Publikacje naukowe w latach 2020-2025

Lp.	Opis bibliograficzny	Punkty
2025		
Artykuły z czasopism		
1	Ashton Rachel, **Rizwan Mohammad,** Gwenin Christopher: Development of low-cost impedimetric biosensors for the quantitative detection of cortisol and the human growth hormone, Sensors and Actuators Reports, Elsevier, vol. 9, nr 100325 , 2025, s. 1-12, DOI:10.1016/j.snr.2025.100325	20
2	Barbir Jelena, Leal Filho Walter, Komorowski Piotr, **Grobelny Jarosław,** Khandelwal Kamal, Olsen Stig Irving, Foschi Eleonora, Gozalbes Rafael, Stromberg Emma, Saborowski Reinhard: Innovative strategies for identifying and grouping chemicals, nanomaterials and materials to improve their safety of use, Journal of Environmental Chemical Engineering, Elsevier BV, vol. 13, nr 3, 2025, Numer artykułu: 117049, s. 1-10, DOI:10.1016/j.jece.2025.117049, łączna liczba autorów: *12*	100
3	**Bartos Paulina,** Pomikło Dominika, Sorenson Kadin B., Hietsoi Oleksandr, Friedli Andrienne C., Kaszyński Piotr: Two Blatter Radicals Face-to-Face: A Constrained Diradical Architecture, Journal of the American Chemical Society, American Chemical Society, vol. 147, nr 1, 2025, s. 125-129, DOI:10.1021/jacs.4c16500	200
4	Basma Ibrahim, Abaalkhail Sara J., Abul-Futouh Hassan, Liebing Phil, **Matczak Piotr, Mlostoń Grzegorz,** Weigand Wolfgang: Tropothione as a remarkable 8π electron substrate in complexation reaction with Fe3(CO)12: Experimental and computational studies, Inorganic Chemistry Communications, vol. 174, 2025, Numer artykułu: 114025, s. 1-9, DOI:10.1016/j.inoche.2025.114025	40
5	**Ben Anna, Dominikowska Justyna,** Fiser Béla, **Chęcińska Lilianna:** Chain Motifs of Acid Molecules Formed by Symmetric O···H···O and Asymmetric O–H···O Hydrogen Bonds for Salts of Miconazole with Isomeric Pyridinedicarboxylic Acids, Crystal Growth & Design, American Chemical Society, vol. 25, nr 12, 2025, s. 4348-4359, DOI:10.1021/acs.cgd.5c00239	100
6	**Ben Anna, Chęcińska Lilianna:** Crystal structure of luliconazole, Acta Crystallographica Section E: Crystallographic Communications, International Union of Crystallography, vol. 81, nr 1, 2025, s. 24-28, DOI:10.1107/s2056989024011812	20
7	Biernat Monika, Pagacz Joanna, Piszko Paweł, **Siwińska Małgorzata,** Zachanowicz Emilia, **Michlewska Sylwia, Urbaniak Mateusz, Rusek-Wala Paulina, Szwed-Georgiou Aleksandra, Rudnicka Karolina:** Impact of Zn-modified hydroxyapatite whiskerson physicochemical and biological properties of poly(ε-Caprolactone) composites intended for implantable medical devices, Journal of Biomedical Materials Research Part B-Applied Biomaterials, Wiley, vol. 113, nr 5, 2025, Numer artykułu: e35586, s. 1-15, DOI:10.1002/jbm.b.35586, łączna liczba autorów: *16*	140
8	Bufarwa Saleh M., El-Sefait Reem M., Thbayh Dalal K., Belaidi Mustapha, Al-Shemary Rehab K., Abdusamea Rema. M., El-Ajaily Marei M., Fiser Béla, Bader Hanan A., Saleh Abdulsalam A.: Antituberculosis, antimicrobial, antioxidant, cytotoxicity and anti-inflammatory activity of Schiff base derived from 2,3-diaminophenazine moiety and its metal(II) complexes: structural elucidation, computational aspects, and biological evaluation, Reviews in Inorganic Chemistry, De Gruyter, vol. 45, nr 1, 2025, s. 105-124, DOI:10.1515/revic-2024-0007, łączna liczba autorów: *11*	70

9	Chrzanowski Jacek, Sancineto Luca, Deska Malgorzata, **Rachwalski Michał,** Drabowicz Józef: Thioureas Derived from (S)-1-(2-pyridyl)ethylamine Enantiomer: Synthesis and Selected Applications as an Organocatalyst, Symmetry, MDPI, vol. 17, nr 2, 2025, Numer artykułu: 216, s. 1-10, DOI:10.3390/sym17020216	70
10	**Cichomski Michał,** Spilarewicz Kaja, **Borkowska Ewelina, Kisielewska Aneta, Stanecka-Badura Renata,** Dudek Mariusz, **Piwoński Ireneusz:** Influence of self-assembled perfluoroalkylsilane monolayers on wettability and tribological properties of graphene derivatives films, Applied Surface Science, Elsevier BV - North-Holland, vol. 704, 2025, Numer artykułu: 163466, s. 1-10, DOI:10.1016/j.apsusc.2025.163466	140
11	**Czapnik Patryk, Stępniak Artur, Buczkowski Adam, Zawisza Anna, Małecka Magdalena:** Inclusion complexes of α-cyclodextrin with p-aminobenzoic acid and nicotinic acid: Crystal structure, DSC and IR spectroscopy analysis in solid state and 1H NMR and ITC calorimetric studies of complexation in solutions, Journal of Molecular Structure, Elsevier BV, vol. 1320, 2025, Numer artykułu: 139671, s. 1-13, DOI:10.1016/j.molstruc.2024.139671	70
12	**Dominikowska Justyna:** Halide Anions as Halogen Bond Acceptors, Crystal Growth & Design, American Chemical Society, vol. 25, nr 11, 2025, s. 3906-3914, DOI:10.1021/acs.cgd.5c00330	100
13	Duro Allan, Goudou Francesca, Carmenate-Rodriguez Chayan, Melchor-Rodriguez Kenia, Minofar Babak, Gaspard Sarra, Jauregui-Haza Ulises: A computational study of adsorption on activated carbons containing basic oxygenated surface groups of two priority organochlorine pesticides from water, Colloids and Surfaces A-Physicochemical and Engineering Aspects, Elsevier B.V., vol. 704, 2025, Numer artykułu: 135449, s. 1-16, DOI:10.1016/j.colsurfa.2024.135449	70
14	Dybowski Konrad, Romaniak Grzegorz, Kula Piotr, Sobczyk-Guzenda Anna, Januszewicz Bartłomiej, Jędrzejczak Anna, Kaczmarek Łukasz, **Burnat Barbara, Krzyczmonik Paweł,** Kaźmierczak Tomasz: Composite carbon electrode with a coating of nanostructured, reduced graphene oxide for water electrodialysis, Journal of Applied Electrochemistry, vol. 55, nr 1, 2025, s. 131-145, DOI:10.1007/s10800-024-02157-1, łączna liczba autorów: *11*	70
15	**Dzemidovich Maryia-Mazhena, Leniart Andrzej, Skrzypek Sławomira,** Sarakhman Olha, Švorc Ľubomír, **Brycht Mariola:** Bismuth(III) oxide particles-decorated spherical glassy carbon paste electrode: A high-performance sensing platform for difenoxuron determination, Electrochimica Acta, Pergamon, vol. 530, 2025, Numer artykułu: 146386, s. 1-9, DOI:10.1016/j.electacta.2025.146386	100
16	Dziewiątkowska Róża, Krzeszczakowska Joanna, **Głodek Marta, Łomzik Michał, Plażuk Damian,** Makal Anna: Pressure-induced phase transitions in a new luminescent gold(i)–arylacetylide, Dalton Transactions, RSC Publications, vol. 54, nr 8, 2025, s. 3362-3374, DOI:10.1039/d4dt03036b	140
17	**Gaweł Marta, Głowacki Rafał, Piechocka Justyna:** First HPLC-UV method for the determination of homocysteine thiolactone in human urine after derivatization with 1-benzyl-2-chloropyridinium bromide, Scientific Reports, Nature Publishing Group, vol. 15, 2025, Numer artykułu: 7310, s. 1-14, DOI:10.1038/s41598-025-92323-y	140
18	Hacking Joanne, Gwenin Vanessa Valerie, Baird Mark Stephen, Rizwan Mohammad, Gwenin Christopher: A novel flow through assay and smartphone application based prototype for point-of-care diagnosis of tuberculosis, Diagnostic Microbiology and Infectious Disease, vol. 112, nr 1, 2025, Numer artykułu: 116766, s. 1-9, DOI:10.1016/j.diagmicrobio.2025.116766	70
19	**Hoelm Marta, Jasiński Marcin Paweł, Palusiak Marcin:** A quantum chemical approach to the physical interpretation of the classical substituent effect in the 2,4-diaryl-4H-1,4-thiazine derivatives, Structural Chemistry, Springer Verlag, vol. 36, nr 2, 2025, s. 701-708, DOI:10.1007/s11224-024-02438-7	70

20	**Hoelm Marta, Wzgarda-Raj Kinga, Kinart Zdzisław,** Kost Bartłomiej, Brzeziński Marek, **Staniec Paulina:** Synthesis, crystal structure elucidation, theoretical characterization and thermochemistry analysis of the potential anticancer drug BFS, Acta Crystallographica Section C-Structural Chemistry, vol. 81, nr 3, 2025, s. 156-164, DOI:10.1107/s2053229625001299	140
21	**Hoelm Marta, Porwański Stanisław, Jóźwiak Paweł, Krześlak Anna:** Theoretical analysis, synthesis and biological activity against normal and cancer cells of a complex formed by a novel sugar cryptand and anticancer drug mitomycin C, Carbohydrate Research, vol. 551, 2025, Numer artykułu: 109425, s. 1-10, DOI:10.1016/j.carres.2025.109425	100
22	Iglesias-Reguant Alex, Barańska Izabela, **Plażuk Damian,** Zaleśny Robert, Luis Josep M., Ośmiałowski Borys: Isoelectronic Push–Pull Fluorescent Difluoroborates: Halogen Bonding and Photophysical Properties, Journal of Organic Chemistry, American Chemical Society, vol. 90, nr 7, 2025, s. 2790-2799, DOI:10.1021/acs.joc.4c03077	140
23	Iwaniak Klaudia, Kaczorowski Witold, **Burnat Barbara,** Grabarczyk Jacek: Impact of the Applied Electrode System on Properties of Electrodeposited Calcium Phosphate Coatings, Materials, MDPI, vol. 18, nr 3, 2025, Numer artykułu: 539, s. 1-20, DOI:10.3390/ma18030539	140
24	**Jarzyński Szymon, Doroszko Cyprian, Jamroz Daria,** Stefanowska-Kątna Kinga, Walkowiak Jędrzej, Wojtulewski Sławomir, **Zakrzewski Janusz, Rudolf Bogna:** Complete ligand substitution and oxidation of the metal center in the photochemical reaction of CpM(CO)2I (M = Fe, Ru) with chelating β-diketones, Dalton Transactions, RSC Publications, vol. 54, nr 14, 2025, s. 5935-5943, DOI:10.1039/d5dt00294j	140
25	Kalydi Eszter, Sebák Fanni, Fiser Béla, Minofar Babak, Moussong Éva, Malanga Milo, Bodor Andrea, Kardos József, Béni Szabolcs: Exceptional stability of the sugammadex-solasodine complex: Insights from experimental and theoretical studies, Carbohydrate Polymers, vol. 348, nr Part A, 2025, Numer artykułu: 122819, s. 1-13, DOI:10.1016/j.carbpol.2024.122819	140
26	**Kinart Zdzisław, Hoelm Marta, Imińska Martyna:** Evaluating Theoretical Solvent Models for Thermodynamic and Structural Descriptions of Dacarbazine–Cyclodextrin Complexes. The Theoretical and Conductometric Study, Molecules, MDPI, vol. 30, nr 11, 2025, Numer artykułu: 2309, s. 1-23, DOI:10.3390/molecules30112309	140
27	Kopec Monika, Krzeminska Agnieszka, Surmacki Jakub, **Krzyczmonik Paweł,** Brożek-Płuska Beata: The effect of enantiomers of thalidomide on colon cells-Raman spectroscopy studies, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Elsevier BV, vol. 341, nr 126423, 2025, s. 1-14, DOI:10.1016/j.saa.2025.126423	140
28	**Koszelska Kamila, Wypych Monika, Kciuk Mateusz, Guziejewski Dariusz,** Metelka Radovan, **Smarzewska Sylwia:** Interaction of a Third-Generation Tyrosine Kinase Inhibitor with dsDNA: Electrochemical and Spectroscopic Studies, Electroanalysis, Wiley - V C H Verlag GmbH & Co. KGaA, vol. 37, nr 2, 2025, Numer artykułu: e12030, s. 1-8, DOI:10.1002/elan.12030	70
29	**Krawczyk Barbara, Kaźmierczak Andrzej, Czarny-Krzymińska Karolina, Szczukocki Dominik:** Contamination of water with drugs - the response of phytoplankton, Aquatic Toxicology, Elsevier, vol. 286, 2025, Numer artykułu: 107434, s. 1-13, DOI:10.1016/j.aquatox.2025.107434	140
30	**Krempiński Andrzej, Rudnicki Konrad, Korzonek Weronika, Półtorak Łukasz:** 3D-printed gelled electrolytes for electroanalytical applications, Scientific Reports, Nature Publishing Group, vol. 15, nr 1, 2025, Numer artykułu: 6917 , s. 1-13, DOI:10.1038/s41598-025-90790-x	140
31	Kułaga Damian, Drabczyk Anna K., Zaręba Przemysław, Jaśkowska Jolanta, Satała Grzegorz, Zaręba Paula, Więckowska Anna, de Candia Modesto, Purgatorio Rosa, **Plażuk Damian:** Discovery of new dual butyrylcholinesterase (BuChE) inhibitors and 5-HT7 receptor antagonists as compounds used to treat Alzheimer's disease symptoms, Biomedicine & Pharmacotherapy, Elsevier, vol. 186, 2025, Numer artykułu: 117995, s. 1-26, DOI:10.1016/j.biopha.2025.117995, łączna liczba autorów: *13*	100

32	**Kwaczyński Karolina, Szymaniec Olga Ludmiła,** Bobrowska Diana M., **Półtorak Łukasz:** Exploring the potential of 3D-printed solvent activated electrodes for salicylic acid analysis, Analyst, RSC Publications, vol. 150, nr 12, 2025, s. 2600-2611, DOI:10.1039/d5an00195a	100
33	La Manna Sara, Panzetta Valeria, Graziano Sossio Fabio, Cipollone Irene, Tolbatov Iogann, Marrone Alessandro, Monti Maria, Netti Paolo Antonio, Merlino Antonello, **Kowalski Konrad:** Heterobimetallic ferrocenyl-chromone compounds as selective inhibitors of amyloid aggregation, Journal of Inorganic Biochemistry, Elsevier, vol. 270, 2025, Numer artykułu: 112932, s. 1-8, DOI:10.1016/j.jinorgbio.2025.112932, łączna liczba autorów: *11*	100
34	**Laroui Abdelatif, Kwaczyński Karolina, Dąbrzalska Monika,** Glazer Piotr, **Półtorak Łukasz:** Magnetic particles (Fe3O4) magnify ion transfer processes at the electrified liquid-liquid interface. Case study: Levamisole detection, Talanta, Elsevier BV, vol. 286, 2025, Numer artykułu: 127439, s. 1-10, DOI:10.1016/j.talanta.2024.127439	100
35	**Matczak Piotr,** Buday Philipp, Kupfer Stephan, Görls Helmar, **Mlostoń Grzegorz,** Weigand Wolfgang: Probing the performance of DFT in the structural characterization of [FeFe] hydrogenase models, Journal of Computational Chemistry, Wiley Periodicals, Inc., A Wiley Company, vol. 46, nr 1, 2025, Numer artykułu: e27515, s. 1-11, DOI:10.1002/jcc.27515	100
36	**Matczak Piotr:** Quantum Chemical Topological Analysis of [2Fe2S] Core in Novel [FeFe]-Hydrogenase Mimics, Crystals, MDPI AG, vol. 15, nr 1, 2025, Numer artykułu: 52, s. 1-19, DOI:10.3390/cryst15010052	70
37	**Miękoś Ewa, Zieliński Marek, Cichomski Michał,** Klepka Tomasz, Czarnecka-Komorowska Dorota, **Drzewiecka Dominika, Sroczyński Dariusz, Fenyk Anna:** Research on Two-Layer Polymer Composites Alternatively Obtained in a Constant Magnetic Field, Materials, MDPI, vol. 18, nr 2, 2025, Numer artykułu: 255, s. 1-18, DOI:10.3390/ma18020255	140
38	Minofar Babak, Milčić Nevena, Maroušek Josef, Gavurová Beata, Maroušková Anna: Understanding the molecular mechanisms of interactions between biochar and denitrifiers in N_2O emissions reduction: Pathway to more economical and sustainable fertilizers, Soil & Tillage Research, Elsevier BV, vol. 248, 2025, Numer artykułu: 106405, s. 1-6, DOI:10.1016/j.still.2024.106405	140
39	**Mlostoń Grzegorz, Kowalczyk Mateusz, Celeda Małgorzata,** Oliver Gwyndaf A., Werz Daniel B.: Ring-Opening Reactions of Donor–Acceptor Cyclopropanes with Some Enolizable Azaheterocyclic Thiones: S- versus N-Attack, Synlett, vol. 36, nr 11, 2025, s. 1548-1552, DOI:10.1055/s-0043-1773524	70
40	Mrvoš-Sermek Draginja, Tašner Marina, Vušak Darko, Judaš Nenad, Wzgarda-Raj Kinga, Đilović Ivica, Matković-Čalogović Dubravka: Robustness and stability of the L-carnosine copper(II) dimer: changes in the copper coordination sphere upon heating/solvent substitution, CrystEngComm, vol. 27, nr 3, 2025, s. 356-365, DOI:10.1039/d4ce01070a	100
41	Murugan Arumugam Senthil, **Thangaraj Shunmuga Thain Balamurugan,** Annaraj Jamespandi, Kathiresan Sellamuthu: Instant detection of environment pollutants (Hg2+/Cu2+) in water and food samples using pyrene-based chemosensor, and its bio imaging applications, Journal of Molecular Liquids, Elsevier BV, vol. 419, 2025, Numer artykułu: 126785, s. 1-12, DOI:10.1016/j.molliq.2024.126785	100
42	**Muthaiah Annalakshmi, Thangaraj Shunmuga Thain Balamurugan, Czarny-Krzymińska Karolina, Marciniak Karolina, Półtorak Łukasz:** Straightforward electroanalytical sensing of nitrate in cyanobacteria growth media at electrified liquid-liquid interface, Sensors and Actuators B - Chemical, Elsevier S.A., vol. 423, 2025, Numer artykułu: 136863, s. 1-11, DOI:10.1016/j.snb.2024.136863	200
43	Nabeel Mohammed, Addie Ali J., Viskolcz Béla, Kollar Mariann, Fiser Béla, Vanyorek László: Integrating polyurethane-silicone rubber-nanohybrid systems for improved wearable pressure sensing, Polymer Composites, vol. 46, nr 1, 2025, s. 169-182, DOI:10.1002/pc.28976	70

44	Niska Karolina, Muszyńska Beata, Kowalski Szymon, **Tomaszewska Emilia,** Narajczyk Magdalena, Pawłowska Monika, Majewski Paweł W., Augustin Ewa, Inkielewicz-Stepniak Iwona: Cytotoxicity of ZnO nanoparticles in human melanocyte cells in the presence or absence of UV radiation: A preliminary comparative study with TiO2 nanoparticles, Toxicology in Vitro, Elsevier, vol. 106, 2025, Numer artykułu: 106051, s. 1-13, DOI:10.1016/j.tiv.2025.106051	100
45	Pięta Łukasz, **Kisielewska Aneta,** Warzybok Adrian, **Piwoński Ireneusz,** Malek Kamilla: Long-lived photoexcitation probed by photo-induced enhanced Raman spectroscopy: unveiling charge dynamics in Ag–TiO2 nano-heterojunctions, Scientific Reports, Nature Publishing Group, vol. 15, nr 1, 2025, Numer artykułu: 5587, s. 1-12, DOI:10.1038/s41598-025-89110-0	140
46	**Piotrowicz Michał, Masłowska Natasza Anna,** Dziewiątkowska Róża, Makal Anna, **Rudolf Bogna:** Synthesis of Trifluoroacetamidoketones by Acylation of Ferrocene with In Situ Protected Amino Acids, Journal of Organic Chemistry, vol. 90, nr 8, 2025, s. 2958-2968, DOI:10.1021/acs.joc.4c02717	140
47	**Rachwalski Michał, Wojtaszek Julia, Szymańska Julia, Pieczonka Adam:** Highly Effective Asymmetric Henry Reaction Catalyzed by Chiral Complex of Cu (II)-Aziridine-Functionalized Organophosphorus Compounds, Catalysts, MDPI, vol. 15, nr 2, 2025, Numer artykułu: 179, s. 1-8, DOI:10.3390/catal15020179	100
48	Radwanski Mateusz, **Piwoński Ireneusz, Szmechtyk Tomasz,** Sauro Salvatore, Lukomska-Szymanska Monika: Microstructural and Elemental Characterization of Calcium Silicate-Based Sealers, Nanomaterials, MDPI, vol. 15, nr 10, 2025, Numer artykułu: 756, s. 1-19, DOI:10.3390/nano15100756	100
49	**Rudnicki Konrad, Powałka Emilia, Marciniak Karolina, Rizwan Mohammad,** Stelmaszczyk Paweł, Wietecha-Posłuszny Renata, **Półtorak Łukasz:** Determination of hordenine in beer samples and bodybuilding supplement at the electrified liquid-liquid interface, Food Chemistry, Elsevier, vol. 478, 2025, Numer artykułu: 143734, s. 1-9, DOI:10.1016/j.foodchem.2025.143734	200
50	**Rudnicki Konrad, Powałka Emilia, Marciniak Karolina, Półtorak Łukasz:** Ready-to-use polymeric films used as the electrified liquid-liquid interface supports, Talanta, Elsevier BV, vol. 285, 2025, Numer artykułu: 127256, s. 1-7, DOI:10.1016/j.talanta.2024.127256	100
51	Rzewnicka Aneta, Mikina Maciej, Krysiak Jerzy, Makowski Tomasz, Svyntkivska Mariia, Dolot Rafał, **Plażuk Damian,** Bujacz Grzegorz, Żurawiński Remigiusz: Exploring Benzothieno[3,2-b]benzothiophene S-Oxides for Organic Electronics, Fluorescence-Based Applications, and Asymmetric Synthesis, Chemistry-A European Journal, Wiley - V C H Verlag GmbH & Co. KGaA, vol. 31, nr 11, 2025, Numer artykułu: e202403912, s. 1-8, DOI:10.1002/chem.202403912	140
52	Slašťanová Soňa, Kováčiková Gabriela, Haššo Marek, **Brycht Mariola, Dzemidovich Maryia-Mazhena, Leniart Andrzej, Skrzypek Sławomira,** Sarakhman Olha, Švorc Ľubomír: A novel and innovative analytical protocol for thiamine determination in dietary supplements based on batch injection analysis coupled with amperometric detection, Journal of Food Composition and Analysis, vol. 145, 2025, Numer artykułu: 107759, s. 1-10, DOI:10.1016/j.jfca.2025.107759	100
53	**Stanek Wiktor,** Hładki Tadeusz, Kowalczyk Joanna, Madej Monika, **Stanecka-Badura Renata, Kisielewska Aneta, Piwoński Ireneusz, Cichomski Michał:** Impact of tungsten sulfide nanostructures added to metalworking fluids on tribological properties of steel surface layer, Tribologia, Oficyna Wydawnicza S I M P Press Ltd., vol. 311, nr 1, 2025, s. 47-58, DOI:10.5604/01.3001.0055.0793	70

54	Steel Tasha R., Stjärnhage Julia, Lin Zexiong, Bloomfield Hugh O., Herbert Caitlin D., Astin Jonathan W., **Rychlik Błażej, Plażuk Damian,** Jamieson Stephen M. F., **Krawczyk Krzysztof:** Biotin functionalization of 8-hydroxyquinoline anticancer organometallics: low *in vivo* toxicity but potent *in vitro* activity, Dalton Transactions, RSC Publications, vol. 54, nr 4, 2025, s. 1583-1596, DOI:10.1039/d4dt02296c, łączna liczba autorów: *11*	140
55	**Szmechtyk Tomasz:** Scots Pine Bark Extracts as Co-Hardeners of Epoxy Resins, Molecules, MDPI, vol. 30, nr 1, 2025, Numer artykułu: 65, s. 1-17, DOI:10.3390/molecules30010065	140
56	**Świątek Kamil, Utecht-Jarzyńska Greta, Jasiński Marcin Paweł:** Exercise in 1-aryl-3-CF3-1H-pyrazoles: regioselective synthesis of 4-/5-iodides and cross-coupling reactions, RSC Advances, Royal Society of Chemistry, vol. 15, nr 12, 2025, s. 9225-9229, DOI:10.1039/d5ra01103e	100
57	**Świderski Michał, Koszelska Kamila, Guziejewski Dariusz, Borowczyk Kamila, Chwatko Grażyna, Ślot Maciej, Kowalczyk Paweł, Smarzewska Sylwia:** A voltammetric approach for the quantification of thymoquinone in Nigella Sativa products, Scientific Reports, Nature Publishing Group, vol. 15, nr 1, 2025, Numer artykułu: 18920, s. 1-11, DOI:10.1038/s41598-025-03347-3	140
58	**Świętczak Eliza, Rachwalski Michał, Pieczonka Adam Marek:** Eco-friendly methods for the synthesis of N-acyl pyrazole derivatives with luminescent properties, RSC Advances, Royal Society of Chemistry, vol. 15, nr 16, 2025, s. 12698-12703, DOI:10.1039/d4ra08527b	100
59	**Tomaszewska Emilia, Bednarczyk Katarzyna,** Janicka Martyna, Chodkowski Marcin, Krzyzowska Malgorzata, **Celichowski Grzegorz, Grobelny Jarosław, Ranoszek-Soliwoda Katarzyna:** The Influence of the AgNPs Ligand on the Antiviral Activity Against HSV-2, International journal of nanomedicine, Dove Medical Press, vol. 20, 2025, s. 2659-2671, DOI:10.2147/ijn.s496050	140
60	**Tomczyk Danuta, Skrzypek Sławomira, Seliger Piotr:** Influence of the Type of Macrocycle on the Stabilisation of the High Oxidation State of the Manganese Ion and Electrode Processes, Molecules, MDPI, vol. 30, nr 8, 2025, Numer artykułu: 1860, s. 1-21, DOI:10.3390/molecules30081860	140
61	Undas Anetta, Perła-Kaján Joanna, **Głowacki Rafał:** Homocysteine in adult patients with cardiovascular disease: is it clinically relevant in 2025? A tribute to Hieronim Jakubowski (1946-2025), Polskie Archiwum Medycyny Wewnętrznej, vol. 135, nr 5, 2025, Numer artykułu: 17012, s. 1-8, DOI:10.20452/pamw.17012	200
62	**Urbaniak Mateusz, Tszydel Mariusz,** Szustakiewicz Konrad, **Szwed-Georgiou Aleksandra,** Kryszak Bartłomiej, **Włodarczyk Marcin, Michlewska Sylwia, Jóźwiak Piotr,** Ivankovic Tomislav, **Rudnicka Karolina:** Caddisfly Silk-Polycaprolactone Foams: Physicochemical and Biological Properties of Nature-Inspired Biomaterials, Journal of Functional Biomaterials, MDPI, vol. 16, nr 6, 2025, Numer artykułu: 199, s. 1-19, DOI:10.3390/jfb16060199, łączna liczba autorów: *11*	100
63	**Utecht-Jarzyńska Greta, Jarzyński Szymon, Jasiński Marcin:** Trapping in situ generated CF3-nitrile imines with maleimides under solvent-free mechanochemical conditions, RSC Mechanochemistry, Royal Society of Chemistry, vol. 2, nr 1, 2025, s. 79-82, DOI:10.1039/D4MR00075G	5
64	**Wzgarda-Raj Kinga, Rybarczyk-Pirek Agnieszka, Palusiak Marcin:** The N–H···S hydrogen bonding pattern in trithiocyanuric acid in crystalline state: geometric, topological, and energetic analysis of trithiocyanuric acid cocrystals, CrystEngComm, Royal Society of Chemistry, vol. 27, nr 6, 2025, s. 784-794, DOI:10.1039/d4ce01153h	100

65	Zizzi E.A., Sztandera Krzysztof, Gorzkiewicz Michał, **Buczkowski Adam,** Apartsin E., Deriu M.A., **Klajnert-Maculewicz Barbara:** Molecular interactions driving the complexation of rose bengal by triazine-carbosilane dendrons, Nanoscale, vol. 17, nr 3, 2025, s. 1433-1448, DOI:10.1039/d4nr02335h	140
2024		
Książki redagowane		
1	**Rizwan Mohammad,** Ahmed Minhaz Uddin, Xu Guobao (red.): Low-cost Diagnostics: Fabrication, Materials, and Applications, RSC Detection Science, vol. 26, 2024, Royal Society of Chemistry, ISBN 978-1-83767-238-7, [978-1-83767-321-6, 978-1-83767-322-3], 415 s. DOI:10.1039/9781837673216	20
Rozdziały z monografii		
1	**Koszelska Kamila, Wypych Monika, Ciesielski Witold, Smarzewska Sylwia:** Woltamperometria jako narzędzie do analizy złożonych próbek rzeczywistych, W: Zagadnienia aktualnie poruszane przez młodych naukowców 23 / Piech Krzysztof (red.), 2024, Creativetime, ISBN 978-83-66772-37-3, s. 176-179	5
2	**Rizwan Mohammad, Rudnicki Konrad,** Gwenin Christopher, **Półtorak Łukasz:** 3D-printed Low-cost Electroanalytical Diagnostic Platforms: Basics, Materials, Fabrication, and Applications, W: Low-cost Diagnostics: Fabrication, Materials, and Applications / Rizwan Mohammad, Ahmed Minhaz Uddin, Xu Guobao (red.), RSC Detection Science, vol. 26, 2024, Royal Society of Chemistry, ISBN 978-1-83767-238-7, s. 233-261, DOI:10.1039/9781837673216-00233	20
3	**Świderski Michał, Smarzewska Sylwia, Guziejewski Dariusz, Skrzypek Sławomira, Koszelska Kamila:** Wpływ zastosowanej aparatury na parametry statystyczne opracowanych procedur analitycznych, W: Zagadnienia aktualnie poruszane przez młodych naukowców 23 / Piech Krzysztof (red.), 2024, Creativetime, ISBN 978-83-66772-37-3, s. 169-175	5
Artykuły z czasopism		
1	Adamus-Grabicka Angelika A., **Hikisz Paweł, Stępniak Artur, Małecka Magdalena,** Paneth Piotr, Sikora Joanna, Budzisz Elzbieta: Molecular Pro-Apoptotic Activities of Flavanone Derivatives in Cyclodextrin Complexes: New Implications for Anticancer Therapy, International Journal of Molecular Sciences, MDPI, vol. 25, nr 15, 2024, Numer artykułu: 8488, s. 1-36, DOI:10.3390/ijms25158488	140
2	Bartolomé Luis, Anagnostopoulos Argyrios, Lowe Alexander R., Ślęczkowski Piotr, Amayuelas Eder, Le Donne Andrea, **Wasiak Michał,** Chorążewski Mirosław, Meloni Simone, Grosu Yaroslav: Tuning Wetting–Dewetting Thermomechanical Energy for Hydrophobic Nanopores via Preferential Intrusion, Journal of Physical Chemistry Letters, vol. 15, nr 4, 2024, s. 880-887, DOI:10.1021/acs.jpclett.3c03330	200
3	**Barton Bartłomiej, Ullah Nabi, Koszelska Kamila, Smarzewska Sylwia, Ciesielski Witold, Guziejewski Dariusz:** Reviewing neonicotinoid detection with electroanalytical methods, Environmental Science and Pollution Research, vol. 31, nr 26, 2024, s. 37923-37942, DOI:10.1007/s11356-024-33676-1	100
4	Belenkov Roman N., Melent'ev Vyachelav V., Sychev Alexander V., Ryshkova Olga S., **Wasiak Michał,** Chorążewski Mirosław, Postnikov Eugene B.: Acoustic and volumetric properties of triflate-based ionic liquids at high pressures, Fluid Phase Equilibria, Elsevier BV, vol. 586, 2024, Numer artykułu: 114179, s. 1-11, DOI:10.1016/j.fluid.2024.114179	100
5	**Ben Anna, Hoelm Marta, Chęcińska Lilianna:** Supramolecular architectures in multicomponent crystals of imidazole-based drugs and trithiocyanuric acid, Acta Crystallographica	140

	Section B-Structural Science Crystal Engineering and Materials, vol. 80, nr 4, 2024, s. 294-304, DOI:10.1107/s2052520624005055	
6	Benkő Beáta-Mária, Tóth Gergő, Moldvai Dorottya, Kádár Szabina, Szabó Edina, Szabó Zoltán-István, Kraszni Márta, Szente Lajos, Fiser Béla, Sebestyén Anna: Cyclodextrin encapsulation enabling the anticancer repositioning of disulfiram: Preparation, analytical and in vitro biological characterization of the inclusion complexes, International Journal of Pharmaceutics, vol. 657, 2024, Numer artykułu: 124187, s. 1-14, DOI:10.1016/j.ijpharm.2024.124187, łączna liczba autorów: *12*	100
7	**Biegański Przemysław,** Gazecka Monika, Nowak Rafał, Gorski Aleksander, Dutkiewicz Natalia, Kawano Daniel Fábio, Zmora Paweł, **Kowalski Konrad:** Organometallic–Erlotinib Conjugates Active against Lung Cancer Cells and as Emerging Virus Entry Inhibitors, Organometallics, American Chemical Society, vol. 43, nr 20, 2024, s. 2505-2519, DOI:10.1021/acs.organomet.4c00145	100
8	Bodzioch Agnieszka, **Obijalska Emilia,** Jakubowski Rafał, **Celeda Małgorzata,** Gardias Anita, Trzybiński Damian, **Tokarz Paweł,** Szczytko Jacek, Woźniak Krzysztof, Kaszyński Piotr: Electronic and Magnetic Interactions in 6-Oxoverdazyl Diradicals: Connection through N(1) vs C(3) Revisited, Journal of Organic Chemistry, vol. 89, nr 9, 2024, s. 6306-6321, DOI:10.1021/acs.joc.4c00303	140
9	**Borgul Paulina, Sobczak Karolina, Rizwan Mohammad, Kowalski Grzegorz,** Poltorak Michal, Banatkiewicz Pawel, Walecka Irena, **Rudnicki Konrad, Skrzypek Sławomira, Półtorak Łukasz:** Electrochemical detection of cocaine metabolites (benzoylecgonine and ecgonine) at the miniaturized electrified liquid-liquid interface, Sensors and Actuators B - Chemical, Elsevier S.A., vol. 414, 2024, Numer artykułu: 135895, s. 1-9, DOI:10.1016/j.snb.2024.135895	200
10	**Borowczyk Kamila, Domagała Karolina, Chwatko Grażyna:** A new chromatographic method for the determination of cysteine, glutathione, homocysteine and Nε-homocysteinyllysine isopeptide in human plasma, Scientific Reports, Nature Publishing Group, vol. 14, nr 1, 2024, Numer artykułu: 28713, s. 1-13, DOI:10.1038/s41598-024-79567-w	140
11	**Brycht Mariola, Burnat Barbara, Skrzypek Sławomira:** Advanced Electrode Materials Dedicated for Electroanalysis, Materials, MDPI, vol. 17, nr 15, 2024, Numer artykułu: 3762, s. 1-6, DOI:10.3390/ma17153762	—
12	**Brycht Mariola, Półtorak Łukasz,** Baluchová Simona, **Sipa Karolina, Borgul Paulina, Rudnicki Konrad, Skrzypek Sławomira:** Electrochemistry as a Powerful Tool for Investigations of Antineoplastic Agents: A Comprehensive Review, Critical Reviews in Analytical Chemistry, Taylor & Francis Inc., vol. 54, nr 5, 2024, s. 1017-1108, DOI:10.1080/10408347.2022.2106117	100
13	**Brycht Mariola, Leniart Andrzej, Skrzypek Sławomira, Burnat Barbara:** Incorporation of Bismuth(III) Oxide Nanoparticles into Carbon Ceramic Composite: Electrode Material with Improved Electroanalytical Performance in 4-Chloro-3-Methylphenol Determination, Materials, MDPI, vol. 17, nr 3, 2024, Numer artykułu: 665, s. 1-15, DOI:10.3390/ma17030665	140
14	Budzyńska Sylwia, **Rudnicki Konrad,** Budka Anna, Niedzielski Przemysław, Mleczek Mirosław: Dendroremediation of soil contaminated by mining sludge: A three-year study on the potential of Tilia cordata and Quercus robur in remediation of multi-element pollution, Science of the Total Environment, vol. 944, 2024, Numer artykułu: 173941, s. 1-15, DOI:10.1016/j.scitotenv.2024.173941	200
15	Chorążewski Mirosław, **Wasiak Michał,** Sychev Alexander V., Korotkovskii Vadim I., Postnikov Eugene B.: The Curious Case of 1-Ethylpyridinium Triflate: Ionic Liquid Exhibiting the Mpemba Effect, Journal of Solution Chemistry, vol. 53, nr 1, 2024, s. 80-90, DOI:10.1007/s10953-023-01268-1	40

16	**Cichomski Michał, Wrońska Natalia,** Dudek Mariusz, Jędrzejczak Anna, **Lisowska Katarzyna:** Tribological and Antimicrobial Properties of Two-Component Self-Assembled Monolayers Deposited on Ti-Incorporated Carbon Coatings, Materials, MDPI, vol. 17, nr 2, 2024, Numer artykułu: 422, s. 1-17, DOI:10.3390/ma17020422	140
17	**Czarny-Krzymińska Karolina, Krawczyk Barbara, Szczukocki Dominik:** Toxic effects of bisphenol analogues and their mixture on two freshwater algae Chlorella vulgaris and Desmodesmus armatus, Journal of Applied Phycology, vol. 36, nr 5, 2024, s. 2559-2571, DOI:10.1007/s10811-024-03289-9	70
18	Das Sangita, Sen Bibaswan, Sarkar Sudeshna, Das Indrajit, Sepay Nayim, Paul Sayantani, Mandal Supratim, Roy Adhiraj, **Małecka Magdalena,** Abbas Sk Jahir: Design, Synthesis, and Characterization of Polyoxotungstate-Decorated Ionic Liquid–Based Hybrid Material, [BmIm]4[SiW12O40] toward Rapid Adsorption of Dye and Antibacterial Activities, Inorganic Chemistry, American Chemical Society, vol. 63, nr 39, 2024, s. 18448-18467, DOI:10.1021/acs.inorgchem.4c01765, łączna liczba autorów: *13*	140
19	**Das Sujoy, Strachanowska Marcelina, Wadowski Piotr, Juszczak Michał, Tokarz Paulina, Kosińska Aneta, Palusiak Marcin, Rybarczyk-Pirek Agnieszka J., Wzgarda-Raj Kinga, Woźniak Katarzyna:** Synthesis, anticancer activity, and molecular docking of half-sandwich iron(II) cyclopentadienyl complexes with maleimide and phosphine or phosphite ligands, Scientific Reports, Nature Publishing Group, vol. 14, 2024, Numer artykułu: 5634, s. 1-16, DOI:10.1038/s41598-024-56339-0, łączna liczba autorów: *13*	140
20	Dobó Máté, Dombi Gergely, Köteles István, Fiser Béla, Kis Csenge, Szabó Zoltán-István, Tóth Gergő: Simultaneous Determination of Enantiomeric Purity and Organic Impurities of Dexketoprofen Using Reversed-Phase Liquid Chromatography - Enhancing Enantioselectivity through Hysteretic Behavior and Temperature-Dependent Enantiomer Elution Order Reversal on Polysaccharide Chiral Stationary Phases, International Journal of Molecular Sciences, MDPI, vol. 25, nr 5, 2024, Numer artykułu: 2697, s. 1-15, DOI:10.3390/ijms25052697	140
21	Dombi Gergely, Tyukodi Levente, Dobó Máté, Molnár Gergely, Rozmer Zsuzsanna, Szabó Zoltán-István, Fiser Béla, Tóth Gergő: Enantioselective Binding of Proton Pump Inhibitors to Alpha1-Acid Glycoprotein and Human Serum Albumin—A Chromatographic, Spectroscopic, and In Silico Study, International Journal of Molecular Sciences, MDPI, vol. 25, nr 19, 2024, Numer artykułu: 10575, s. 1-20, DOI:10.3390/ijms251910575	140
22	Dresler Ewa, **Wróblewska Aneta,** Jasiński Radomir: Energetic Aspects and Molecular Mechanism of 3-Nitro-substituted 2-Isoxazolines Formation via Nitrile N-Oxide [3+2] Cycloaddition: An MEDT Computational Study, Molecules, MDPI, vol. 29, nr 13, 2024, Numer artykułu: 3042, s. 1-15, DOI:10.3390/molecules29133042	140
23	Erşan Teslime, Dilgin Didem Giray, Oral Ayhan, **Skrzypek Sławomira, Brycht Mariola,** Dilgin Yusuf: Highly sensitive voltammetric determination of the fungicide fenhexamid using a cost-effective and disposable pencil graphite electrode, Microchimica Acta, Springer Wien, vol. 191, nr 12, 2024, Numer artykułu: 773, s. 1-13, DOI:10.1007/s00604-024-06804-4	140
24	Fabijańska Małgorzata, **Rybarczyk-Pirek Agnieszka, Dominikowska Justyna,** Stryjska Karolina, Żyro Dominik, Markowicz-Piasecka Magdalena, Szynkowska-Jóźwik Małgorzata Iwona, Ochocki Justyn, Sikora Joanna: Silver Complexes of Miconazole and Metronidazole: Potential Candidates for Melanoma Treatment, International Journal of Molecular Sciences, MDPI, vol. 25, nr 10, 2024, Numer artykułu: 5081, s. 1-21, DOI:10.3390/ijms25105081	140
25	Gao Pengcheng, Zhu Yawei, Zhou Tongliang, **Utecht-Jarzyńska Greta,** Szostak Roman, Szostak Michal: Pd-Catalyzed Decarbonylative Suzuki–Miyaura Cross-Coupling of Pyramidalized N-Mesyl Amides by a Tandem N–C(O)/C–C Bond Activation, Journal of Organic Chemistry, vol. 89, nr 23, 2024, s. 17463-17474, DOI:10.1021/acs.joc.4c02152	140

26	**Gaweł Marta, Głowacki Rafał, Kubalczyk Paweł, Piechocka Justyna:** HPLC-MS/MS based method for the determination of 2-(3-hydroxy-5-phosphonooxymethyl-2-methyl-4-pyridyl)-1,3-thiazolidine-4-carboxylic acid in human plasma, Scientific Reports, Nature Publishing Group, vol. 14, nr 1, 2024, Numer artykułu: 24425, s. 1-11, DOI:10.1038/s41598-024-75760-z	140
27	**Gaweł Marta, Piechocka Justyna, Głowacki Rafał:** Tiazynowe i tiazolydynowe pochodne aminokwasów siarkowych i wybranych endogennych aldehydów, Wiadomości Chemiczne, Polskie Towarzystwo Chemiczne (Warszawa), vol. 78, nr 11-12, 2024, s. 1607-1625	20
28	Glaubitz Franz, Mircheski Valentin, Schröder Uwe: A comparative analysis of square-wave voltammetry and multi-frequency electrochemical Faradaic spectroscopy for kinetic characterisation, Journal of Solid State Electrochemistry, Springer, vol. 28, nr 9, 2024, s. 3491-3500, DOI:10.1007/s10008-024-05921-7	70
29	**Grodzicka Marika, Michlewska Sylwia, Buczkowski Adam,** Sękowski Szymon, Peña-González Cornelia E., Ortega Paula, de la Mata Francisco Javier, Błasiak Janusz, **Bryszewska Maria,** Ionov Maksim: A new class of polyphenolic carbosilane dendrimers binds human serum albumin in a structure-dependent fashion, Scientific Reports, Nature Publishing Group, vol. 14, 2024, Numer artykułu: 5946, s. 1-9, DOI:10.1038/s41598-024-56509-0	140
30	**Grodzicka Marika, Michlewska Sylwia, Buczkowski Adam,** Ortega Paula, de la Mata Francisco Javier, **Bryszewska Maria,** Ionov Maksim: Effect of polyphenolic dendrimers on biological and artificial lipid membranes, Chemistry and Physics of Lipids, vol. 265, 2024, Numer artykułu: 105444, s. 1-9, DOI:10.1016/j.chemphyslip.2024.105444	100
31	Gulaboski Rubin, Mircheski Valentin: Calculating of square-wave voltammograms - a practical on-line simulation platform, Journal of Solid State Electrochemistry, Springer, vol. 28, nr 3-4, 2024, s. 1121-1130, DOI:10.1007/s10008-023-05520-y	70
32	Hadjadj Rachid, Csizmadia Imre G., Waleed Hadeer Q., Thbayh Dalal K., Viskolcz Béla, Fiser Béla: Monoethanolamine assisted CO2 hydrogenation to methanol - A computational study, Molecular Catalysis, Elsevier, vol. 559, 2024, Numer artykułu: 114091, s. 1-8, DOI:10.1016/j.mcat.2024.114091	70
33	Hajdu Viktória, Sikora Emőke, Muránszky Gábor, Kristály Ferenc, Kaleta Zoltán, Nagy Miklós, Viskolcz Béla, Fiser Béla, Vanyorek László: Nickel ferrite decorated noble metal containing nitrogen-doped carbon nanotubes as potential magnetic separable catalyst for dinitrotoluene hydrogenation, Scientific Reports, Nature Publishing Group, vol. 14, nr 1, 2024, Numer artykułu: 15156, s. 1-12, DOI:10.1038/s41598-024-66066-1	140
34	Hatvani-Nagy Alpár F., Hajdu Viktória, Ilosvai Ágnes Mária, Muránszky Gábor, Sikora Emőke, Kristály Ferenc, Daróczi Lajos, Viskolcz Béla, Fiser Béla, Vanyorek László: Bentonite as eco-friendly natural mineral support for Pd/CoFe2O4 catalyst applied in toluene diamine synthesis, Scientific Reports, Nature Publishing Group, vol. 14, 2024, Numer artykułu: 4193, s. 1-9, DOI:10.1038/s41598-024-54792-5	140
35	Hirai Yuichi, **Wrona-Piotrowicz Anna, Zakrzewski Janusz, Ciechańska Magdalena,** Ohmura Takahito, Takeda Takashi, Nakanishi Takayuki, Métivier Rémi, Allain Clémence: Mechanofluorochromism and self-recovery of alkylsilylpyrene-1-carboxamides, Journal of Materials Chemistry C, Royal Society of Chemistr, vol. 12, nr 6, 2024, s. 1952-1957, DOI:10.1039/d3tc03968d	140
36	**Hoelm Marta, Porwański Stanisław, Jóźwiak Paweł, Krześlak Anna:** Combined Theoretical and Experimental Investigations: Design, Synthesis, Characterization, and In Vitro Cytotoxic Activity Assessment of a Complex of a Novel Ureacellobiose Drug Carrier with the Anticancer Drug Carmustine, Molecules, MDPI, vol. 29, nr 14, 2024, Numer artykułu: 3359, s. 1-15, DOI:10.3390/molecules29143359	140

37	**Hoelm Marta,** Chowdhury Nilkanta, Biswas Sima, Bagchi Angshuman, **Małecka Magdalena:** Theoretical Investigations on Free Energy of Binding Cilostazol with Different Cyclodextrins as Complex for Selective PDE3 Inhibition, Molecules, MDPI, vol. 29, nr 16, 2024, Numer artykułu: 3824, s. 1-17, DOI:10.3390/molecules29163824	140
38	**Hoque Bosirul,** Bobrowska Diana M., **Poltorak Lukasz:** Advantage of 3D printed casting mold induced microstructure on the extraction and transport of Cd(II) through polymer inclusion membranes, Separation and Purification Technology, Pergamon, vol. 328, 2024, Numer artykułu: 124998, DOI:10.1016/j.seppur.2023.124998	140
39	Hornyák-Mester Enikő, Varga Miklós, Sőrés-Tölli Lilla Márta, Mentes Dóra, Hatvani-Nagy Alpár Ferencz, Groh Peter Werner, Viskolcz Béla, Muránszky Gábor, Fiser Béla: Comparative analysis of thermal degradation effects on traditional and low-emission flexible polyurethane foams, Express Polymer Letters, vol. 18, nr 10, 2024, s. 964-975, DOI:10.3144/expresspolymlett.2024.74	100
40	Hua Sun, Shah Sayyar Ali, Ullah Noor, **Ullah Nabi,** Yuan Aihua: Synthesis of Fe2O3 Nanorod and NiFe2O4 Nanoparticle Composites on Expired Cotton Fiber Cloth for Enhanced Hydrogen Evolution Reaction, Molecules, MDPI, vol. 29, nr 13, 2024, Numer artykułu: 3082, s. 1-14, DOI:10.3390/molecules29133082	140
41	**Hushcha Valeryia, Ben Anna, Felczak Aleksandra, Lisowska Katarzyna, Kinart Zdzisław,** Gacki Michał, **Chęcińska Lilianna:** Enhancing the solubility and antibacterial activity of novel molecular salts of enrofloxacin drug with isomeric pyridinedicarboxylic acids, Scientific Reports, Nature Publishing Group, vol. 14, nr 1, 2024, Numer artykułu: 29317, s. 1-13, DOI:10.1038/s41598-024-80665-y	140
42	**Ignaczak Anna, Hoelm Marta, Porwański Stanisław, Jóźwiak Paweł, Krześlak Anna:** Experimental and computational studies on possibility of using glucose diazacrown cryptand as a carrier for anticancer drugs busulfan and lomustine, Scientific Reports, Nature Publishing Group, vol. 14, 2024, s. 1-16, DOI:10.1038/s41598-024-80029-6	140
43	Imbrogno Alessandra, Lin Han Ya, Gopalakrishnan Akhil, **Minofar Babak,** Schäfer Andrea I.: Functionalized composite nanofiber membranes for selective steroid hormone micropollutants uptake from water: role of cyclodextrin type, Water Research, vol. 267, 2024, Numer artykułu: 122543, s. 1-14, DOI:10.1016/j.watres.2024.122543	140
44	Isca Vera M. S., Sitarek Przemysław, Merecz-Sadowska Anna, **Małecka Magdalena,** Owczarek Monika, Joanna Wieczfińska, Zajdel Radosław, **Nowak Paweł,** Rijo Patricia, **Kowalczyk Tomasz:** Anticancer effects of abietane diterpene 7α-Acetoxy-6β-hydroxyroyleanone from plectranthus grandidentatus and its semi-synthetic analogs: an in silico computational approach, Molecules, MDPI, vol. 29, nr 8, 2024, Numer artykułu: 1807, s. 1-27, DOI:10.3390/molecules29081807	140
45	Ivanovski Vladimir, Viscusi Gianluca, Liparoti Sara, **Piwoński Ireneusz:** Elucidating the interaction between polar alkoxysilane-modified silicate glass and ionic surfactant in the obtainment of hydrophobic transparent film, Colloids and Surfaces A-Physicochemical and Engineering Aspects, Elsevier B.V., vol. 702, nr 1, 2024, Numer artykułu: 134969, DOI:10.1016/j.colsurfa.2024.134969	70
46	Iwaniak Klaudia, Kaczorowski Witold, **Burnat Barbara,** Grabarczyk Jacek: Alkali pre-treatment of the Ti6Al7Nb substrate and its impact on electrochemically deposited calcium phosphate coatings, Engineering of Biomaterials / Inżynieria Biomateriałów, vol. 172, 2024, Numer artykułu: 01, s. 1-8, DOI:10.34821/eng.biomat.172.2024.01	20
47	Kaczmarek-Klinowska Milena, **Łudzik-Dychto Katarzyna,** Jażdżewska Monika, **Jóźwiak Małgorzata,** Hornowski Tomasz, Bilski Paweł: Characterization of behavior of the inclusion complex between methyl-β-cyclodextrin and nimodipine in water-ethanol mixed media, Journal of	100

	Molecular Liquids, Elsevier BV, vol. 395, 2024, Numer artykułu: 123762, s. 1-7, DOI:10.1016/j.molliq.2023.123762	
48	Kareem Faheem, **Rizwan Mohammad,** Ahmed Minhaz Uddin: A novel label-free electrochemical immunosensor based on DCNC@AgNPs/MXene for the detection of apolipoprotein A-1 in human serum, Electrochimica Acta, Pergamon, vol. 474, 2024, Numer artykułu: 143536, DOI:10.1016/j.electacta.2023.143536	100
49	**Kaspiaruk Hanna, Chęcińska Lilianna:** A triclinic polymorph of miconazole, Acta Crystallographica Section E: Crystallographic Communications, International Union of Crystallography, vol. 80, nr 2, 2024, s. 196-200, DOI:10.1107/s2056989024000276	20
50	**Kinart Zdzisław:** Conductometric and Thermodynamic Studies of Selected Imidazolium Chloride Ionic Liquids in N,N-Dimethylformamide at Temperatures from 278.15 to 313.15 K, Molecules, MDPI, vol. 29, nr 6, 2024, Numer artykułu: 1371, s. 1-16, DOI:10.3390/molecules29061371	140
51	**Klarek Mateusz, Kowalski Konrad:** Chemistry of organometallic nucleic acid components: personal perspectives and prospects for the future, Dalton Transactions, RSC Publications, vol. 53, nr 46, 2024, s. 18420-18439, DOI:10.1039/d4dt02634a	140
52	Kokoskarova Pavlinka, Ruskovska Tatjana, **Brycht Mariola, Skrzypek Sławomira,** Mirčeski Valentin: Label-free voltammetric screening of human blood serum, Macedonian Journal of Chemistry and Chemical Engineering, Macedonian Journal of Chemistry and Chemical Engineering, vol. 43, nr 1, 2024, s. 49-59, DOI:10.20450/mjcce.2024.2859	20
53	**Kosińska Aneta, Jamroz Daria, Rybarczyk-Pirek Agnieszka J.,** Wojtulewski Sławomir, **Palusiak Marcin, Zakrzewski Janusz, Rudolf Bogna:** Amine-catalyzed substitution in CpFe(CO) $_2$ I by phosphine and bisphosphine ligands, Dalton Transactions, RSC Publications, vol. 53, nr 23, 2024, s. 9732-9740, DOI:10.1039/d4dt00416g	140
54	**Koszelska Kamila, Smarzewska Sylwia,** Mircheski Valentin: Dopamine modified electrodes for indirect voltammetric determination of magnesium ions, Diamond and Related Materials, vol. 145, 2024, Numer artykułu: 111123, s. 1-6, DOI:10.1016/j.diamond.2024.111123	100
55	**Kowalczyk Aleksandra, Pieczonka Adam,** Kassassir Hassan, **Rachwalski Michał, Stączek Paweł:** A Study on the Biological Activity of Optically Pure Aziridine Phosphines and Phosphine Oxides, Molecules, MDPI, vol. 29, nr 7, 2024, Numer artykułu: 1430, s. 1-13, DOI:10.3390/molecules29071430	140
56	**Kowalczyk Aleksandra, Karpowicz Rafał, Szczupak Łukasz, Gapińska Magdalena,** Gorski Aleksander, Dutkiewicz Natalia, Kutta Roger J., **Kowalski Konrad:** Micelle encapsulated luminescent iridium(III)(ppy)2L complexes: Photophysics, photocytotoxic activity in HeLa cells and morphological confocal microscopy imaging in C. flavicans M. larva and L. sativum L. plant, Journal of Organometallic Chemistry, Elsevier S.A., vol. 1006, 2024, Numer artykułu: 123017, s. 1-12, DOI:10.1016/j.jorganchem.2024.123017	70
57	**Kowalczyk Karolina, Błauż Andrzej, Krawczyk Krzysztof, Rychlik Błażej, Plażuk Damian:** Design and synthesis of ferrocenyl 1,4-dihydropyridines and their evaluation as kinesin-5 inhibitors, Dalton Transactions, RSC Publications, vol. 53, nr 38, 2024, s. 16038-16053, DOI:10.1039/d4dt01853b	140
58	**Krata Agnieszka Anna, Domagała Julia, Głowacki Rafał:** Hydrophilic interaction liquid chromatography based method for simultaneous determination of purines and their derivatives in food spices, Food Chemistry, Elsevier, vol. 441, 2024, Numer artykułu: 138285, s. 1-8, DOI:10.1016/j.foodchem.2023.138285	200

59	Kułaga Damian, Drabczyk Anna K., Zaręba Przemysław, Jaśkowska Jolanta, Chrzan Julia, Greber Katarzyna Ewa, Ciura Krzesimir, **Plażuk Damian,** Wielgus Ewelina: Green synthesis of 1,3,5-triazine derivatives using a sonochemical protocol, Ultrasonics Sonochemistry, vol. 108, 2024, Numer artykułu: 106951, s. 1-11, DOI:10.1016/j.ultsonch.2024.106951	140
60	Kunert Marta, **Piwoński Ireneusz,** Hardan Louis, Bourgi Rim, Sauro Salvatore, Inchingolo Francesco, Lukomska-Szymanska Monika: Dentine Remineralisation Induced by "Bioactive" Materials through Mineral Deposition: An In Vitro Study, Nanomaterials, MDPI, vol. 14, nr 3, 2024, Numer artykułu: 274, s. 1-26, DOI:10.3390/nano14030274	100
61	Kuraś Renata, Stępnik Maciej, **Grobelny Jarosław, Tomaszewska Emilia,** Stanisławska Magdalena, Domeradzka-Gajda Katarzyna, Wąsowicz Wojciech, Janasik Beata: Distribution of molybdenum in soft tissues and blood of rats after intratracheal instillation of molybdenum(IV) sulfide nano- and microparticles, Toxicological Research, Koreal Association of Medical Journal Editors, vol. 40, nr 1, 2024, s. 163-177, DOI:10.1007/s43188-023-00213-0	100
62	La Manna Sara, Di Natale Concetta, Panzetta Valeria, Netti Paolo Antonio, Merlino Antonello, **Kowalski Konrad,** Marasco Daniela: Enhancers of amyloid aggregation: novel ferrocene-based compounds selective toward amyloid models, Inorganic Chemistry Frontiers, vol. 11, nr 19, 2024, s. 6577-6587, DOI:10.1039/d4qi01854k	140
63	**Laroui Abdelatif, Kwaczyński Karolina, Dąbrzalska Monika,** Zatloukalova Martina, Vacek Jan, **Półtorak Łukasz:** Effect of Surfactants on 1,2-Dichloroethane-in-Water Droplet Impacts at Electrified Liquid-Liquid Interface, Electrochimica Acta, Pergamon, vol. 500, 2024, Numer artykułu: 144753, s. 1-23, DOI:10.1016/j.electacta.2024.144753	100
64	**Leniart Andrzej, Burnat Barbara, Brycht Mariola, Dzemidovich Maryia-Mazhena, Skrzypek Sławomira:** Fabrication and Characterization of an Electrochemical Platform for Formaldehyde Oxidation, Based on Glassy Carbon Modified with Multi-Walled Carbon Nanotubes and Electrochemically Generated Palladium Nanoparticles, Materials, MDPI, vol. 17, nr 4, 2024, Numer artykułu: 841, s. 1-13, DOI:10.3390/ma17040841	140
65	**Leniart Andrzej, Burnat Barbara, Brycht Mariola, Skrzypek Sławomira:** Rola Palladu w elektrochemii: właściwości, procesy elektroosadzania i zastosowanie, Wiadomości Chemiczne, Polskie Towarzystwo Chemiczne (Warszawa), vol. 78, nr 7-8, 2024, s. 997-1024	20
66	Lin Han Ya, Imbrogno Alessandra, Gopalakrishnan Akhil, Minofar Babak, Schäfer Andrea I.: Role of Cyclodextrin Cross-Linker Type on Steroid Hormone Micropollutant Removal from Water Using Composite Nanofiber Membrane, ACS Applied Polymer Materials, vol. 6, nr 12, 2024, s. 7184-7196, DOI:10.1021/acsapm.4c01019	20
67	Lorenc-Koci Elżbieta, Górny Magdalena, **Chwatko Grażyna,** Kamińska Kinga, Iciek Małgorzata, Rogóż Zofia: The effect of phencyclidine-mediated blockade of NMDA receptors in the early postnatal period on glutathione and sulfur amino acid levels in the rat brain as a potential causative factor of schizophrenia-like behavior in adulthood, Pharmacological Reports, vol. 76, nr 4, 2024, s. 863-877, DOI:10.1007/s43440-024-00607-3	100
68	**Łomzik Michał, Błauż Andrzej,** Tchoń Daniel, Makal Anna, **Rychlik Błażej, Plażuk Damian:** Development of Half-Sandwich Ru, Os, Rh, and Ir Complexes Bearing the Pyridine-2-ylmethanimine Bidentate Ligand Derived from 7-Chloroquinazolin-4(3H)-one with Enhanced Antiproliferative Activity, ACS Omega, ACS Publications, vol. 9, nr 16, 2024, s. 18224-18237, DOI:10.1021/acsomega.3c10482	70
69	Madej-Kiełbik Longina, Jóźwik-Pruska Jagoda, **Dziuba Radosław,** Gzyra-Jagieła Karolina, Tarzyńska Nina: The Impact of the COVID-19 Pandemic on the Amount of Plastic Waste and Alternative Materials in the Context of the Circular Economy, Sustainability, MDPI, vol. 16, nr 4, 2024, Numer artykułu: 1555, s. 1-21, DOI:10.3390/su16041555	100

70	Mallouhi Julie, Varga Miklós, Sikora Emőke, Gráczer Kitty, Bánhidi Olivér, Gaspard Sarra, Goudou Francesca, Viskolcz Béla, Szőri-Dorogházi Emma, Fiser Béla: Activated Carbon and Biochar Derived from Sargassum sp. Applied in Polyurethane-Based Materials Development, Polymers, MDPI, vol. 16, nr 20, 2024, Numer artykułu: 2914, s. 1-19, DOI:10.3390/polym16202914	100
71	Mallouhi Julie, Hornyák-Mester Enikő, Varga Miklós, Viskolcz Béla, Fiser Béla, Szőri-Dorogházi Emma: Development of toxicity tests for Polyurethane foams, Heliyon, Elsevier Ltd, vol. 10, nr 19, 2024, Numer artykułu: e38440, s. 1-12, DOI:10.1016/j.heliyon.2024.e38440	40
72	**Małecka Magdalena,** Sobiesiak Marta, **Chęcińska Lilianna,** Kozakiewicz-Piekarz Anna, Napiórkowska Marta, Ziomkowska Blanka, **Stępniak Artur,** Kupcewicz Bogumiła: Fluorescent properties in solid-state and solution of novel tricyclic derivatives of chloro/bromophenylchromanones and 2-methylpyrazoline, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Elsevier BV, vol. 308, 2024, Numer artykułu: 123715, s. 1-33, DOI:10.1016/j.saa.2023.123715	140
73	Mentes Dóra, Jordán Anikó, Farkas László, Muránszky Gábor, Fiser Béla, Viskolcz Béla, Póliska Csaba: Evaluating emissions and air quality implications of residential waste incineration, Scientific Reports, Nature Publishing Group, vol. 14, nr 1, 2024, Numer artykułu: 21314, s. 1-11, DOI:10.1038/s41598-024-72173-w	140
74	Merecz-Sadowska Anna, Isca Vera M.S., Sitarek Przemysław, **Kowalczyk Tomasz, Małecka Magdalena,** Zajdel Karolina, Zielińska-Bliźniewska Hanna, **Jęcek Mariusz,** Rijo Patricia, Zajdel Radosław: Exploring the Anticancer Potential of Semisynthetic Derivatives of 7α-Acetoxy-6β-hydroxyroyleanone from Plectranthus sp.: An In Silico Approach, International Journal of Molecular Sciences, MDPI, vol. 25, nr 8, 2024, Numer artykułu: 4529, s. 1-34, DOI:10.3390/ijms25084529	140
75	Mircheski Valentin, **Guziejewski Dariusz,** Gulaboski Rubin: Genuine anodic and cathodic current components in cyclic voltammetry, Scientific Reports, Nature Publishing Group, vol. 14, nr 1, 2024, Numer artykułu: 17314, s. 1-12, DOI:10.1038/s41598-024-67840-x	140
76	Mircheski Valentin, Lovrić Milivoj: Genuine differential voltammetry, Talanta, Elsevier BV, vol. 279, 2024, Numer artykułu: 126560, s. 1-6, DOI:10.1016/j.talanta.2024.126560	100
77	Mircheski Valentin, Peacock Martin, Stojanov Leon: Potential enhancements in commercial glucose biosensors utilizing electrochemical faradaic spectroscopy: Analyzing the sum component in the EC' mechanism, Electroanalysis, Wiley - V C H Verlag GmbH & Co. KGaA, vol. 36, nr 8, 2024, Numer artykułu: e202300329, s. 1-12, DOI:10.1002/elan.202300329	70
78	Mircheski Valentin, Lovric Milivoj, Compton Richard G., **Ullah Nabi:** Revisiting the Butler-Volmer Electrode Kinetics: Separating the Anodic and Cathodic Current Components of a Quasi-Reversible Electrode Reaction in Staircase Voltammetry, Journal of Electroanalytical Chemistry, vol. 957, 2024, Numer artykułu: 118111, DOI:10.1016/j.jelechem.2024.118111	70
79	Misiak Paweł, Maliszewski Bartosz, Pawłowska Zuzanna, **Ignaczak Anna,** Wilczewska Agnieszka Z.: Encapsulation of 5-fluorouracil in cholesteryl-modified cyclodextrin: thermal, spectral, and computational assessment of drug inclusion efficiency, Journal of Materials Chemistry B : materials for biology and medicine, RSC Publications, vol. 12, nr 29, 2024, s. 7063-7075, DOI:10.1039/d4tb00496e	140
80	**Mlostoń Grzegorz, Kowalczyk Mateusz, Palusiak Marcin,** Oliver Gwyndaf A., von Köller Heinrich F., Werz Daniel B.: Diastereoselective (8+3)-Cycloadditions of Donor-Acceptor Cyclopropanes with Tropothione, European Journal of Organic Chemistry, Wiley - V C H Verlag GmbH & Co. KGaA, vol. 27, nr 6, 2024, Numer artykułu: e202301182, s. 1-5, DOI:10.1002/ejoc.202301182	70

81	**Mlostoń Grzegorz, Urbaniak Katarzyna, Palusiak Marcin,** Łastawiecka Elżbieta, Frynas Sławomir, Pietrusiewicz Kazimierz Michał, Heimgartner Heinz: Novel Bicyclic P,S-Heterocycles via Stereoselective hetero-Diels–Alder Reactions of Thiochalcones with 1-Phenyl-4H-phosphinin-4-one 1-Oxide, Molecules, MDPI, vol. 29, nr 9, 2024, Numer artykułu: 2036, s. 1-13, DOI:10.3390/molecules29092036	140
82	**Mlostoń Grzegorz, Celeda Małgorzata, Kowalczyk Mateusz,** Oliver Gwyndaf A., Werz Daniel B.: Ring-Opening Reactions of Donor-Acceptor Cyclopropanes with Enolizable 5-Mercapto-1H-tetrazoles, European Journal of Organic Chemistry, Wiley - V C H Verlag GmbH & Co. KGaA, vol. 27, nr 46, 2024, Numer artykułu: e202400831, s. 1-7, DOI:10.1002/ejoc.202400831	70
83	Müller Victoria V. L., Moreth Dominik, **Kowalski Konrad, Kowalczyk Aleksandra, Gapińska Magdalena,** Kutta Roger J., Nuernberger Patrick, Schatzschneider Ulrich: Tuning The Intracellular Distribution of [3+2+1] Iridium(III) Complexes In Bacterial And Mammalian Cells By iClick Reaction With Biomolecular Carriers Functionalized With Alkynone Groups, Chemistry-A European Journal, Wiley - V C H Verlag GmbH & Co. KGaA, vol. 30, nr 56, 2024, Numer artykułu: e202401603, s. 1-13, DOI:10.1002/chem.202401603	140
84	Nabeel Mohammed, Mousa Mohanad, Viskolcz Béla, Fiser Béla, Vanyorek László: Recent Advances in Flexible Foam Pressure Sensors: Manufacturing, Characterization, and Applications – a Review, Polymer Reviews, vol. 64, nr 2, 2024, s. 449-489, DOI:10.1080/15583724.2023.2262558	140
85	**Nazarski Ryszard:** Ambient temperature ^{1}H/^{13}C NMR spectra of sodium 3-(trimethylsilyl)propane-1-sulfonate (DSS) in D_2O referenced to external TMS: A discussion of these and closely related results. Corrections for the bulk magnetic susceptibility effect for aqueous NMR samples, Magnetic Resonance in Chemistry, vol. 62, nr 7, 2024, s. 535-543, DOI:10.1002/mrc.5440	40
86	**Nazarski Ryszard, Domagała Małgorzata:** Unexpected Formation of 6-(1H-Benzo[d]imidazol-2-yl)-1-phenyl-hexan-1-one and Its Structure in Solution and Solid State Analyzed in the Context of Tautomerism, Crystals, MDPI AG, vol. 14, nr 8, 2024, Numer artykułu: 704, s. 1-16, DOI:10.3390/cryst14080704	70
87	**Okła Elżbieta, Michlewska Sylwia, Buczkowski Adam, Zawadzki Serafin, Miłowska Katarzyna,** Sánchez-Nieves Javier, Gómez Rafael, de la Mata Francisco Javier, **Bryszewska Maria,** Błasiak Janusz: Pegylated gold nanoparticles interact with lipid bilayer and human serum albumin and transferrin, Scientific Reports, Nature Publishing Group, vol. 14, nr 1, 2024, Numer artykułu: 24408, s. 1-10, DOI:10.1038/s41598-024-74898-0, łączna liczba autorów: *11*	140
88	Papp Lajos Attila, Hancu Gabriel, Szabó Zoltán-István, Székely-Szentmiklósi Blanka, Tamás Gáti, Fiser Béla, Kraszni Márta, Tóth Gergő: Chiral Separation of Vildagliptin by Capillary Electrophoresis - The Study of Enantiomeric Complexation, Symmetry, MDPI, vol. 16, nr 1, 2024, Numer artykułu: 17, s. 1-12, DOI:10.3390/sym16010017	70
89	**Piechocka Justyna, Głowacki Rafał:** Comprehensive studies on the development of HPLC-MS/MS and HPLC-FL based methods for routine determination of homocysteine thiolactone in human urine, Talanta, Elsevier BV, vol. 272, 2024, Numer artykułu: 125791, s. 1-13, DOI:10.1016/j.talanta.2024.125791	100
90	Pięta Łukasz, **Kisielewska Aneta, Piwoński Ireneusz,** Malek Kamilla: Modulation of photo-induced Raman enhancement in Ag nanoparticles deposited on nanometer-thick TiO2 films. An interplay between plasmonic properties and irradiation energy, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Elsevier BV, vol. 305, 2024, Numer artykułu: 123537, s. 1-8, DOI:10.1016/j.saa.2023.123537	140

91	Pocrnić Marijana, Hoelm Marta, **Ignaczak Anna,** Čikoš Ana, Budimir Ana, Tomišić Vladislav, Galić Nives: Inclusion complexes of loratadine with β-cyclodextrin and its derivatives in solution. Integrated spectroscopic, thermodynamic and computational studies, Journal of Molecular Liquids, Elsevier BV, vol. 410, 2024, Numer artykułu: 125515, s. 1-10, DOI:10.1016/j.molliq.2024.125515	100
92	Poltorak Michal, Banatkiewicz Pawel, **Półtorak Łukasz,** Sobolewski Piotr, Zimon Damian, Szwast Maciej, Walecka Irena: Brachytherapy and 3D printing for skin cancer: A review paper, Journal of Contemporary Brachytherapy, vol. 16, nr 2, 2024, s. 156-169, DOI:10.5114/jcb.2024.137357	70
93	Poltorak Michal, Banatkiewicz Pawel, **Półtorak Łukasz,** Sobolewski Piotr, Zimon Damian, Szwast Maciej, Walecka Irena: Individualized 3D printing for skin cancer brachytherapy: Development, implementation, clinical applications, and treatment assessment, Journal of Contemporary Brachytherapy, vol. 16, nr 3, 2024, s. 173-183, DOI:10.5114/jcb.2024.141420	70
94	Poltorak Michal, Banatkiewicz Pawel, **Półtorak Łukasz,** Sobolewski Piotr, Zimon Damian, Szwast Maciej, Walecka Irena: Reproducibility and air gap pockets of 3D-printed brachytherapy applicator placement in high-dose-rate skin cancer, Physica Medica, vol. 123, 2024, Numer artykułu: 103401, s. 1-7, DOI:10.1016/j.ejmp.2024.103401	70
95	**Poper Wiktor,** Ma Jun-An, **Jasiński Marcin Paweł:** One-Pot Telescoping S-Transfer and Trifluoromethylation for the Synthesis of 2-CF3S-Imidazoles with N-Oxides as Convenient Precursors, Journal of Organic Chemistry, vol. 89, nr 20, 2024, s. 15331-15335, DOI:10.1021/acs.joc.4c01761	140
96	Qazi Raina Aman, Aman Nargis, **Ullah Nabi,** Jamila Nargis, Bibi Naheed: Recent advancement for enhanced e. Coli detection in electrochemical biosensors, Microchemical Journal, vol. 196, 2024, Numer artykułu: 109673, DOI:10.1016/j.microc.2023.109673	70
97	Reizer Edina, Tokaji György Marcell, **Palusiak Marcin,** Viskolcz Béla, Fiser Béla: The first step of polycyclic aromatic hydrocarbon growth – A case study of hydrogen abstractions by •H, •OH, and •CH3 radical, Computational and Theoretical Chemistry, Elsevier, vol. 1234, 2024, Numer artykułu: 114530, s. 1-7, DOI:10.1016/j.comptc.2024.114530	40
98	**Rizwan Mohammad, Rudnicki Konrad, Skrzypek Sławomira, Półtorak Łukasz:** Indirect detection of acid phosphatase at the macroscopic electrified liquid-liquid interface, Electrochimica Acta, Pergamon, vol. 476, 2024, Numer artykułu: 143698, s. 1-6, DOI:10.1016/j.electacta.2023.143698	100
99	Roślak Adam, Doering Józef, Strzałka Wioletta, Makówka Marcin, Jędrzejczak Anna, Kołodziejczyk Łukasz, Balcerzak Jacek, Jóźwiak Łukasz, **Piwoński Ireneusz,** Pawlak Wojciech: Formation and Mechano-Chemical Properties of Chromium Fluorides Originated from the Deposition of Carbon-Chromium Nanocomposite Coatings in the Reactive Atmosphere (Ar + CF4) during Magnetron Sputtering, Materials, MDPI, vol. 17, nr 20, 2024, Numer artykułu: 5034, s. 1-15, DOI:10.3390/ma17205034	140
100	**Rózga Karolina, Błauż Andrzej,** Ayine-Tora Daniel Moscoh, **Puścion Ernest,** Hartinger Christian G., **Plażuk Damian, Rychlik Błażej:** Synthesis and Biological Properties of Ferrocenyl and Organic Methotrexate Derivatives, ACS Omega, ACS Publications, vol. 9, nr 31, 2024, s. 33845-33856, DOI:10.1021/acsomega.4c03602	70
101	**Rudnicki Konrad,** Budzyńska Sylwia, **Skrzypek Sławomira, Półtorak Łukasz:** Comparative electrochemical study of veterinary drug danofloxacin at glassy carbon electrode and electrified liquid-liquid interface, Scientific Reports, Nature Publishing Group, vol. 14, nr 1, 2024, Numer artykułu: 14489, s. 1-10, DOI:10.1038/s41598-024-65246-3	140

102	**Rudnicki Konrad, Sobczak Karolina, Karpiński Robert, Borgul Paulina, Powałka Emilia, Skrzypek Sławomira, Półtorak Łukasz:** Phenylethylamine sensing at the electrified liquid–liquid interface. Can electrochemistry be used to follow the UHT milk spoilage process?, Food Chemistry, Elsevier, vol. 442, 2024, Numer artykułu: 138407, s. 1-9, DOI:10.1016/j.foodchem.2024.138407	200
103	Sadowski Mikołaj, Dresler Ewa, **Wróblewska Aneta,** Jasiński Radomir: A New Insight into the Molecular Mechanism of the Reaction between 2-Methoxyfuran and Ethyl (Z)-3-phenyl-2-nitroprop-2-enoate: An Molecular Electron Density Theory (MEDT) Computational Study, Molecules, MDPI, vol. 29, nr 20, 2024, Numer artykułu: 4876, s. 1-17, DOI:10.3390/molecules29204876	140
104	Sadowski Mikołaj, Dresler Ewa, Zawadzińska Karolina, **Wróblewska Aneta,** Jasiński Radomir: Syn-Propanethial S-Oxide as an Available Natural Building Block for the Preparation of Nitro-Functionalized, Sulfur-Containing Five-Membered Heterocycles: An MEDT Study, Molecules, MDPI, vol. 29, nr 20, 2024, Numer artykułu: 4892, s. 1-20, DOI:10.3390/molecules29204892	140
105	Sen Bibaswan, Paul Sayantani, **Krukowski Paweł,** Kundu Debojyoti, Das Sangita, Banerjee Priyabrata, **Małecka Magdalena,** Abbas Sk Jahir, Ali Sk Imran: CuAs2O4: Design, Hydrothermal Synthesis, Crystal Structure, Photocatalytic Dye Degradation, Hydrogen Evolution Reaction, Knoevenagel Condensation Reaction, and Thermal Studies, Inorganic Chemistry, American Chemical Society, vol. 63, nr 6, 2024, s. 2919-2933, DOI:10.1021/acs.inorgchem.3c03225	140
106	**Shakeel Nasir, Piwoński Ireneusz, Kisielewska Aneta,** Krzywiecki Maciej, Batory Damian, **Cichomski Michał:** Morphology-Dependent Photocatalytic Activity of Nanostructured Titanium Dioxide Coatings with Silver Nanoparticles, International Journal of Molecular Sciences, MDPI, vol. 25, nr 16, 2024, Numer artykułu: 8824, s. 1-22, DOI:10.3390/ijms25168824	140
107	Sikora Marta, Bretes Ewa, Perła-Kaján Joanna, Utyro Olga, **Borowczyk Kamila, Piechocka Justyna, Głowacki Rafał,** Wojtasz Izabela, Kaźmierski Radosław, Jakubowski Hieronim: Homocysteine thiolactone and other sulfur-containing amino acid metabolites are associated with fibrin clot properties and the risk of ischemic stroke, Scientific Reports, Nature Publishing Group, vol. 14, 2024, Numer artykułu: 11222, s. 1-13, DOI:10.1038/s41598-024-60706-2	140
108	**Skiba Joanna,** Hirschfeld Marius, Lang Heinrich, Trzybiński Damian, Woźniak Krzysztof, Gazecka Monika, Zmora Paweł, **Kowalski Konrad:** Click—ferrocenyl nucleotides—synthesis, electrochemistry, and antiproliferative activity studies, Journal of Organometallic Chemistry, Elsevier S.A., vol. 1016, 2024, Numer artykułu: 123242, s. 1-11, DOI:10.1016/j.jorganchem.2024.123242	70
109	**Skowron Monika, Smarzewska Sylwia:** Image Analysis as a Tool for Understanding Quantitative Analysis in Chromatography, Journal of Chemical Education, vol. 101, nr 2, 2024, s. 554-558, DOI:10.1021/acs.jchemed.3c00671	70
110	Slavov Dimitar, **Tomaszewska Emilia, Grobelny Jarosław,** Karashanova Daniela, Peshev Zahari, Bliznakova Irina, Dikovska Anna: Advanced properties of gold nanoparticles obtained by using long-chain secondary amine for phase transfer from water to chloroform, Colloids and Surfaces A-Physicochemical and Engineering Aspects, Elsevier B.V., vol. 698, 2024, Numer artykułu: 134635, s. 1-11, DOI:10.1016/j.colsurfa.2024.134635	70
111	Slavov Dimitar, **Tomaszewska Emilia, Grobelny Jarosław,** Drenchev Nikola, Karashanova Daniela, Peshev Zahari, Bliznakova Irina: FTIR spectroscopy revealed nonplanar conformers, chain order, and packaging density in diOctadecylamine- and octadecylamine-passivated gold nanoparticles, Journal of Molecular Structure, Elsevier BV, vol. 1314, 2024, Numer artykułu: 138827, s. 1-15, DOI:10.1016/j.molstruc.2024.138827	70

112	Słota Dagmara, **Urbaniak Mateusz, Tomaszewska Agata,** Niziołek Karina, **Włodarczyk Marcin,** Florkiewicz Wioletta, **Szwed-Georgiou Aleksandra, Krupa Agnieszka,** Sobczak-Kupiec Agnieszka: Crosslinked hybrid polymer/ceramic composite coatings for the controlled release of clindamycin, Biomaterials Science, vol. 12, nr 20, 2024, s. 5253-5265, DOI:10.1039/d4bm00055b	140
113	**Smarzewska Sylwia, Ignaczak Anna, Koszelska Kamila:** Electrochemical and theoretical studies of the interaction between anticancer drug ponatinib and dsDNA, Scientific Reports, Nature Publishing Group, vol. 14, nr 1, 2024, Numer artykułu: 2278, s. 1-14, DOI:10.1038/s41598-024-52609-z	140
114	Sobańska Zuzanna, Sitarek Krystyna, Gromadzińska Jolanta, Świercz Radosław, Szparaga Mateusz, Domeradzka-Gajda Katarzyna, **Grobelny Jarosław, Ranoszek-Soliwoda Katarzyna, Tomaszewska Emilia, Celichowski Grzegorz:** Biological effects of molybdenum(IV) sulfide nanoparticles and microparticles in the rat after repeated intratracheal administration, Journal of Applied Toxicology, vol. 44, nr 4, 2024, s. 595-608, DOI:10.1002/jat.4563, łączna liczba autorów: *15*	100
115	**Sobczak Karolina, Rudnicki Konrad, Półtorak Łukasz:** Electrochemical screening of selected β-blockers at a polarized liquid–liquid interface, Analyst, RSC Publications, vol. 149, nr 8, 2024, s. 2363-2373, DOI:10.1039/d3an02051g	100
116	**Stępniak Artur, Biernacka Marta, Małecka Magdalena, Pałecz Bartłomiej:** Host-Guest Complexes of Flavanone and 4′-Chloroflavanone with Naturals and Modified Cyclodextrin: A Calorimetric and Spectroscopy Investigations, Molecules, MDPI, vol. 29, nr 13, 2024, Numer artykułu: 3123, s. 1-15, DOI:10.3390/molecules29133123	140
117	**Stępnik Joanna, Kisielewska Aneta, Piwoński Ireneusz:** Preparation and photocatalytic activity of TiO2 photonic crystals modified by bimetallic Ag–Pt nanostructures, Catalysis Science & Technology, vol. 14, nr 15, 2024, s. 4274-4292, DOI:10.1039/d4cy00307a	140
118	Szczesio-Wlodarczyk Agata, Fronczek Magdalena, **Ranoszek-Soliwoda Katarzyna,** Sokolowski Jerzy, Bociong Kinga: Evaluation of Selected Artificial Aging Protocols for Dental Composites Including Fatigue and Fracture Tests, Applied Sciences-Basel, MDPI, vol. 14, nr 16, 2024, Numer artykułu: 6964, s. 1-22, DOI:10.3390/app14166964	100
119	**Szmechtyk Tomasz, Małecka Magdalena:** Phytochemicals from Bark Extracts and Their Applicability in the Synthesis of Thermosetting Polymers: An Overview, Materials, MDPI, vol. 17, nr 9, 2024, Numer artykułu: 2123, s. 1-31, DOI:10.3390/ma17092123	140
120	**Szymaniec Olga Ludmiła, Kowalski Grzegorz, Hurny Bartłomiej, Kwaczyński Karolina, Półtorak Łukasz:** Druk 3D okiem elektrochemika, Wiadomości Chemiczne, Polskie Towarzystwo Chemiczne (Warszawa), vol. 78, nr 11, 2024, s. 1517-1535, DOI:10.53584/wiadchem.2024.11.5	20
121	**Szymańska Julia, Rachwalski Michał, Pieczonka Adam M.:** Highly Efficient Asymmetric [3+2] Cycloaddition Promoted by Chiral Aziridine-Functionalized Organophosphorus Compounds, Molecules, MDPI, vol. 29, nr 14, 2024, Numer artykułu: 3283, s. 1-11, DOI:10.3390/molecules29143283	140
122	Taherkhani Farid, Minofar Babak: The Impact of Chemical Modifications on The Ionic Conductivity of Ionic Liquid Encapsulated in Carbon Nanotubes, Potential Application in Aluminum Ion Battery, Chemical Physics, vol. 582, 2024, Numer artykułu: 112278, s. 1-9, DOI:10.1016/j.chemphys.2024.112278	70
123	**Teymouri Mahshid,** Pietrzak Anna, **Bartos Paulina:** (Hetero)Arene Ring-Fused [1,2,4]Triazines, MolBank, Multidisciplinary Digital Publishing Institute (MDPI), vol. 2024, nr 2, 2024, Numer artykułu: M1824, s. 1-8, DOI:10.3390/m1824	20

124	**Thangaraj Shunmuga Thain Balamurugan, Kwaczyński Karolina, Rizwan Mohammad, Półtorak Łukasz:** Current trends in rapid electroanalytical screening of date rape drugs in beverages, Trac-Trends in Analytical Chemistry, Elsevier BV, vol. 175, 2024, Numer artykułu: 117712, s. 1-14, DOI:10.1016/j.trac.2024.117712	140
125	**Thangaraj Shunmuga Thain Balamurugan,** Stelmaszczyk Paweł, Wietecha-Posłuszny Renata, **Półtorak Łukasz:** Electroanalytical characterization of clozapine at the electrified liquid-liquid interface and its detection in soft and hard drinks, Analyst, RSC Publications, vol. 149, nr 7, 2024, s. 2073-2083, DOI:10.1039/d3an02188b	100
126	Thbayh Dalal K., Mentes Dóra, Boros Zsanett R., **Palusiak Marcin,** Farkas László, Viskolcz Béla, Fiser Béla: α-Tocopherol and Trolox as Effective Natural Additives for Polyurethane Foams: A DFT and Experimental Study, Molecules, MDPI, vol. 29, nr 24, 2024, Numer artykułu: 6037, s. 1-16, DOI:10.3390/molecules29246037	140
127	Thbayh Kifayah K., AlBadr Rafid M., Ziadan Kareema M., Thbayh Dalal K., Mohi Shaimma M., Fiser Béla: Fabrication and characterization of novel glass-ionomer cement prepared from oyster shells, Scientific Reports, Nature Publishing Group, vol. 14, nr 1, 2024, Numer artykułu: 24083, s. 1-11, DOI:10.1038/s41598-024-75040-w	140
128	**Tokarz Paweł:** Artificial Intelligence-Powered Pulse Sequences in Nuclear Magnetic Resonance and Magnetic Resonance Imaging: Historical Trends, Current Innovations and Perspectives, Scientiae Radices, Radomskie Towarzystwo Naukowe, vol. 3, nr 1, 2024, s. 30-52, DOI:10.58332/scirad2024v3i1a04	5
129	**Tomaszewska Emilia, Stępniak Artur,** Wróbel Dominika, **Bednarczyk Katarzyna,** Maly Jan, Krzyżowska Malgorzata, **Celichowski Grzegorz, Grobelny Jarosław, Ranoszek-Soliwoda Katarzyna:** Quantification of the Surface Coverage of Gold Nanoparticles with Mercaptosulfonates Using Isothermal Titration Calorimetry (ITC), Journal of Physical Chemistry B, American Chemical Society, vol. 128, nr 44, 2024, s. 10904-10914, DOI:10.1021/acs.jpcb.4c03365	140
130	**Tomczyk Danuta, Seliger Piotr:** Modification of Glassy Carbon Electrodes with Complexes of Manganese(II) with Some Phenanthroline Derivatives Immobilized in Nafion Layer, International Journal of Molecular Sciences, MDPI, vol. 25, nr 4, 2024, Numer artykułu: 2348, s. 1-14, DOI:10.3390/ijms25042348	140
131	**Ullah Nabi, Khan Saraf, Barton Bartłomiej, Guziejewski Dariusz, Smarzewska Sylwia, Koszelska Kamila,** Mirceski Valentin: A mini review on topographical and structural insight of metal carbides for electrocatalytic hydrogen peroxide detection, Microchemical Journal, vol. 200, 2024, Numer artykułu: 109961, s. 1-12, DOI:10.1016/j.microc.2024.109961	70
132	**Ullah Nabi, Guziejewski Dariusz, Koszelska Kamila, Smarzewska Sylwia, Małecka Magdalena, Ranoszek-Soliwoda Katarzyna, Grobelny Jarosław:** Chrysanthemum-Flowers-Like Bimetal Oxide Based Electrocatalyst for Methanol Oxidation Reaction, Energy Technology, Wiley - VCH Verlag GmbH & CO. KGaA, vol. 12, nr 7, 2024, Numer artykułu: 2400075, s. 1-7, DOI:10.1002/ente.202400075	100
133	**Ullah Nabi, Guziejewski Dariusz,** Mircheski Valentin: Mechanistic aspect of copper selenide as an electrocatalyst for the detection of hydrogen peroxide in gaseous phase, International Journal of Hydrogen Energy, vol. 74, 2024, s. 238-245, DOI:10.1016/j.ijhydene.2024.06.075	140
134	**Ullah Nabi, Guziejewski Dariusz, Koszelska Kamila, Smarzewska Sylwia,** Mircheski Valentin: NiCo2O4-based wool-ball as an electrocatalyst for methanol assisted water splitting, an alternative to water splitting, International Journal of Hydrogen Energy, vol. 89, 2024, s. 1265-1271, DOI:10.1016/j.ijhydene.2024.09.405	140

135	**Ullah Nabi, Guziejewski Dariusz,** Mahmood Asim, Ullah Sami, Khan Sikandar, Hussain Shahid, Imran Muhammad: Three-Dimensionally Arranged NiSe2 Nanosheets as an Efficient Electrocatalyst for Methanol Electrooxidation Reaction, Energy Technology, Wiley - VCH Verlag GmbH & CO. KGaA, vol. 12, nr 9, 2024, Numer artykułu: 2400390, s. 1-8, DOI:10.1002/ente.202400390	100
136	Ullah Sami, **Ullah Nabi,** Shah Syed Shaheen, **Guziejewski Dariusz,** Khan Firoz, Khan Iltaf, Ahmad Aziz, Saeed Muhammad, Khan Sikandar, Mabood Fazal: Theoretical and experimental progress in photothermal catalysis for sustainable energy and environmental protection: Key problems and strategies towards commercialization, Renewable & Sustainable Energy Reviews, vol. 201, 2024, Numer artykułu: 114615, DOI:10.1016/j.rser.2024.114615	200
137	Umar Ahmad, Ahmed Faheem, **Ullah Nabi,** Ansari Sajid Ali, Hussain Shahid, Ibrahim Ahmed A., Qasem Hussam, Kumar Sundararajan Ashok, Alhamami Mohsen A., Almehbad Noura: Exploring the potential of reduced graphene oxide/polyaniline (rGO@PANI) nanocomposites for high-performance supercapacitor application, Electrochimica Acta, Pergamon, vol. 479, 2024, Numer artykułu: 143743, DOI:10.1016/j.electacta.2023.143743, łączna liczba autorów: *14*	100
138	**Urbaniak Mateusz, Rudnicka Karolina, Płociński Przemysław, Mikołajczyk-Chmiela Magdalena:** Exploring the Osteoinductive Potential of Bacterial Pyomelanin Derived from Pseudomonas aeruginosa in a Human Osteoblast Model, International Journal of Molecular Sciences, MDPI, vol. 25, nr 24, 2024, Numer artykułu: 13406, s. 1-20, DOI:10.3390/ijms252413406	140
139	Utecht-Jarzyńska Greta, Shi Shicheng, Gao Pengcheng, **Jarzyński Szymon,** Mahbubur Rahman Md., Lalancette Roger, Szostak Roman, Szostak Michal: IPr*F – Highly Hindered, Fluorinated N-Heterocyclic Carbenes, Chemistry-A European Journal, Wiley - V C H Verlag GmbH & Co. KGaA, vol. 30, nr 64, 2024, Numer artykułu: e202402847, DOI:10.1002/chem.202402847	140
140	Utecht-Jarzyńska Greta, **Jarzyński Szymon,** Mahbubur Rahman Md., Meng Guangrong, Lalancette Roger, Szostak Roman, Szostak Michal: IPr# Complexes─Highly-Hindered, Sterically-Bulky Cu(I) and Ag(I) N-Heterocyclic Carbenes: Synthesis, Characterization, and Reactivity, Organometallics, American Chemical Society, vol. 43, nr 19, 2024, s. 2305-2313, DOI:10.1021/acs.organomet.4c00333	100
141	Waleed Hadeer Q., Viskolcz Béla, Fiser Béla: Effect of 4-[2-(dimethylamino)ethyl]morpholine, and N,N-dimethylbenzylamine on urethane formation - A theoretical study, Catalysis Communications [Applied Catalysis O: Open], Elsevier, vol. 194, 2024, Numer artykułu: 207002, s. 1-5, DOI:10.1016/j.apcato.2024.207002	100
142	Waleed Hadeer Q., Hadjadj Rachid, Viskolcz Béla, Fiser Béla: Stoichiometric reaction and catalytic effect of 2-dimethylaminoethanol in urethane formation, Physical Chemistry Chemical Physics, RSC Publications, vol. 26, nr 8, 2024, s. 7103-7108, DOI:10.1039/d3cp05800j	100
143	Waleed Hadeer Q., Viskolcz Béla, Fiser Béla: Urethane Synthesis in the Presence of Organic Acid Catalysts—A Computational Study, Molecules, MDPI, vol. 29, nr 10, 2024, Numer artykułu: 2375, s. 1-11, DOI:10.3390/molecules29102375	140
144	Wasiak Joanna, Głowacka Pola, Pudlarz Agnieszka, **Pieczonka Adam M., Dzitko Katarzyna,** Szemraj Janusz Zbigniew, Witusik-Perkowska Monika: Lactic Acid Bacteria-Derived Postbiotics as Adjunctive Agents in Breast Cancer Treatment to Boost the Antineoplastic Effect of a Conventional Therapeutic Comprising Tamoxifen and a New Drug Candidate: An Aziridine-Hydrazide Hydrazone Derivative, Molecules, MDPI, vol. 29, nr 10, 2024, Numer artykułu: 2292, s. 1-18, DOI:10.3390/molecules29102292	140

145	Wawer Jarosław, Kaczkowska Emilia, **Tyczyńska Magdalena, Jóźwiak Małgorzata,** Krakowiak Joanna: Solvation phenomena in ternary system tetramethylurea-methylacetamide-water: Insights from volumetric, compressibility and FTIR analysis, Journal of Molecular Liquids, Elsevier BV, vol. 415, nr B, 2024, Numer artykułu: 126436, s. 1-12, DOI:10.1016/j.molliq.2024.126436	100
146	Wojciechowski Jarosław, **Szwabińska Katarzyna,** Fic Krzysztof, Lota Grzegorz: Interfacial Insights into the Polarization Protocol: Toward Reducing Corrosion and Improving the Cycle Life of Electrochemical Capacitors, ACS Applied Materials & Interfaces, American Chemical Society, vol. 16, nr 21, 2024, s. 27242-27253, DOI:10.1021/acsami.4c00767	200
147	**Woszczyk Maciej,** Pociecha Damian, **Bartos Paulina,** Kaszyński Piotr: Smectic behaviour of α,ω-alkanediol diesters of a partially fluorinated 4-dodecyloxybenzoic acid: the odd-even effect, Liquid Crystals, Taylor&Francis, vol. 51, nr 2, 2024, s. 163-167, DOI:10.1080/02678292.2023.2283743	100
148	Wręczycki Jakub, Bieliński Dariusz M., Gozdek Tomasz, **Mlostoń Grzegorz:** Vulcanization of styrene–butadiene rubber with the use of polysulfide sulfur donors of controlled structure, Rubber Chemistry and Technology, vol. 97, nr 1, 2024, s. 75-89, DOI:10.5254/rct.24.084051	70
149	**Wzgarda-Raj Kinga, Olszewski Adrian, Palusiak Marcin:** The pattern of bifurcated hydrogen bonds in thiourea cocrystals with diazine derivatives: experimental and quantum theoretical studies, Acta Crystallographica Section C-Structural Chemistry, vol. 80, nr 8, 2024, s. 434-439, DOI:10.1107/s2053229624006259	140
150	Zhou Tongliang, Utecht-Jarzyńska Greta, Szostak Michal: Ring-expanded N-heterocyclic carbene (reNHC) complexes: Applications in transition metal catalysis, Coordination Chemistry Reviews, Elsevier BV, vol. 512, 2024, Numer artykułu: 215867, s. 1-58, DOI:10.1016/j.ccr.2024.215867	200
2023		
Książki autorskie		
1	**Krzyczmonik Paweł, Burnat Barbara, Domagała Sławomir, Leniart Andrzej:** Elektrochemia: wybrane zagadnienia z ćwiczeniami, 2023, Wydawnictwo Uniwersytetu Łódzkiego, ISBN 978-83-8331-240-8, [978-83-8331-241-5], 218 s. DOI:10.18778/8331-240-8	—
Książki redagowane		
1	**Brycht Mariola, Burnat Barbara, Leniart Andrzej** (red.): XIV Sesja Magistrantów i Doktorantów Łódzkiego Środowiska Chemików. Książka abstraktów. I Ty możesz zostać gwiazdą nauki, 2023, Wydawnictwo Uniwersytetu Łódzkiego, ISBN 978-83-8331-248-4, 88 s. DOI:10.18778/8331-248-4	—
Artykuły z czasopism		
1	**Brycht Mariola, Kowalewska Karolina, Skrzypek Sławomira,** Mirčeski Valentin: Electroanalytical Study of Fungicide Bixafen on Paste Electrode Based on the Thermally Reduced Graphene Oxide Synthesized in Air Conditions and its Determination in River Water Samples, Electroanalysis, Wiley - V C H Verlag GmbH & Co. KGaA, vol. 35, nr 4, 2023, Numer artykułu: e202200398, s. 1-10, DOI:10.1002/elan.202200398	70
2	**Brycht Mariola, Skrzypek Sławomira,** Mirceski Valentin: Improved procedure for square-wave voltammetric sensing of fenhexamid residues on blueberries peel surface at the anodically pretreated boron-doped diamond electrode, Analytica Chimica Acta, vol. 1249, 2023, Numer artykułu: 340936, s. 1-9, DOI:10.1016/j.aca.2023.340936	140

3	Camargo Bruno, Zajcewa Irina, Pietrzak Anna, **Obijalska Emilia,** Szczytko Jacek, Kaszyński Piotr: Thermally induced dimensionality changes in derivatives of a "super stable" Blatter radical, Physical Chemistry Chemical Physics, RSC Publications, vol. 25, nr 34, 2023, 22813–22818, DOI:10.1039/d3cp01298k	100
4	Chorobiński Mateusz, Śmiałek Paulina, Gordel-Wójcik Marta, Petrusevich Elizaveta F., Zych Eugeniusz, **Plażuk Damian,** Skowronski Lukasz, Jędrzejewska Beata: Photophysical and optical properties of 4-(4'-(diphenylamino)benzylidene)-2-phenyloxazol-5(4H)-ones induced by the peripheral substituent, Journal of Luminescence, vol. 255, 2023, Numer artykułu: 119584, s. 1-13, DOI:10.1016/j.jlumin.2022.119584	100
5	**Czarny-Krzymińska Karolina, Krawczyk Barbara, Szczukocki Dominik:** Bisphenol A and its substitutes in the aquatic environment: Occurrence and toxicity assessment, Chemosphere, vol. 315, 2023, Numer artykułu: 137763, s. 1-26, DOI:10.1016/j.chemosphere.2023.137763	140
6	Daolio Andrea, Pizzi Andrea, Nayak Susanta K., **Dominikowska Justyna,** Terraneo Giancarlo, Metrangolo Pierangelo, Resnati Giuseppe: Fluoride Anions: Unexploited but Effective Halogen Bond Acceptors, Chemistry-An Asian Journal, Wiley-VCH Verlag, vol. 18, nr 17, 2023, Numer artykułu: e202300520, s. 1-6, DOI:10.1002/asia.202300520	100
7	Dobó Máté, Ádám Márk, Fiser Béla, Papp Lajos Attila, Dombi Gergely, Sekkoum Khaled, Szabó Zoltán-István, Tóth Gergő: Enantioseparation and molecular docking study of selected chiral pharmaceuticals on a commercialized phenylcarbamate-β-cyclodextrin column using polar organic mode, Scientific Reports, Nature Publishing Group, vol. 13, nr 1, 2023, Numer artykułu: 14778, s. 1-14, DOI:10.1038/s41598-023-41941-5	140
8	Dombi Gergely, Horváth Péter, Fiser Béla, Mirzahosseini Arash, Dobó Máté, Szabó Zoltán-István, Tóth Gergő: Enantioselective Human Serum Albumin Binding of Apremilast: Liquid Chromatographic, Fluorescence and Molecular Docking Study, International Journal of Molecular Sciences, Multidisciplinary Digital Publishing Institute (MDPI), vol. 24, nr 3, 2023, Numer artykułu: 2168, s. 1-15, DOI:10.3390/ijms24032168	140
9	Dresler Ewa, Woliński Przemysław, **Wróblewska Aneta,** Jasiński Radomir: On the Question of Zwitterionic Intermediates in the [3+2] Cycloaddition Reactions between Aryl Azides and Ethyl Propiolate, Molecules, MDPI, vol. 28, nr 24, 2023, Numer artykułu: 8152, s. 1-23, DOI:10.3390/molecules28248152	140
10	**Fenyk Anna,** Horak Wojciech, **Zieliński Marek:** Investigation the Effect of MR Fluid Composition on Properties at Low Strain Ranges, Materials, MDPI, vol. 16, nr 17, 2023, Numer artykułu: 5730, s. 1-13, DOI:10.3390/ma16175730	140
11	**Gaweł Marta, Piechocka Justyna, Głowacki Rafał:** "Superowoce" okiem chemika analityka, Analityka: nauka i praktyka, MALAMUT, vol. 2, 2023, s. 26-31	20
12	Głodek Marta, Petrusevich Elizaveta F., **Plażuk Damian,** Jacquemin Denis, Ośmiałowski Borys: Polyaromatic hydrocarbon antennas as tools for tuning properties of push-pull difluoroborates, Dyes and Pigments, Pergamon, vol. 212, 2023, Numer artykułu: 111112, s. 1-8, DOI:10.1016/j.dyepig.2023.111112	100
13	Gulaboski Rubin, Papakoca Kiro, Mircheski Valentin: Theoretical analysis of surface electrode reaction coupled with preceding chemical reaction under conditions of differential square-wave voltammetry, Journal of Solid State Electrochemistry, Springer, vol. 28, nr 5, 2023, s. 1547-1556, DOI:10.1007/s10008-023-05604-9	70
14	**Guziejewski Dariusz, Smarzewska Sylwia,** Mircheski Valentin: Analytical Aspects of Novel Techniques Derived from Square-Wave Voltammetry, Journal of the Electrochemical Society, vol. 170, nr 6, 2023, Numer artykułu: 066503, s. 1-11, DOI:10.1149/1945-7111/acd875	100

15	Hietsoi Oleksandr, Kapuściński Szymon P., Friedli Andrienne C., Kaszyński Piotr: [closo-B10H8-1,10-(NHC(NH2)Me)2]: A rare zwitterionic amidinium derivative, Journal of Molecular Structure, Elsevier BV, vol. 1284, 2023, Numer artykułu: 135324, s. 1-6, DOI:10.1016/j.molstruc.2023.135324	70
16	**Hoelm Marta, Adamczyk Justyna, Wzgarda-Raj Kinga, Palusiak Marcin:** Effect of a Substituent on the Properties of Salicylaldehyde Hydrazone Derivatives, Journal of Organic Chemistry, vol. 88, nr 4, 2023, s. 2132-2139, DOI:10.1021/acs.joc.2c02547	140
17	Hornyák-Mester Enikő, Mentes Dóra, Farkas László, Hatvani-Nagy Alpár Ferencz, Varga Miklós, Viskolcz Béla, Muránszky Gábor, Fiser Béla: Volatile emissions of flexible polyurethane foams as a function of time, Polymer Degradation and Stability, Elsevier, vol. 216, 2023, Numer artykułu: 110507, s. 1-9, DOI:10.1016/j.polymdegradstab.2023.110507	100
18	Ivanovski Vladimir, Festinger Natalia, **Karpowicz Rafał, Tokarz Paweł,** Spilarewicz Kaja, **Guziejewski Dariusz, Smarzewska Sylwia:** Tailoring Electrochemical Activity of Acemetacin with Electrocatalytic Properties of Graphene Derivatives, Journal of the Electrochemical Society, vol. 170, nr 5, 2023, Numer artykułu: 057503, s. 1-10, DOI:10.1149/1945-7111/acd0db	100
19	Jakab-Nácsa Alexandra, Garami Attila, Fiser Béla, Farkas László, Viskolcz Béla: Towards Machine Learning in Heterogeneous Catalysis—A Case Study of 2,4-Dinitrotoluene Hydrogenation, International Journal of Molecular Sciences, Multidisciplinary Digital Publishing Institute (MDPI), vol. 24, nr 14, 2023, Numer artykułu: 11461, s. 1-13, DOI:10.3390/ijms241411461	140
20	Jakub Wręczycki, Bieliński Dariusz M., Marcin Kozanecki, **Mlostoń Grzegorz,** Strzelec Krzysztof: An efficient ring-opening copolymerization of thiiranes with elemental sulfur in the presence of the fluoride anion.., Polymer, Elsevier B.V., vol. 267, 2023, Numer artykułu: 125638, s. 1-10, DOI:10.1016/j.polymer.2022.125638	100
21	**Jarzyński Szymon,** Rapacz Anna, Dziubina Anna, Pękala Elżbieta, Popiół Justyna, Piska Kamil, Wojtulewski Sławomir, **Rudolf Bogna:** Mechanochemical synthesis and anticonvulsant activity of 3-aminopyrrolidine-2,5-dione derivatives, Biomedicine & Pharmacotherapy, vol. 168, 2023, Numer artykułu: 115749, s. 1-14, DOI:10.1016/j.biopha.2023.115749	140
22	Jerczynski Krzysztof, Muszynska Julita, Demirci Gokhan, Cetinkaya Onur, Filipczak Paulina, Nowaczyk Grzegorz, **Grobelny Jarosław,** Matyjaszewski Krzysztof, Kozanecki Marcin, Pietrasik Joanna: Hybrid silver nanoparticles with controlled morphology as efficient substrates for surface-enhanced Raman scattering, Polymer, Elsevier B.V., vol. 285, 2023, Numer artykułu: 126363, DOI:10.1016/j.polymer.2023.126363	100
23	Jilili J., Tolbatov I., Cossu F., Rahaman A., Fiser Béla, Upadhyay Kahaly M.: Atomic scale interfacial magnetism and origin of metal-insulator transition in (LaNiO3)n/(CaMnO3)m superlattices: a first principles study, Scientific Reports, Nature Publishing Group, vol. 13, 2023, Numer artykułu: 5056, s. 1-12, DOI:10.1038/s41598-023-30686-w	140
24	**Jóźwiak Małgorzata, Trzmielak Monika A., Wasiak Michał, Ładzik-Dychto Katarzyna:** Composition of the Solvation Shell of the Selected Cyclic Ethers (1,4-Dioxane, 12-Crown-4, 15-Crown-5 and 18-Crown-6) in a Mixture of Formamide with Water at Four Temperatures, Molecules, vol. 28, nr 5, 2023, Numer artykułu: 2169, s. 1-14, DOI:10.3390/molecules28052169	140
25	**Jóźwiak Małgorzata, Trzmielak Monika A., Wasiak Michał:** Effect of the Temperature on the Process of Preferential Solvation of 1,4-Dioxane, 12-Crown-4, 15-Crown-5 and 18-Crown-6 Ethers in the Mixture of N-Methylformamide with Water: Composition of the Solvation Shell of the Cyclic Ethers, International Journal of Molecular Sciences, Multidisciplinary Digital Publishing Institute (MDPI), vol. 24, nr 10, 2023, Numer artykułu: 8934, s. 1-16, DOI:10.3390/ijms24108934	140

26	**Jóźwiak Małgorzata, Komudzińska Marlena, Tyczyńska Magdalena:** The Group Contribution to the Function Derived from Density and Speed-of-Sound Measurements for Glymes in N,N-Dimethylformamide + Water Mixtures, Molecules, vol. 28, nr 4, 2023, Numer artykułu: 1519, s. 1-23, DOI:10.3390/molecules28041519	140
27	**Juszczak Michał, Das Sujoy, Kosińska Aneta, Rybarczyk-Pirek Agnieszka J., Wzgarda-Raj Kinga, Tokarz Paulina,** Vasudevan Saranya, Chworos Arkadiusz, **Woźniak Katarzyna, Rudolf Bogna:** Piano-stool ruthenium(II) complexes with maleimide and phosphine or phosphite ligands: synthesis and activity against normal and cancer cells, Dalton Transactions, RSC Publications, vol. 52, nr 13, 2023, s. 4237-4250, DOI:10.1039/d2dt04083b	140
28	**Kciuk Mateusz, Malinowska Martyna, Gielecińska Adrianna,** Sundaraj Rajamanikandan, Mujwar Somdutt, **Zawisza Anna, Kontek Renata:** Synthesis, Computational, and Anticancer In Vitro Investigations of Aminobenzylnaphthols Derived from 2-Naphtol, Benzaldehydes, and α-Aminoacids via the Betti Reaction, Molecules, MDPI, vol. 28, nr 20, 2023, Numer artykułu: 7230, s. 1-31, DOI:10.3390/molecules28207230	140
29	Khan Saraf, **Ullah Nabi,** Mahmood Asim, Saad Muhammad, Ullah Zakir, Ahmad Waqar, Ullah Sami: Recent Advancements in the Synthetic Mechanism and Surface Engineering of Transition Metal Selenides for Energy Storage and Conversion Applications, Energy Technology, Wiley - VCH Verlag GmbH & CO. KGaA, vol. 11, nr 4, 2023, Numer artykułu: 2201416, s. 1-37, DOI:10.1002/ente.202201416	100
30	**Kinart Zdzisław:** Conductometric Studies of Formation the Inclusion Complexes of Phenolic Acids with β-Cyclodextrin and 2-HP-β-Cyclodextrin in Aqueous Solutions, Molecules, vol. 28, nr 1, 2023, Numer artykułu: 292, s. 1-14, DOI:10.3390/molecules28010292	140
31	**Kinart Zdzisław:** Electrical Conductivity of Ionic Liquids 1-Hexyl-3-Methylimidazolium Chloride (HMIM) and 1-Methyl-3-Octylimidazolium Chloride (OMIM) in Mixtures with Selected Alkoxy Alcohols over a Wide Temperature Range, Molecules, MDPI, vol. 28, nr 23, 2023, Numer artykułu: 7831, s. 1-15, DOI:10.3390/molecules28237831	140
32	**Kinart Zdzisław:** Stability of the Inclusion Complexes of Dodecanoic Acid with α-Cyclodextrin, β-Cyclodextrin and 2-HP-β-Cyclodextrin, Molecules, vol. 28, nr 7, 2023, Numer artykułu: 3113, s. 1-13, DOI:10.3390/molecules28073113	140
33	Klajmon Adrianna, **Głowacki Rafał, Piechocka Justyna,** Kopiński Piotr, Ząbczyk Michał, Natorska Joanna: Plasma thiol levels and methylenetetrahydrofolate reductase gene c.665C > T and c.1286A > C variants affect fibrin clot properties in Polish venous thromboembolic patients, Molecular Genetics and Metabolism, vol. 139, nr 3, 2023, Numer artykułu: 107623, s. 1-6, DOI:10.1016/j.ymgme.2023.107623	100
34	Klun Urša, Zorko David, Stojanov Leon, Mircheski Valentin, Jovanovski Vasko: Amperometric sensor for gaseous H2O2 based on copper redox mediator incorporated electrolyte, Sensors and Actuators Reports, Elsevier, vol. 5, 2023, Numer artykułu: 100144, s. 1-6, DOI:10.1016/j.snr.2023.100144	20
35	Kokoskarova Pavlinka, Stojanov Leon, Najkov Kosta, Ristovska Natasha, Ruskovska Tatjana, **Skrzypek Sławomira,** Mirceski Valentin: Square-wave voltammetry of human blood serum, Scientific Reports, Nature Publishing Group, vol. 13, nr 1, 2023, Numer artykułu: 8485, s. 1-11, DOI:10.1038/s41598-023-34350-1	140
36	**Kośka Izabella, Kubalczyk Paweł:** Development of the Chromatographic Method for Simultaneous Determination of Azaperone and Azaperol in Animal Kidneys and Livers, International Journal of Molecular Sciences, Multidisciplinary Digital Publishing Institute (MDPI), vol. 24, nr 1, 2023, Numer artykułu: 100, s. 1-13, DOI:10.3390/ijms24010100	140

37	**Kośka Izabella, Kubalczyk Paweł, Cichomski Michał, Kisielewska Aneta:** The Use of Extraction on C18-Silica-Modified Magnetic Nanoparticles for the Determination of Ciprofloxacin and Ofloxacin in Meat Tissues, Molecules, MDPI, vol. 28, nr 16, 2023, Numer artykułu: 6123, s. 1-13, DOI:10.3390/molecules28166123	140
38	Kovalenya T. A., Ilyich T. V., Lapshina E. A., **Stępniak A., Palecz B.,** Zavodnik I. B.: Complexations of β-cyclodextrins with naringenin, naringin and catechin: thermodynamic parameters and regulation of mitochondrial functions in vitro, Physics and Chemistry of Liquids, vol. 61, nr 1, 2023, s. 59-74, DOI:10.1080/00319104.2022.2103814	40
39	**Kowalczyk Anna, Świątek Kamil, Celeda Małgorzata, Utecht-Jarzyńska Greta,** Jaskulska Agata, Gach-Janczak Katarzyna, **Jasiński Marcin Paweł:** Trifluoromethylated 4,5-dihydro-1,2,4-triazin-6(1H)-ones via (3+3)-annulation of nitrile imines with α-amino esters, Materials, MDPI, vol. 16, nr 2, 2023, Numer artykułu: 856, s. 1-19, DOI:10.3390/ma16020856	140
40	**Kowalczyk Anna, Utecht-Jarzyńska Greta, Jasiński Marcin:** ω-(3-Trifluoromethylpyrazol-4-yl)alkanoic acids via (3 + 2)-cycloaddition of nitrile imines with cyclic enones and deacylative aromatization, Journal of Fluorine Chemistry, Elsevier BV, vol. 272, 2023, Numer artykułu: 110206, s. 1-9	70
41	**Kowalczyk Karolina, Błauż Andrzej,** Ayine-Tora Daniel Moscoh, Hartinger Christian, **Rychlik Błażej, Plażuk Damian:** Design, Synthesis and Evaluation of Biological Activity of Ferrocene-Ispinesib Hybrids - Impact of a Ferrocenyl Group on the Antiproliferative and KSP Inhibitory Activity, Chemistry-A European Journal, Wiley - V C H Verlag GmbH & Co. KGaA, vol. 29, nr 49, 2023, Numer artykułu: e202300813, s. 1-11, DOI:10.1002/chem.202300813	140
42	**Kowalewska Karolina, Kwaczyński Karolina,** Tarabet Madjid, **Sobczak Karolina, Leniart Andrzej, Skrzypek Sławomira,** Dossot Manuel, Herzog Grégoire, **Półtorak Łukasz:** Interfacial polycondensation of polyamides studied at the electrified liquid-liquid interface, Electrochimica Acta, Pergamon, vol. 468, 2023, Numer artykułu: 143139, DOI:10.1016/j.electacta.2023.143139	100
43	Kowalski Jakub, Rylska Dorota, Januszewicz Bartłomiej, Konieczny Bartlomiej, **Cichomski Michał,** Matinlinna Jukka P., Radwanski Mateusz, Sokolowski Jerzy, Lukomska-Szymanska Monika: Corrosion Resistance of Titanium Dental Implant Abutments: Comparative Analysis and Surface Characterization, Materials, MDPI, vol. 16, nr 20, 2023, Numer artykułu: 6624, s. 1-16, DOI:10.3390/ma16206624	140
44	Kowalski Jakub, Puszkarz Adam K., Radwanski Mateusz, Sokolowski Jerzy, **Cichomski Michał,** Bourgi Rim, Hardan Louis, Sauro Salvatore, Lukomska-Szymanska Monika: Micro-CT Evaluation of Microgaps at Implant-Abutment Connection, Materials, MDPI, vol. 16, nr 12, 2023, Numer artykułu: 4491, s. 1-14, DOI:10.3390/ma16124491	140
45	**Kowalski Konrad:** A brief survey on the application of metal-catalyzed azide–alkyne cycloaddition reactions to the synthesis of ferrocenyl-x-1,2,3-triazolyl-R (x = none or a linker and R = organic entity) compounds with anticancer activity, Coordination Chemistry Reviews, Elsevier BV, vol. 479, 2023, Numer artykułu: 214996, s. 1-30, DOI:10.1016/j.ccr.2022.214996	200
46	**Kowalski Konrad:** Synthesis and chemical transformations of glycol nucleic acid (GNA) nucleosides, Bioorganic Chemistry, vol. 141, 2023, Numer artykułu: 106921, s. 1-18, DOI:10.1016/j.bioorg.2023.106921	140
47	**Krawczyk Barbara, Zięba Natalia, Kaźmierczak Andrzej, Czarny-Krzymińska Karolina, Szczukocki Dominik:** Growth inhibition, oxidative stress and characterisation of mortality in green algae under the influence of beta-blockers and non-steroidal anti-inflammatory drugs, Science of the Total Environment, vol. 896, 2023, Numer artykułu: 165019, s. 1-11, DOI:10.1016/j.scitotenv.2023.165019	200

48	**Krzyczmonik Paweł, Klisowska Marta, Leniart Andrzej, Ranoszek-Soliwoda Katarzyna,** Surmacki Jakub, Beton-Mysur Karolina, Brożek-Płuska Beata: The Composite Material of (PEDOT-Polystyrene Sulfonate)/Chitosan-AuNPS-Glutaraldehyde/as the Base to a Sensor with Laccase for the Determination of Polyphenols, Materials, MDPI, vol. 16, nr 14, 2023, Numer artykułu: 5113, s. 1-18, DOI:10.3390/ma16145113	140
49	Krzyzowska Malgorzata, Janicka Martyna, Chodkowski Marcin, Patrycy Magdalena, Obuch-Woszczatyńska Oliwia, **Tomaszewska Emilia, Ranoszek-Soliwoda Katarzyna, Celichowski Grzegorz, Grobelny Jarosław:** Epigallocatechin Gallate-Modified Silver Nanoparticles Show Antiviral Activity against Herpes Simplex Type 1 and 2, Viruses, MDPI, vol. 15, nr 10, 2023, Numer artykułu: 2024, s. 1-19, DOI:10.3390/v15102024	100
50	**Kurpet Katarzyna, Chwatko Grażyna:** Development of a new chromatographic method for the determination of bakuchiol in cosmetic products, Scientific Reports, Nature Publishing Group, vol. 13, nr 1, 2023, Numer artykułu: 13893, s. 1-11, DOI:10.1038/s41598-023-41076-7	140
51	**Kwaczyński Karolina, Szymaniec Olga Ludmiła,** Bobrowska Diana M., **Półtorak Łukasz:** Solvent-activated 3D-printed electrodes and their electroanalytical potential, Scientific Reports, Nature Publishing Group, vol. 13, nr 1, 2023, Numer artykułu: 22797 , s. 1-14, DOI:10.1038/s41598-023-49599-9	140
52	La Manna Sara, Roviello Valentina, Napolitano Fabiana, Malfitano Anna Maria, Monaco Vittoria, Merlino Antonello, Monti Maria, **Kowalski Konrad, Szczupak Łukasz,** Marasco Daniela: Metal-Complexes Bearing Releasable CO Differently Modulate Amyloid Aggregation, Inorganic Chemistry, American Chemical Society, vol. 62, nr 26, 2023, s. 10470-10480, DOI:10.1021/acs.inorgchem.3c01522	140
53	**Łomzik Michał, Błauż Andrzej, Głodek Marta,** Makal Anna, Tchoń Daniel, Ayine-Tora Daniel Moscoh, Hartinger Christian, **Rychlik Błażej, Plażuk Damian:** Organometallic Ru, Os, Rh and Ir half-sandwich conjugates of ispinesib - impact of the organometallic group on the antimitotic activity, Dalton Transactions, RSC Publications, vol. 52, nr 34, 2023, s. 11859-11874, DOI:10.1039/d3dt01217d	140
54	Mahmood Asim, Khan Saraf, Rahayu Farida, Shah Anwar Ul Haq Ali, Rahman Ata Ur, Muhammad Taj, Khan Adnan, **Ullah Nabi:** Factors Effecting and Structural Engineering of Molybdenum Nitride-Based Electrocatalyst for Overall Water Splitting: A Critical Review, Energy Technology, Wiley - VCH Verlag GmbH & CO. KGaA, vol. 11, nr 7, 2023, Numer artykułu: 2300182, s. 1-39, DOI:10.1002/ente.202300182	100
55	Mala Nazir Ahmad, Rather Mehraj ud Din, Ali Raja Nisar, Hussain Shahid, Ibrahim Sobhy M., **Ullah Nabi,** Husain Shahid, Ahmad Zubair: Unravelling the structure and electrochemical performance of Mo–Cu dual-doped NiO nanorod shaped electrodes for supercapacitor application, International Journal of Hydrogen Energy, vol. 48, nr 84, 2023, s. 32739-32755, DOI:10.1016/j.ijhydene.2023.05.068	140
56	**Malinowska Martyna, Zawisza Anna:** Development of Bifunctional Chiral Thioureas and Thiosquaramides in the Synthesis of Betti Bases, Molecules, MDPI, vol. 28, nr 23, 2023, Numer artykułu: 7835, s. 1-16, DOI:10.3390/molecules28237835	140
57	Manaf Bazilah Awang Abd, Hong Shyang Pei, **Rizwan Mohammad,** Arshad Fareeha, Gwenin Christopher, Ahmed Minhaz Uddin: Recent advancement in sensitive detection of carcinoembryonic antigen using nanomaterials based immunosensors, Surfaces and Interfaces, Elsevier BV, vol. 36, 2023, Numer artykułu: 102596, s. 1-17, DOI:10.1016/j.surfin.2022.102596	70
58	Markowska Joanna, Tyfa Agnieszka, Drabent Anna, **Stępniak Artur:** The Physicochemical Properties and Melting Behavior of Ice Cream Fortified with Multimineral Preparation from Red Algae, Foods, Molecular Diversity Preservation International (MDPI), vol. 12, nr 24, 2023, Numer artykułu: 4481, s. 1-21, DOI:10.3390/foods12244481	140

59	**Matczak Piotr, Domagała Sławomir,** Weigand Wolfgang, **Mlostoń Grzegorz:** A comparative analysis of UV–vis transitions in hetaryl and ferrocenyl thioketones, Chemical Physics, vol. 570, 2023, Numer artykułu: 111901, s. 1-7, DOI:10.1016/j.chemphys.2023.111901	70
60	**Matczak Piotr:** Interplay between different metal–ligand binding modes in tin(II) complexes with pyridine, Computational and Theoretical Chemistry, Elsevier, vol. 1226, 2023, Numer artykułu: 114192, s. 1-7, DOI:10.1016/j.comptc.2023.114192	40
61	Materak Kalina, Wieczorek Alicja, Bednarska Dalia, Chałupka-Śpiewak Karolina, **Małecka Magdalena, Buczkowski Adam,** Koniorczyk Marcin: Novel application of potassium methylsiliconate in cement-based materials: Retarding of hydration process and improvement of compressive strength, Construction and Building Materials, vol. 406, 2023, Numer artykułu: 133400, s. 1-12, DOI:10.1016/j.conbuildmat.2023.133400	140
62	Mentes Dóra, Nagy Gábor, Szabó Tamás J., Hornyák-Mester Enikő, Fiser Béla, Viskolcz Béla, Póliska Csaba: Combustion behaviour of plastic waste - A case study of PP, HDPE, PET, and mixed PES-EL, Journal of Cleaner Production, Elsevier BV, vol. 402, 2023, Numer artykułu: 136850, s. 1-9, DOI:10.1016/j.jclepro.2023.136850	140
63	**Merecz-Sadowska Anna,** Sitarek Przemysław, **Kowalczyk Tomasz, Palusiak Marcin, Hoelm Marta,** Zajdel Karolina, **Zajdel Radosław:** In vitro evaluation and In Silico calculations of the antioxidant and anti-inflammatory properties of secondary metabolites from Leonurus sibiricus L. root extracts, Molecules, MDPI, vol. 28, nr 18, 2023, Numer artykułu: 6550, s. 1-18, DOI:10.3390/molecules28186550	140
64	**Miękoś Ewa, Zieliński Marek, Cichomski Michał,** Klepka Tomasz, Czarnecka-Komorowska Dorota, **Sroczyński Dariusz, Fenyk Anna:** Constant Magnetic Field as a Tool for Modification of the Properties of Polymer Composites with Silicone Rubber Matrix, International Journal of Molecular Sciences, MDPI, vol. 24, nr 23, 2023, Numer artykułu: 16625, s. 1-18, DOI:10.3390/ijms242316625	140
65	**Miękoś Ewa, Zieliński Marek, Sroczyński Dariusz, Fenyk Anna:** Separation Technology of Components of Waste Pharmaceutical Blisters, Ecological Chemistry and Engineering S, Sciendo, vol. 30, nr 3, 2023, s. 429-442, DOI:10.2478/eces-2023-0034	200
66	Mircheski Valentin, Gulaboski Rubin, Compton Richard G.: Distinguishing Heterogeneous and Homogeneous CE Mechanisms: Theoretical Insights into Square-Wave Voltammetry, The Journal of Physical Chemistry Part C: Nanomaterials, Interfaces and Hard Matter, American Chemical Society, vol. 127, nr 7, 2023, s. 3437-3443, DOI:10.1021/acs.jpcc.2c07298	140
67	**Mlostoń Grzegorz, Urbaniak Katarzyna, Palusiak Marcin,** Witczak Zbigniew J., Würthwein Ernst-Ulrich: (3+2)-Cycloadditions of Levoglucosenone (LGO) with Fluorinated Nitrile Imines Derived from Trifluoroacetonitrile: An Experimental and Computational Study, Molecules, MDPI, vol. 28, nr 21, 2023, Numer artykułu: 7348, s. 1-15, DOI:10.3390/molecules28217348	140
68	**Mlostoń Grzegorz,** Wręczycki Jakub, **Robak Amelia, Urbaniak Katarzyna,** Bieliński Dariusz M., **Palusiak Marcin,** Sutuła Szymon, Woźniak Krzysztof, Heimgartner Heinz: Expedient sulfurization with elemental sulfur and an unexpected conversion of 2,3-diarylcyclopropenethiones using tetrabutylammonium fluoride (TBAF) as a source of the fluoride anion, Journal of Fluorine Chemistry, Elsevier BV, vol. 270, 2023, Numer artykułu: 110170, s. 1-7, DOI:10.1016/j.jfluchem.2023.110170	70
69	**Mlostoń Grzegorz, Celeda Małgorzata, Palusiak Marcin:** Higher-order [8+2]-cycloadditions of tropothione with levoglucosenone (LGO) and structurally similar exo-cyclic enones derived from cyrene, Carbohydrate Research, vol. 529, 2023, Numer artykułu: 108844, s. 1-8, DOI:10.1016/j.carres.2023.108844	100

70	**Moneta Marek, Wasiak Michał,** Sovak Pavol: Temperature dependence of structural and magnetic transformations in Finemet-type amorphous alloys with Fe substituted for La, Journal of Thermal Analysis and Calorimetry, Akademiai Kiado Rt., vol. 148, nr 4, 2023, s. 1577-1580, DOI:10.1007/s10973-022-11675-z	140
71	Munasinghe Don S., Kasper Marc-André, Jasiński Radomir, Kula Karolina, **Palusiak Marcin, Celeda Małgorzata, Mlostoń Grzegorz,** Hackenberger Christian P. R.: (3+2)-Cyclization Reactions of Unsaturated Phosphonites with Aldehydes and Thioketones, Chemistry-A European Journal, Wiley - V C H Verlag GmbH & Co. KGaA, vol. 29, nr 33, 2023, Numer artykułu: e202300806, s. 1-10, DOI:10.1002/chem.202300806	140
72	Nabeel Mohammed, Kuzsella László, Viskolcz Béla, Kollar Mariann, Fiser Béla, Vanyorek László: Synergistic effect of carbon nanotubes and carbon black as nanofillers of silicone rubber pressure sensors, Arabian Journal of Chemistry, vol. 16, nr 4, 2023, Numer artykułu: 104594, s. 1-14, DOI:10.1016/j.arabjc.2023.104594	70
73	Nawrocka Agnieszka, **Piwoński Ireneusz,** Nowak Joanna, Sauro Salvatore, García-Esparza María Angeles, Hardan Louis, Lukomska-Szymanska Monika: The Influence of Indirect Bonding Technique on Adhesion of Orthodontic Brackets and Post-Debonding Enamel Integrity - An In Vitro Study, Materials, MDPI, vol. 16, nr 22, 2023, Numer artykułu: 7202, s. 1-18, DOI:10.3390/ma16227202	140
74	**Nazarski Ryszard:** On the Use of Deuterated Organic Solvents without TMS to Report 1H/13C NMR Spectral Data of Organic Compounds: Current State of the Method, Its Pitfalls and Benefits, and Related Issues, Molecules, vol. 28, nr 11, 2023, Numer artykułu: 4369, s. 1-24, DOI:10.3390/molecules28114369	140
75	**Naziris Nikolaos,** Sekowski Szymon, Olchowik-Grabarek Ewa, **Buczkowski Adam, Balcerzak Łucja,** Pispas Stergios, **Małecka Magdalena, Bryszewska Maria, Ionov Maksim:** Biophysical interactions of mixed lipid-polymer nanoparticles incorporating curcumin: Potential as antibacterial agent, Biomaterials Advances, Elsevier B.V., vol. 144, 2023, Numer artykułu: 213200, s. 1-14, DOI:10.1016/j.bioadv.2022.213200	40
76	Nejman Alicja, Baranowska-Korczyc Anna, **Celichowski Grzegorz,** Cieślak Małgorzata: AgNWs–Silane Coatings for the Functionalization of Aramid Woven Fabrics, Coatings, Molecular Diversity Preservation International (MDPI), vol. 13, nr 11, 2023, Numer artykułu: 1852, s. 1-22, DOI:10.3390/coatings13111852	100
77	**Obijalska Emilia,** Pietrzak Anna, Constantinides Christos P., Sommer Roger D., Kaszyński Piotr: "Super stable" Blatter radicals through ArLi addition: surprising chemistry of 7-(trifluoromethyl)benzo[e][1,2,4]triazine, Chemical Communications, RSC Publications, vol. 59, nr 27, 2023, s. 4008-4011, DOI:10.1039/d3cc00832k	200
78	Petrusevich Elizaveta F., Głodek Marta, Antoniak Magda A., Muzioł Tadeusz, **Plażuk Damian,** Siomra Agnieszka, Nyk Marcin, Ośmiałowski Borys, Zaleśny Robert: Difluoroborate-based bichromophores: Symmetry relaxation and two-photon absorption, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Elsevier BV, vol. 295, 2023, Numer artykułu: 122600, s. 1-8, DOI:10.1016/j.saa.2023.122600	140
79	**Piechocka Justyna, Matwiej Natalia, Gaweł Marta,** Matyjaszczyk Michał, **Głowacki Rafał, Chwatko Grażyna:** Application of the HPLC-ELSD technique for the determination of major metabolites of ibuprofen and creatinine in human urine, Scientific Reports, Nature Publishing Group, vol. 13, nr 1, 2023, Numer artykułu: 20268, s. 1-14, DOI:10.1038/s41598-023-47594-8	140
80	**Piechocka Justyna, Owczarek Paulina, Chwatko Grażyna:** Furanokumaryny - naturalne związki organiczne o wielu właściwościach, Wiadomości Chemiczne, Polskie Towarzystwo Chemiczne (Warszawa), vol. 77, nr 9-10, 2023, s. 937-949	20

81	**Piechocka Justyna, Głowacki Rafał:** One-pot sample preparation procedure for the determination of protein N-linked homocysteine by HPLC-FLD based method, Journal of Chromatography B-Analytical Technologies in the Biomedical and Life Sciences, vol. 1228, 2023, Numer artykułu: 123835, s. 1-7, DOI:10.1016/j.jchromb.2023.123835	100
82	**Piechocka Justyna, Wyszczelska-Rokiel Monika, Głowacki Rafał:** Simultaneous determination of 2-(3-hydroxy-5-phosphonooxymethyl-2-methyl-4-pyridyl)-1,3-thiazolidine-4-carboxylic acid and main plasma aminothiols by HPLC–UV based method, Scientific Reports, Nature Publishing Group, vol. 13, nr 1, 2023, Numer artykułu: 9294, s. 1-12, DOI:10.1038/s41598-023-36548-9	140
83	**Piechocka Justyna, Głowacki Rafał:** Up-to-date knowledge about analytical methods for homocysteine thiolactone determination in biological samples, Trac-Trends in Analytical Chemistry, Elsevier BV, vol. 159, 2023, Numer artykułu: 116906, s. 1-15, DOI:10.1016/j.trac.2022.116906	200
84	Piekuś-Słomka Natalia, **Małecka Magdalena,** Wierzchowski Marcin, Kupcewicz Bogumiła: Systematic Study of Solid-State Fluorescence and Molecular Packing of Methoxy-trans-Stilbene Derivatives, Exploration of Weak Intermolecular Interactions Based on Hirshfeld Surface Analysis, International Journal of Molecular Sciences, Multidisciplinary Digital Publishing Institute (MDPI), vol. 24, nr 8, 2023, Numer artykułu: 7200, s. 1-23, DOI:10.3390/ijms24087200	140
85	Pilarz Jeremiasz, Feder-Kubis Joanna, Postnikov Eugene, Melent'ev Vyacheslav V., Ryshkova Olga S., Korotkovskii Vadim I., Radchenko Anton K., **Wasiak Michał,** Polishuk Ilya, Chorążewski Mirosław: Speeds of sound and densities in imidazolium-based ionic liquids under elevated pressures: New experimental data and modelling by spinodal method and CP-PC-SAFT, Journal of Chemical Thermodynamics, Academic Press, vol. 176, 2023, Numer artykułu: 106905, s. 1-8, DOI:10.1016/j.jct.2022.106905	100
86	Postnikov Eugene B., **Wasiak Michał,** Bartoszek Mariola, Polak Justyna, Zyubin Andrey, Lavrova Anastasia I., Chorążewski Mirosław: Accessing Properties of Molecular Compounds Involved in Cellular Metabolic Processes with Electron Paramagnetic Resonance, Raman Spectroscopy, and Differential Scanning Calorimetry, Molecules, MDPI, vol. 28, nr 17, 2023, Numer artykułu: 6417, s. 1-27, DOI:10.3390/molecules28176417	140
87	Prekob Ádám, Szegedi Máté Péter, Muránszky Gábor, Kristály Ferenc, Nagy Miklós, Halasi Gyula, Szamosvölgyi Ákos, Fiser Béla, Viskolcz Béla, Vanyorek László: Development of Magnetizable, Nickel–Ferrite-Decorated Carbon Nanocomposites as Hydrogenation Catalyst for Aniline Synthesis, International Journal of Molecular Sciences, MDPI, vol. 24, nr 24, 2023, Numer artykułu: 17547, s. 1-16, DOI:10.3390/ijms242417547	140
88	Prywer Jolanta, **Torzewska Agnieszka, Cichomski Michał,** Michałowski Paweł Piotr: Insights into the physical and chemical properties of struvite crystal surfaces in terms of the effectiveness of bacterial adhesion, Scientific Reports, Nature Publishing Group, vol. 13, 2023, Numer artykułu: 5557, s. 1-9, DOI:10.1038/s41598-023-32758-3	140
89	Puiu Mihaela, Istrate Oana-Maria, Mircheski Valentin, Bala Camelia: Ultrasensitive Detection of Hydrogen Peroxide Using Methylene Blue Grafted on Molecular Wires as Nanozyme with Catalase-like Activity, Analytical Chemistry, vol. 95, nr 44, 2023, s. 16185-16193, DOI:10.1021/acs.analchem.3c02919	200
90	Qazi Raina Aman, **Ullah Nabi,** Bibi Naheed, Khattak Rozina, Jamila Nargis, Begum Bushra, Aman Nargis, Rahayu Farida, Karami Adam: Amine-Functionalized MWCNTs for the Removal of Mordant Black 11 Dye, Water Air and Soil Pollution, vol. 234, nr 10, 2023, Numer artykułu: 644, s. 1-12, DOI:10.1007/s11270-023-06662-5	70
91	**Rachwalski Michał:** Special Issue: Asymmetry and Symmetry in Organic Chemistry.., Symmetry, MDPI, vol. 15, nr 7, 2023, Numer artykułu: 1363, s. 1-2, DOI:10.3390/sym15071363	—

92	Rágyanszki Anita, Fiser Béla, Lee-Ruff Edward, Liebman Joel F.: Strained Small Nitrogen Heterocycles-Azabicyclobutanes and Azirines, ChemistrySelect, vol. 8, nr 26, 2023, Numer artykułu: e202301405, s. 1-13, DOI:10.1002/slct.202301405	40
93	Rahayu Farida, Mustafa Irfan, Marjani ., Rochman Fatkhur, Qazi Raina Aman, Zeb Khan, **Ullah Nabi:** Newly Isolated Ligninolytic Bacteria and Its Applications for Multiple Dye Degradation, Water Air and Soil Pollution, vol. 234, nr 6, 2023, Numer artykułu: 359, s. 1-11, DOI:10.1007/s11270-023-06377-7	70
94	Riganti Chiara, **Kowalski Konrad,** Kopecka Joanna: Editorial: Novel therapeutic approaches to target drug resistant tumors, Frontiers in Pharmacology, vol. 14, 2023, Numer artykułu: 1143981, s. 1-2, DOI:10.3389/fphar.2023.1143981	—
95	Rybczyński Patryk, Kaczmarek-Kędziera Anna, Iglesias-Reguant Alex, **Plażuk Damian,** Ośmiałowski Borys: Tautomeric Equilibrium in 1-Benzamidoisoquinoline Derivatives, Molecules, vol. 28, nr 3, 2023, Numer artykułu: 1101, s. 1-18, DOI:10.3390/molecules28031101	140
96	Seidenath Sebastian, Seeber Phillip, Kupfer Stephan, Gräfe Stefanie, Weigand Wolfgang, **Mlostoń Grzegorz, Matczak Piotr:** Theoretical insights into the spectroscopic properties of ferrocenyl hetaryl ketones.., Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Elsevier BV, vol. 296, 2023, Numer artykułu: 122635, s. 1-12, DOI:10.1016/j.saa.2023.122635	140
97	Shafa Muhammad, Ahmad Iqbal, Hussain Shahid, Asif Muhammad, Pan Yi, Zairov Rustem, Alothman Asma A., Ouladsmane Mohamed, Ullah Zahid, **Ullah Nabi:** Ag-Cu nanoalloys: An electrochemical sensor for H2O2 detection, Surfaces and Interfaces, Elsevier BV, vol. 36, 2023, Numer artykułu: 102616, s. 1-10, DOI:10.1016/j.surfin.2022.102616, łączna liczba autorów: *12*	70
98	Shankara Prasad Holehundi J., Kumar Haleyur G. Anil, Kumar Thaluru M. Mohan, Kavitha Channappa N., Devaraju -, Yathirajan Hemmige S., Parkin Sean R., **Chęcińska Lilianna:** Supramolecular characterisation of salts of 4-(2-methoxyphenyl)piperazin-1-ium and 4-phenylpiperazin-1-ium cations with simple-organic anions; a closer look at the binding energies of cation-anion pairs formed by charge-assisted (+)N–H···O(-) and (+)N–H···O hydrogen bonds, Journal of Molecular Structure, Elsevier BV, vol. 1292, 2023, Numer artykułu: 136193, s. 1-10, DOI:10.1016/j.molstruc.2023.136193	70
99	Shankara Prasad Holehundi J., Devaraju -, Murthy Subbaiah M., **Kaspiaruk Hanna,** Yathirajan Hemmige S., Foro Sabine, **Chęcińska Lilianna:** Syntheses, crystal structures and Hirshfeld surface analysis of 4-(4-nitrophenyl)piperazin-1-ium trifluoroacetate and 4-(4-nitrophenyl)piperazin-1-ium trichloroacetate, Acta Crystallographica Section E: Crystallographic Communications, International Union of Crystallography, vol. 79, nr 1, 2023, s. 1-7, DOI:10.1107/s2056989022011501	20
100	**Skiba Joanna, Kowalczyk Aleksandra,** Gorski Aleksander, Dutkiewicz Natalia, **Gapińska Magdalena,** Stróżek Józef, Woźniak Krzysztof, Trzybiński Damian, **Kowalski Konrad:** Replacement of the phosphodiester backbone between canonical nucleosides with a dirhenium carbonyl “click” linker—a new class of luminescent organometallic dinucleoside phosphate mimics, Dalton Transactions, RSC Publications, vol. 52, nr 6, 2023, s. 1551-1567, DOI:10.1039/d2dt03995h	140
101	Skrzypczak Natalia, **Buczkowski Adam,** Bohusz Wiktor, Nowak Ewelina, Tokarska Klaudia, Leśniewska Aleksandra, Alzebari Attaa Mohammed, Ruszkowski Piotr, Gdaniec Maria, Bartl Franz: Modifications of geldanamycin via CuAAC altering affinity to chaperone protein Hsp90 and cytotoxicity, European Journal of Medicinal Chemistry, vol. 256, 2023, Numer artykułu: 115450, s. 1-21, DOI:10.1016/j.ejmech.2023.115450, łączna liczba autorów: *11*	200

102	Słowiński Daniel, Świerczyńska Małgorzata, **Romański Jarosław,** Podsiadły Radosław: Sensitive Detection of Various Forms of Hydrogen Sulfide via Highly Selective Naphthalimide-Based Fluorescent Probe.., Molecules, MDPI, vol. 28, nr 17, 2023, Numer artykułu: 6299, s. 1-14, DOI:10.3390/molecules28176299	140
103	**Smarzewska Sylwia, Guziejewski Dariusz, Ullah Nabi, Koszelska Kamila:** Electrochemical Evaluation of Free Radical Scavenging Activity of Sesamol, Journal of the Electrochemical Society, vol. 170, nr 5, 2023, Numer artykułu: 055502, s. 1-6, DOI:10.1149/1945-7111/acd1b9	100
104	**Sobczak Karolina, Rudnicki Konrad,** Bobrowska Diana M., Kolivoska Viliam, **Poltorak Lukasz:** Bilirubin determination at the electrified liquid-liquid interface supported with a 3D printed capillary, Sensors and Actuators B - Chemical, Elsevier S.A., vol. 394, 2023, Numer artykułu: 134360, s. 1-13, DOI:10.1016/j.snb.2023.134360	200
105	Stelmaszczyk Paweł, **Kwaczyński Karolina, Rudnicki Konrad, Skrzypek Sławomira,** Wietecha-Posłuszny Renata, **Poltorak Lukasz:** Nitrazepam and 7-aminonitrazepam studied at the macroscopic and microscopic electrified liquid-liquid interface, Microchimica Acta, Springer Wien, vol. 190, nr 5, 2023, Numer artykułu: 182, s. 1-16, DOI:10.1007/s00604-023-05739-6	200
106	Stojanov Leon, Mircheski Valentin: A Theoretical and Experimental Square-Wave Voltammetric Study of Ascorbic Acid in Light of Multi-Step Electron Transfer Mechanism, Journal of the Electrochemical Society, vol. 170, nr 6, 2023, Numer artykułu: 065504, s. 1-10, DOI:10.1149/1945-7111/ace030	100
107	**Sudomir Urszula, Piechocka Justyna:** Herbata z cytryną - czy jest zdrowa?, Chemia w Szkole, vol. 1, 2023, s. 21-23	—
108	Szabó Zoltán-István, Boda Francisc, Fiser Béla, Dobó Máté, Szőcs Levente, Tóth Gergő: Chiral Separation of Oxazolidinone Analogs by Capillary Electrophoresis Using Anionic Cyclodextrins as Chiral Selectors: Emphasis on Enantiomer Migration Order, Molecules, MDPI, vol. 28, nr 11, 2023, Numer artykułu: 4530, s. 1-13, DOI:10.3390/molecules28114530	140
109	**Sztandera Krzysztof, Gorzkiewicz Michał,** Zizzi E.A., **Dybczak Natalia, Półtorak Łukasz,** Deriu M.A., **Klajnert-Maculewicz Barbara:** Cellular uptake of rose bengal is mediated by OATP1B1/1B3 transporters, Bioelectrochemistry, vol. 152, 2023, Numer artykułu: 108449, s. 1-11, DOI:10.1016/j.bioelechem.2023.108449	100
110	Świątczak Dominika, **Belica-Pacha Sylwia, Zawisza Anna, Kisielewska Aneta,** Światły-Błaszkiewicz Agata, Kupcewicz Bogumiała, Bartosewicz Bartosz, Jankiewicz Bartłomiej J., **Małecka Magdalena:** Comparative study of titanium dioxide to improve the quality of finished cosmetic products, International Journal of Cosmetic Science, vol. 45, nr 3, 2023, s. 315-328, DOI:10.1111/ics.12836	70
111	**Świątek Kamil, Utecht-Jarzyńska Greta, Palusiak Marcin,** Ma Jun-An, **Jasiński Marcin Paweł:** One-Pot Synthesis of 1-Aryl-3-trifluoromethylpyrazoles Using Nitrile Imines and Mercaptoacetaldehyde As a Surrogate of Acetylene, Organic Letters, vol. 25, nr 24, 2023, 4462–4467, DOI:10.1021/acs.orglett.3c01437	140
112	Świerczyńska Małgorzata, Słowiński Daniel, Michalski Radosław, **Romański Jarosław,** Podsiadły Radosław: A New and Fast-Response Fluorescent Probe for Monitoring Hypochlorous Acid Derived from Myeloperoxidase, Molecules, MDPI, vol. 28, nr 16, 2023, Numer artykułu: 6055, s. 1-17, DOI:10.3390/molecules28166055	140
113	Świerczyńska Małgorzata, Słowiński Daniel, Michalski Radosław, **Romański Jarosław,** Podsiadły Radosław: A thiomorpholine-based fluorescent probe for the far-red hypochlorous acid monitoring, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Elsevier BV, vol. 289, 2023, Numer artykułu: 122193, s. 1-9, DOI:10.1016/j.saa.2022.122193	140

114	Thbayh Dalal K., **Palusiak Marcin,** Viskolcz Béla, Fiser Béla: Comparative study of the antioxidant capability of EDTA and Irganox, Heliyon, Elsevier Ltd, vol. 9, nr 5, 2023, Numer artykułu: e16064, s. 1-10, DOI:10.1016/j.heliyon.2023.e16064	40
115	Thbayh Kifayah K., AlBadr Rafid M., Ziadan Kareema M., Fiser Béla: Expanding Potential Dental Applications of Glass Ionomer Cement by Incorporating with Nano-Hydroxyapatite, Karbala International Journal of Modern Science, vol. 9, nr 1, 2023, Numer artykułu: 10, s. 98-105, DOI:10.33640/2405-609x.3285	20
116	Tomaš Renato, Vraneš Milan, Krešo Antonija, **Kinart Zdzisław,** Borović Teona Teodora, Papović Snežana: Volumetric Properties of the Dilute Solutions of Imidazolium-Based Ionic Liquids in Butan-2-ol or Butan-2-one, Journal of Solution Chemistry, vol. 52, nr 1, 2023, s. 134-146, DOI:10.1007/s10953-022-01218-3	40
117	**Tyczyńska Magdalena, Dentkiewicz Aleksandra, Jóźwiak Małgorzata:** Thermodynamic and Thermal Analyze of N,N-Dimethylformamide + 1-Butanol Mixture Properties Based on Density, Sound Velocity and Heat Capacity Data, Molecules, vol. 28, nr 12, 2023, Numer artykułu: 4698, s. 1-21, DOI:10.3390/molecules28124698	140
118	**Ullah Nabi,** Ullah Sami, Khan Saraf, **Guziejewski Dariusz,** Mircheski Valentin: A review: Metal-organic framework based electrocatalysts for methanol electro-oxidation reaction, International Journal of Hydrogen Energy, vol. 48, nr 9, 2023, s. 3340-3354, DOI:10.1016/j.ijhydene.2022.10.200	140
119	**Ullah Nabi, Chmiel Sandra, Guziejewski Dariusz,** Khan Saraf, Hussain Shahid, **Małecka Magdalena:** Copper selenide nanobelts an electrocatalyst for methanol electro-oxidation reaction, Ionics, vol. 29, nr 12, 2023, s. 5363-5368, DOI:10.1007/s11581-023-05221-6	70
120	**Ullah Nabi, Guziejewski Dariusz, Barton Bartłomiej,** Mircheski Valentin: Electrocatalytic reduction of hydrogen peroxide in solution in the presence of polyacrylic acid and copper ions: Application for gaseous hydrogen peroxide detection, Journal of Electroanalytical Chemistry, vol. 951, 2023, Numer artykułu: 117918, s. 1-10, DOI:10.1016/j.jelechem.2023.117918	70
121	**Ullah Nabi, Guziejewski Dariusz, Koszelska Kamila, Małecka Magdalena, Ranoszek-Soliwoda Katarzyna, Grobelny Jarosław,** Mircheski Valentin: Formation mechanism of macroporous Cu/CuSe and its application as electrocatalyst for methanol oxidation reaction, Ionics, vol. 29, nr 11, 2023, s. 4835-4840, DOI:10.1007/s11581-023-05182-w	70
122	**Ullah Nabi, Guziejewski Dariusz:** Formation of tungsten-doped molybdenum selenide electrocatalyst for methanol oxidation reaction, Ionics, vol. 29, nr 6, 2023, s. 2523-2527, DOI:10.1007/s11581-023-05001-2	70
123	**Ullah Nabi, Guziejewski Dariusz,** Yuan Aihua, Shah Sayyar Ali: Recent Advancement and Structural Engineering in Transition Metal Dichalcogenides for Alkali Metal Ions Batteries, Materials, MDPI, vol. 16, nr 7, 2023, Numer artykułu: 2559, s. 1-25, DOI:10.3390/ma16072559	140
124	Ullah Rizwan, Ullah Noushad, **Ullah Nabi,** Khattak Rozina, Ismail Muhammad: One-Pot Synthesis of Highly Active and Uniform Fe3O4 Nanocatalyst for Pyrolytic Decomposition of Peanut Shells, Russian Journal of Physical Chemistry A, vol. 97, nr 4, 2023, s. 610-617, DOI:10.1134/s0036024423040246	20
125	Ullah Sami, Ali Sajjad, Ahmad Aziz, **Ullah Nabi,** Hakami Jabir, Usman Muhammad, Khan Sikandar, Khan Firoz: First-principles calculations for the effect of energetic point defect formation on electronic properties of the Weyl MX family (M = Nb, Ta; X = P, As), Chinese Journal of Physics, vol. 82, 2023, s. 15-30, DOI:10.1016/j.cjph.2022.10.005	40
126	Vraneš Milan, **Kinart Zdzisław,** Borović Teona Teodora, Papović Snežana, Tomaš Renato: The physicochemical properties of selected imidazolium chloride ionic liquids in tetraethylene glycol: Experimental and computational approach, Journal of Molecular Liquids, Elsevier BV, vol. 372, 2023, Numer artykułu: 120763, s. 1-12, DOI:10.1016/j.molliq.2022.120763	100

127	Waleed Hadeer Q., Hadjadj Rachid, Viskolcz Béla, Fiser Béla: Effect of morpholine, and 4-methylmorpholine on urethane formation: a computational study, Scientific Reports, Nature Publishing Group, vol. 13, nr 1, 2023, Numer artykułu: 17950, s. 1-8, DOI:10.1038/s41598-023-44492-x	140
128	Waleed Hadeer Q., Viskolcz Béla, Fejes Zsolt, Fiser Béla: Urethane formation in the presence of 2,2-dimorpholinodiethylether (DMDEE) and 1,4-dimethylpiperazine (DMP) - A combined experimental and theoretical study, Computational and Theoretical Chemistry, Elsevier, vol. 1221, 2023, Numer artykułu: 114045, s. 1-8, DOI:10.1016/j.comptc.2023.114045	40
129	Wang Dan, Tian Yu-Ting, Nie Jing, **Jasiński Marcin,** Tang Xiaodong, Ma Jun-An: Traceless Directing Group Enabled One-Pot Regiospecific Synthesis of 2,3-Diaryl-4-Fluoropyrroles, Advanced Synthesis & Catalysis, Weinheim Wiley, vol. 365, nr 19, 2023, s. 3260-3264, DOI:10.1002/adsc.202300625	140
130	Witucki Łukasz, Borowczyk Kamila, Suszyńska-Zajczyk Joanna, Warzych Ewelina, Pawlak Piotr, Jakubowski Hieronim: Deletion of the homocysteine thiolactone detoxifying enzyme bleomycin hydrolase, in mice, causes memory and neurological deficits and worsens Alzheimer's disease-related behavioral and biochemical traits in the 5xFAD model of Alzheimer's disease, Journal of Alzheimers Disease, vol. 95, nr 4, 2023, s. 1735-1755, DOI:10.3233/jad-230578	100
131	Witusik-Perkowska Monika, Głowacka Pola, **Pieczonka Adam,** Świderska Ewa, Pudlarz Agnieszka, **Rachwalski Michał, Szymańska Julia,** Zakrzewska Magdalena, Jaskólski Dariusz J., Szemraj Janusz Zbigniew: Autophagy Inhibition with Chloroquine Increased Pro-Apoptotic Potential of New Aziridine-Hydrazide Hydrazone Derivatives against Glioblastoma Cells, Cells, Multidisciplinary Digital Publishing Institute (MDPI), vol. 12, nr 14, 2023, Numer artykułu: 1906, s. 1-21, DOI:10.3390/cells12141906	140
132	Woliński Przemysław, Kącka-Zych Agnieszka, Wróblewska Aneta, Wielgus Ewelina, Dolot Rafał, Jasiński Radomir: Fully Selective Synthesis of Spirocyclic-1,2-oxazine N-Oxides via Non-Catalysed Hetero Diels-Alder Reactions with the Participation of Cyanofunctionalysed Conjugated Nitroalkenes, Molecules, MDPI, vol. 28, nr 12, 2023, Numer artykułu: 4586, s. 1-15, DOI:10.3390/molecules28124586	140
133	Woźniczka Magdalena, Świątek Mirosława, Sutradhar Manas, Gądek-Sobczyńska Joanna, **Mikołajczyk-Chmiela Magdalena, Gonciarz Weronika, Pasternak Beata,** Pająk Marek: Equilibria of complexes in the aqueous cobalt(II)–N-(2-hydroxybenzyl)phenylalanine system and their biological activity compared to analogous Schiff base structures, Computational and Structural Biotechnology Journal, Research Network of Computational and Structural Biotechnology, vol. 21, 2023, s. 1312-1323, DOI:10.1016/j.csbj.2023.01.035	140
134	Wójcik Szymon, Mircheski Valentin, Baś Bogusław, Jakubowska Małgorzata: A novel double-sampled square-wave voltammetric technique combined with quadruple-disk metallic-glassy carbon electronic tongue for isotonic beverages profiling, Electroanalysis, Wiley - V C H Verlag GmbH & Co. KGaA, vol. 35, nr 8, 2023, Numer artykułu: e202300040, s. 1-16, DOI:10.1002/elan.202300040	70
135	**Wzgarda-Raj Kinga, Wlaźlak Marcin, Książkiewicz Olga, Palusiak Marcin:** 1-(Pyridin-4-yl)-4-thiopyridine (PTP) in the crystalline state - pure PTP and a cocrystal and salt, Acta Crystallographica Section C-Structural Chemistry, vol. 79, nr 12, 2023, s. 497-503, DOI:10.1107/s2053229623009403	140
136	**Wzgarda-Raj Kinga, Dominikowska Justyna, Husik Natallia, Rybarczyk-Pirek Agnieszka:** 2,2′-Di-thio-bis-pyrazine: about the di-sulfide bond, Acta Crystallographica Section C-Structural Chemistry, vol. 79, nr 9, 2023, s. 374-380, DOI:10.1107/s2053229623007416	140

137	**Wzgarda-Raj Kinga, Dominikowska Justyna,** Wojtulewski Sławomir, **Rybarczyk-Pirek Agnieszka J.:** X-ray studies of three 3,6-bis(pyridin-2-yl)-1,2,4,5-tetrazine cocrystals: an unexpected molecular conformation stabilized by hydrogen bonds, Acta Crystallographica Section C-Structural Chemistry, vol. 79, nr 2, 2023, s. 52-60, DOI:10.1107/s2053229622012256	140
138	Yuan Yuan, Fang Lei, Gu Mingqing, Lv Zhaoxu, Lv Changrong, **Ullah Nabi,** Umar Ahmad, Hussain Shahid: Wide Facets ZnCo2O4 Nanosheets for High Electrochemical Supercapacitor Performances, Science of Advanced Materials, vol. 15, nr 9, 2023, s. 1144-1149, DOI:10.1166/sam.2023.4529	40
139	Zatloukalova Martina, **Poltorak Lukasz,** Bilewicz Renata, Vacek Jan: Lipid-based liquid crystalline materials in electrochemical sensing and nanocarrier technology, Microchimica Acta, Springer Wien, vol. 190, nr 5, 2023, Numer artykułu: 187, s. 1-12, DOI:10.1007/s00604-023-05727-w	200
140	Zhang Nan, Ma Hai, Cheung Chi Wai, Zhang Fa-Guang, **Jasiński Marcin,** Ma Jun-An, Nie Jing: Regioselective [3 + 2] cycloaddition of di/trifluoromethylated hydrazonoyl chlorides with fluorinated nitroalkenes: a facile access to 3-di/trifluoroalkyl-5-fluoropyrazoles, Organic & Biomolecular Chemistry, vol. 21, nr 24, 2023, s. 5040-5045, DOI:10.1039/d3ob00644a	100
2022		
Rozdziały z monografii		
1	**Brycht Mariola, Leniart Andrzej, Skrzypek Sławomira:** Application of Solid Carbon Electrodes in Voltammetric (Bio)analysis of Selected Cytostatic Drugs, W: Handbook of Bioanalytics / Buszewski Bogusław, Baranowska Irena (red.), 2022, Springer, ISBN 978-3-030-95659-2, s. 761-782, DOI:10.1007/978-3-030-95660-8_35	20
2	Chotera-Ouda Agata, Wróblewska Aneta, **Tokarz Paweł,** Stevens Christian V.: 4.06 - Thiazoles, W: Comprehensive Heterocyclic Chemistry IV / Black David StC, Cossy Janine, Stevens Christian V. (red.), 2022, Elsevier, s. 530-623, DOI:10.1016/b978-0-12-818655-8.00129-3	20
3	Drabowicz Jozef, **Karpowicz Rafał,** Krasowska Dorota, Stevens Christian V.: 12.12 - Bicyclic Systems With Bridgehead (Ring Junction): Phosphorus, Arsenic, Antimony, or Bismuth Atoms, W: Comprehensive Heterocyclic Chemistry IV / Black David StC, Cossy Janine, Stevens Christian V. (red.), 2022, Elsevier, s. 367-412, DOI:10.1016/b978-0-12-818655-8.00025-1	20
4	Drabowicz Jozef, **Karpowicz Rafał,** Krasowska Dorota, Sancineto Luca, Stevens Christian V.: 12.21 - Compounds Containing a Spiro Phosphorus Atom, W: Comprehensive Heterocyclic Chemistry IV / Black David StC, Cossy Janine, Stevens Christian V. (red.), 2022, Elsevier, s. 633-740, DOI:10.1016/b978-0-12-818655-8.00016-0	20
5	**Głowacki Rafał, Piechocka Justyna,** Bald Edward, **Chwatko Grażyna:** Application of Separation Techniques in Analytics of Biologically Relevant Sulfur Compounds, W: Handbook of Bioanalytics / Buszewski Bogusław, Baranowska Irena (red.), 2022, Springer, ISBN 978-3-030-95659-2, s. 233-256, DOI:10.1007/978-3-030-95660-8_11	20
6	**Mlostoń Grzegorz, Romański Jarosław,** Heimgartner Heinz: 1.14 - Three-Membered Rings With Two Oxygen and/or Sulfur Atoms, W: Comprehensive Heterocyclic Chemistry IV / Black David StC, Cossy Janine, Stevens Christian V. (red.), 2022, Elsevier, s. 628-646, DOI:10.1016/b978-0-12-409547-2.14765-1	20
7	**Plażuk Damian, Łomzik Michał, Chrabąszcz Karolina, Wieczorek-Błauż Anna:** 1.05 - Thiiranes and Thiirenes: Monocyclic, W: Comprehensive Heterocyclic Chemistry IV / Black David StC, Cossy Janine, Stevens Christian V. (red.), 2022, Elsevier, s. 361-412, DOI:10.1016/B978-0-12-409547-2.14786-9	20

8	**Rachwalski Michał, Buchcic Aleksandra:** 13.12 - Seven-Membered Rings With Three Heteroatoms 1,2,3, W: Comprehensive Heterocyclic Chemistry IV / Black David StC, Cossy Janine, Stevens Christian V. (red.), 2022, Elsevier, s. 480-484, DOI:10.1016/b978-0-12-818655-8.00080-9	20
9	**Utecht-Jarzyńska Greta, Jasiński Marcin Paweł, Romański Jarosław:** 13.09 - 1,2-Dioxepanes, 1,2-Oxathiepanes and 1,2-Dithiepanes, W: Comprehensive Heterocyclic Chemistry IV / Black David StC, Cossy Janine, Stevens Christian V. (red.), 2022, Elsevier, s. 371-393, DOI:10.1016/b978-0-12-818655-8.00078-0	20
Rozdziały z serii książkowych		
1	**Żądzińska Elżbieta, Borówka Paulina, Strapagiel Dominik, Mietlińska Joanna, Karkus Justyna,** Sewerynek Ewa, Stuss Michał, **Plażuk Damian, Lorkiewicz Wiesław:** Association between age-related bone loss and vitamin D receptor polymorphisms in past populations living in north-central Poland from the Neolithic to early modern times, W: Program of the 91st Annual Meeting of the American Association of Biological Anthropologists. Abstract book / Hlusko Leslea J., American Journal of Biological Anthropology, 2022, John Wiley & Sons, s. 202-202	—
Artykuły z czasopism		
1	**Adamiak Marta, Ignaczak Anna:** DFT studies on the physicochemical properties of a new potential drug carrier containing cellobiose units and its complex with paracetamol, Structural Chemistry, vol. 33, nr 4, 2022, s. 1365-1378, DOI:10.1007/s11224-022-01950-y	70
2	Adamus-Grabicka Angelika A., Daśko Mateusz, **Hikisz Paweł,** Kusz Joachim, **Małecka Magdalena,** Budzisz Elzbieta: Biochemical, Structural Analysis, and Docking Studies of Spiropyrazoline Derivatives, International Journal of Molecular Sciences, Multidisciplinary Digital Publishing Institute (MDPI), vol. 23, nr 11, 2022, Numer artykułu: 6061, s. 1-21, DOI:10.3390/ijms23116061	140
3	Adhikari Juthi, **Rizwan Mohammad,** Ahmed Minhaz Uddin: Development of a label-free electrochemiluminescence biosensor for the sensitive detection of porcine gelatin using carbon nanostructured materials, Sensors & Diagnostics, Royal Society of Chemistry, vol. 1, nr 5, 2022, s. 968-976, DOI:10.1039/d2sd00067a	5
4	Aissa Rim, Guezane-Lakoud Samia, Gali Lynda, Toffano Martial, **Ignaczak Anna, Adamiak Marta,** Merabet-Khelassi Mounia, Guillot Regis, Aribi-Zouioueche Louisa: New promising generation of phosphates α-aminophosphonates: Design, synthesis, in-vitro biological evaluation and computational study, Journal of Molecular Structure, Elsevier BV, vol. 1247, 2022, Numer artykułu: 131336, s. 1-15, DOI:10.1016/j.molstruc.2021.131336	70
5	Bakhonsky Vladyslav V., Becker Jonathan, **Mlostoń Grzegorz,** Schreiner Peter R.: N-Alkoxyimidazolylidines (NOHCs): nucleophilic carbenes based on an oxidized imidazolium core, Chemical Communications, RSC Publications, vol. 58, nr 10, 2022, s. 1538-1541, DOI:10.1039/d1cc05696d	200
6	Bankiewicz Barbara, **Matczak Piotr:** Controlling the preferred nitrogen site in 1,2,3-triazine to bind with stannylenes, Polyhedron, Pergamon, vol. 225, 2022, Numer artykułu: 116056, s. 1-8, DOI:10.1016/j.poly.2022.116056	100
7	Baranowska-Korczyc Anna, **Mackiewicz Ewelina, Ranoszek-Soliwoda Katarzyna, Grobelny Jarosław, Celichowski Grzegorz:** Core/Shell Ag/SnO2 Nanowires for Visible Light Photocatalysis, Catalysts, vol. 12, nr 1, 2022, Numer artykułu: 30, s. 1-11, DOI:10.3390/catal12010030	100
8	**Bartos Paulina, Celeda Małgorzata,** Pietrzak Anna, **Kaszyński Piotr:** Planar Blatter radicals through Bu_3 SnH- and TMS_3 SiH-assisted cyclization of aryl iodides: azaphilic radical addition, Organic Chemistry Frontiers, vol. 9, nr 4, 2022, s. 929-938, DOI:10.1039/d1qo01742j	140

9	Beer Henrik, Linke Alexander, Bresien Jonas, **Mlostoń Grzegorz, Celeda Małgorzata,** Villinger Alexander, Schulz Axel: Synthesis of Bicyclic P,S-Heterocycles via the Addition of Thioketones to a Phosphorus-Centered Open-Shell Singlet Biradical, Inorganic Chemistry, American Chemical Society, vol. 61, nr 4, 2022, s. 2031-2038, DOI:10.1021/acs.inorgchem.1c03207	140
10	**Bekier Adrian, Gatkowska Justyna, Chyb Maciej,** Justyna Sokołowska, **Chwatko Grażyna, Głowacki Rafał,** Paneth Agata, **Dzitko Katarzyna:** 4-Arylthiosemicarbazide derivatives - Pharmacokinetics, toxicity and anti-Toxoplasma gondii activity in vivo, European Journal of Medicinal Chemistry, vol. 244, 2022, Numer artykułu: 114812, s. 1-9, DOI:10.1016/j.ejmech.2022.114812	140
11	**Biegański Przemysław,** Godel Martina, Riganti Chiara, Kawano Daniel Fábio, Kopecka Joanna, **Kowalski Konrad:** Click ferrocenyl-erlotinib conjugates active against erlotinib-resistant non-small cell lung cancer cells in vitro, Bioorganic Chemistry, vol. 119, 2022, Numer artykułu: 105514, s. 1-14, DOI:10.1016/j.bioorg.2021.105514	100
12	**Biegański Przemysław,** Kovalski Eduard, Israel Noel, Dmitrieva Evgenia, Trzybiński Damian, Woźniak Krzysztof, Vrček Valerije, Godel Martina, Riganti Chiara, **Kowalski Konrad:** Electronic Coupling in 1,2,3-Triazole Bridged Ferrocenes and Its Impact on Reactive Oxygen Species Generation and Deleterious Activity in Cancer Cells, Inorganic Chemistry, American Chemical Society, vol. 61, nr 25, 2022, s. 9650-9666, DOI:10.1021/acs.inorgchem.2c01110, łączna liczba autorów: *12*	140
13	**Biernacka Marta,** Ilyich Tatsiana, Zavodnik Ilya, **Pałecz Bartłomiej, Stępniak Artur:** Studies of the Formation and Stability of Ezetimibe-Cyclodextrin Inclusion Complexes, International Journal of Molecular Sciences, Multidisciplinary Digital Publishing Institute (MDPI), vol. 23, nr 1, 2022, Numer artykułu: 455, s. 1-18, DOI:10.3390/ijms23010455	140
14	**Borgul Paulina, Sobczak Karolina, Rudnicki Konrad,** Glazer Piotr, **Pawlak Patrycja,** Trynda Anna, **Skrzypek Sławomira, Półtorak Łukasz:** Electrochemical behavior of cocaine cutting agents at the polarized liquid-liquid interface, Electrochimica Acta, Pergamon, vol. 402, 2022, Numer artykułu: 139553, s. 1-11, DOI:10.1016/j.electacta.2021.139553	100
15	**Borgul Paulina, Sobczak Karolina, Sipa Karolina, Rudnicki Konrad, Skrzypek Sławomira,** Trynda Anna, **Półtorak Łukasz:** Heroin detection in a droplet hosted in a 3D printed support at the miniaturized electrified liquid-liquid interface, Scientific Reports, Nature Publishing Group, vol. 12, nr 1, 2022, Numer artykułu: 18615, s. 1-11, DOI:10.1038/s41598-022-21689-0	140
16	**Borgul Paulina, Sobczak Karolina, Rudnicki Konrad, Leniart Andrzej, Skrzypek Sławomira, Półtorak Łukasz:** Oxidized thin aluminum films used as the polarized liquid-liquid interface support for norcocaine detection, Sensors and Actuators B - Chemical, Elsevier S.A., vol. 373, 2022, Numer artykułu: 132651, s. 1-11, DOI:10.1016/j.snb.2022.132651	140
17	**Buchcic-Szychowska Aleksandra, Leśniak Stanisław, Rachwalski Michał:** Chiral Aziridine Phosphines as Highly Effective Promoters of Asymmetric Rauhut–Currier Reaction, Symmetry, MDPI, vol. 14, nr 8, 2022, Numer artykułu: 1631, s. 1-8, DOI:10.3390/sym14081631	70
18	**Buchcic-Szychowska Aleksandra, Zawisza Anna, Leśniak Stanisław, Rachwalski Michał:** Highly Efficient Asymmetric Morita–Baylis–Hillman Reaction Promoted by Chiral Aziridine-Phosphines, Catalysts, vol. 12, nr 4, 2022, Numer artykułu: 394, s. 1-8, DOI:10.3390/catal12040394	100
19	**Buczkowski Adam:** Thermodynamic study of pH and sodium chloride impact on gemcitabine binding to cucurbit[7]uril in aqueous solutions, Journal of Molecular Liquids, Elsevier BV, vol. 345, 2022, Numer artykułu: 117857, s. 1-11, DOI:10.1016/j.molliq.2021.117857	100

20	Buday Philipp, **Celeda Małgorzata,** Görls Helmar, **Mlostoń Grzegorz,** Weigand Wolfgang: A Remarkable Ring Opening Observed in the Reaction of Cyclopropyl Ferrocenyl Thioketone with Triiron Dodecacarbonyl Fe3(CO)12, European Journal of Inorganic Chemistry, John Wiley & Sons, 2022, Numer artykułu: e202200520, s. 1-7, DOI:10.1002/ejic.202200520	70
21	**Burnat Barbara, Brycht Mariola, Leniart Andrzej, Skrzypek Sławomira:** Carbon black-modified carbon ceramic electrode - Its fabrication, characterization, and electroanalytical performance, Diamond and Related Materials, vol. 130, 2022, Numer artykułu: 109513, s. 1-9, DOI:10.1016/j.diamond.2022.109513	100
22	**Chęcińska Lilianna, Kaspiaruk Hanna:** A comparison of three crystalline forms of miconazole: solvent-free, ethanol monosolvate and hemihydrate, Acta Crystallographica Section C-Structural Chemistry, vol. 78, nr 6, 2022, s. 343-350, DOI:10.1107/s2053229622004909	140
23	Chudoba Dorota, **Ładzik-Dychto Katarzyna,** Jażdżewska Monika: Carbon fibres as potential bone implants with controlled doxorubicin release, Scientific Reports, Nature Publishing Group, vol. 12, 2022, Numer artykułu: 2607, s. 1-12, DOI:10.1038/s41598-022-06044-7	140
24	**Ciechańska Magdalena, Wrona-Piotrowicz Anna, Koprowska Karolina,** Makal Anna, **Zakrzewski Janusz:** Electrophile-Dependent Reactivity of Lithiated N-Benzylpyrene-1-Carboxamide, Molecules, vol. 27, nr 12, 2022, Numer artykułu: 3930, s. 1-12, DOI:10.3390/molecules27123930	140
25	Čović Jelena, Mircheski Valentin, Zarubica Aleksandra, Enke Dirk, Carstens Simon, Bojić Aleksandar, Ranđelović Marjan: Palladium-graphene hybrid as an electrocatalyst for hydrogen peroxide reduction, Applied Surface Science, Elsevier BV - North-Holland, vol. 574, 2022, Numer artykułu: 151633, s. 1-11, DOI:10.1016/j.apsusc.2021.151633	140
26	**Czarny-Krzymińska Karolina, Krawczyk Barbara, Szczukocki Dominik:** Toxicity of bisphenol A and its structural congeners to microalgae Chlorella vulgaris and Desmodesmus armatus, Journal of Applied Phycology, vol. 34, nr 3, 2022, s. 1397-1410, DOI:10.1007/s10811-022-02704-3	70
27	Daraosheh Ahmad Q., Abul-Futouh Hassan, Murakami Natsuki, Ziems Karl Michael, Görls Helmar, Kupfer Stephan, Gräfe Stefanie, Ishii Akihiko, **Celeda Małgorzata, Mlostoń Grzegorz:** Novel [FeFe]-Hydrogenase Mimics: Unexpected Course of the Reaction of Ferrocenyl α-Thienyl Thioketone with Fe3(CO)12, Materials, MDPIAG, vol. 15, nr 8, 2022, Numer artykułu: 2867, s. 1-13, DOI:10.3390/ma15082867, łączna liczba autorów: *11*	140
28	**Domagała Małgorzata,** Dubis Alina T., Wojtulewski Sławomir, Zabel Manfred, Pfitzner Arno: Hydrogen Bonding in Crystals of Pyrrol-2-yl Chloromethyl Ketone Derivatives and Methyl Pyrrole-2-Carboxylate, Crystals, MDPI AG, vol. 12, nr 11, 2022, Numer artykułu: 1523, s. 1-14, DOI:10.3390/cryst12111523	70
29	**Domagała Małgorzata,** Simon Sílvia, **Palusiak Marcin:** Resonance-Assisted Hydrogen Bond—Revisiting the Original Concept in the Context of Its Criticism in the Literature, International Journal of Molecular Sciences, Multidisciplinary Digital Publishing Institute (MDPI), vol. 23, nr 1, 2022, Numer artykułu: 233, s. 1-16, DOI:10.3390/ijms23010233	140
30	**Domagała Małgorzata,** Jabłoński Mirosław, Dubis Alina T., Zabel Manfred, Pfitzner Arno, **Palusiak Marcin:** Testing of Exchange-Correlation Functionals of DFT for a Reliable Description of the Electron Density Distribution in Organic Molecules, International Journal of Molecular Sciences, Multidisciplinary Digital Publishing Institute (MDPI), vol. 23, nr 23, 2022, Numer artykułu: 14719, s. 1-18, DOI:10.3390/ijms232314719	140
31	Dudek Mariusz, Wawryniuk Zuzanna, Nesteruk Malwina, Rosowski Adam, **Cichomski Michał,** Kozicki Marek, Święcik Robert: Changes in the Laser-Processed Ti6Al4V Titanium Alloy Surface Observed by Using Raman Spectroscopy, Materials, MDPIAG, vol. 15, nr 20, 2022, Numer artykułu: 7153, s. 1-12, DOI:10.3390/ma15207153	140

32	**Felczak Aleksandra,** Kalinowska-Lis Urszula, Kusz Joachim, **Chęcińska Lilianna:** Zwitterionic versus neutral mol-ecules of fluoro-quinolones: crystal structure of danofloxacin dihydrate, Acta Crystallographica Section C-Structural Chemistry, vol. 78, nr 12, 2022, s. 722-729, DOI:10.1107/s2053229622010300	140
33	**Fenyk Anna,** Horak Wojciech, **Zieliński Marek, Miękoś Ewa,** Chrześcijańska Ewa, **Sroczyński Dariusz:** Investigation of the properties of selected magnetorheological fluids, Journal of Intelligent Material Systems and Structures, vol. 33, nr 18, 2022, s. 2294-2304, DOI:10.1177/1045389x221077434	100
34	Festinger Natalia, Spilarewicz-Stanek Kaja, **Borowczyk Kamila, Guziejewski Dariusz, Smarzewska Sylwia:** Highly Sensitive Determination of Tenofovir in Pharmaceutical Formulations and Patients Urine - Comparative Electroanalytical Studies Using Different Sensing Methods, Molecules, vol. 27, nr 6, 2022, Numer artykułu: 1992, s. 1-16, DOI:10.3390/molecules27061992	140
35	Festinger Natalia, **Kisielewska Aneta, Burnat Barbara, Ranoszek-Soliwoda Katarzyna, Grobelny Jarosław, Koszelska Kamila, Guziejewski Dariusz, Smarzewska Sylwia:** The Influence of Graphene Oxide Composition on Properties of Surface-Modified Metal Electrodes, Materials, MDPIAG, vol. 15, nr 21, 2022, Numer artykułu: 7684, s. 1-13, DOI:10.3390/ma15217684	140
36	Gulaboski Rubin, Mircheski Valentin: Surface catalytic mechanism-theoretical study under conditions of differential square-wave voltammetry, Macedonian Journal of Chemistry and Chemical Engineering, Macedonian Journal of Chemistry and Chemical Engineering, vol. 41, nr 1, 2022, s. 1-10, DOI:10.20450/mjcce.2022.2404	20
37	Gurgul Ilona, Mazuryk Olga, Stachyra Kamila, Olszanecki Rafał, Lekka Małgorzata, Łomzik Michał, Suzenet Franck, Gros Philippe C., Brindell Małgorzata: Impact of Polypyridyl Ru Complexes on Angiogenesis - Contribution to Their Antimetastatic Activity, International Journal of Molecular Sciences, Multidisciplinary Digital Publishing Institute (MDPI), vol. 23, nr 14, 2022, Numer artykułu: 7708, s. 1-13, DOI:10.3390/ijms23147708	140
38	Gurgul Ilona, Janczy-Cempa Ewelina, Mazuryk Olga, Lekka Małgorzata, Łomzik Michał, Suzenet Franck, Gros Philippe C., Brindell Małgorzata: Inhibition of Metastasis by Polypyridyl Ru(II) Complexes through Modification of Cancer Cell Adhesion - In Vitro Functional and Molecular Studies, Journal of Medicinal Chemistry, American Chemical Society, vol. 65, nr 15, 2022, s. 10459-10470, DOI:10.1021/acs.jmedchem.2c00580	200
39	Gurgul Ilona, Mazuryk Olga, Rutkowska-Zbik Dorota, **Łomzik Michał,** Krasowska Aneta, Piotr Pietrzyk, Stochel Grażyna, Brindell Małgorzata: Microwave-assisted synthesis and photodynamic activity of tris-heteroleptic Ru(II) complexes with asymmetric polypyridyl ligands, Polyhedron, Pergamon, vol. 225, 2022, Numer artykułu: 116049, s. 1-11, DOI:10.1016/j.poly.2022.116049	100
40	**Guziejewski Dariusz,** Stojanov Leon, **Zwierzak Zuzanna,** Compton Richard G., Mircheski Valentin: Electrode kinetics from a single experiment: multi-amplitude analysis in square-wave chronoamperometry, Physical Chemistry Chemical Physics, RSC Publications, vol. 24, nr 39, 2022, s. 24419-24428, DOI:10.1039/d2cp01888h	100
41	**Guziejewski Dariusz,** Stojanov Leon, Gulaboski Rubin, Mircheski Valentin: Reversible and Quasireversible Electron Transfer under Conditions of Differential Square-Wave Voltammetry, The Journal of Physical Chemistry Part C: Nanomaterials, Interfaces and Hard Matter, American Chemical Society, vol. 126, nr 12, 2022, s. 5584-5591, DOI:10.1021/acs.jpcc.2c01188	140
42	Hägele Gerhard, **Nazarski Ryszard,** Schmitz Alexa, Xing Shanghua, Janiak Christoph: 1H NMR spectra, structure, and conformational exchange of S-n-alkyl-tetrahydrothiophenium cations of some ionic liquids, Phosphorus Sulfur and Silicon and the Related Elements, vol. 197, nr 8, 2022, s. 788-798, DOI:10.1080/10426507.2021.2023149	40

43	Ivanovski Vladimir, **Piwoński Ireneusz, Guziejewski Dariusz,** Mayerhöfer Thomas G.: Detection of siloxane thin films on glass substrate using IR ratio-reflectance spectrum, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Elsevier BV, vol. 271, 2022, Numer artykułu: 120893, s. 1-13, DOI:10.1016/j.saa.2022.120893	140
44	Janicka Martyna, **Ranoszek-Soliwoda Katarzyna,** Chodaczek Grzegorz, Antos-Bielska Małgorzata, Brytan Marek, **Tomaszewska Emilia, Celichowski Grzegorz, Grobelny Jarosław,** Cymerys Joanna, Krzyżowska Małgorzata: Functionalized Noble Metal Nanoparticles for the Treatment of Herpesvirus Infection, Microorganisms, vol. 10, nr 11, 2022, Numer artykułu: 2161, s. 1-13, DOI:10.3390/microorganisms10112161, łączna liczba autorów: *11*	40
45	Jerczynski K., Lipinska M., Raj W., Šlouf M., Halagan K., Kozanecki M., **Grobelny Jarosław,** Matyjaszewski K., Pietrasik J.: Effect of hybrid TiO2 nanoparticles with controlled morphology on rheological properties of poly(styrene-co-acrylonitrile) nanocomposites, Materials Today Chemistry, Elsevier Limited, vol. 26, 2022, Numer artykułu: 101189, s. 1-9, DOI:10.1016/j.mtchem.2022.101189	70
46	**Jóźwiak Małgorzata,** Burakowski Andrzej, **Tyczyńska Magdalena, Komudzińska Marlena:** Compression of selected glymes in N,N-dimethylformamide + water. The hydration numbers and hydrophobic hydration process of glymes, Journal of Molecular Liquids, Elsevier BV, vol. 362, 2022, Numer artykułu: 119722, s. 1-9, DOI:10.1016/j.molliq.2022.119722	100
47	**Jóźwiak Małgorzata, Komudzińska Marlena, Tyczyńska Magdalena,** Marczak Wojciech, **Jóźwiak Andrzej:** Heat capacity of six glymes in N,N-dimethylformamide + water mixtures. Solvation of glymes, Journal of Molecular Liquids, Elsevier BV, vol. 361, 2022, Numer artykułu: 119624, s. 1-9, DOI:10.1016/j.molliq.2022.119624	100
48	**Juszczak Michał, Kluska Magdalena, Kosińska Aneta, Rudolf Bogna, Woźniak Katarzyna:** Antioxidant Activity of Ruthenium Cyclopentadienyl Complexes Bearing Succinimidato and Phthalimidato Ligands, Molecules, vol. 27, nr 9, 2022, Numer artykułu: 2803, s. 1-15, DOI:10.3390/molecules27092803	140
49	**Juszczak Michał, Kluska Magdalena, Kosińska Aneta, Palusiak Marcin, Rybarczyk-Pirek Agnieszka, Wzgarda-Raj Kinga, Rudolf Bogna, Woźniak Katarzyna:** Cytotoxicity of piano-stool ruthenium cyclopentadienyl complexes bearing different imidato ligands, Applied Organometallic Chemistry, John Wiley & Sons Ltd., vol. 36, nr 4, 2022, Numer artykułu: e6595, s. 1-15, DOI:10.1002/aoc.6595	100
50	**Kaczmarek Katarzyna,** Konieczny Bartlomiej, Siarkiewicz Przemyslaw, **Leniart Andrzej,** Lukomska-Szymanska Monika, **Skrzypek Sławomira,** Lapinska Barbara: Surface Characterization of Current Dental Ceramics Using Scanning Electron Microscopic and Atomic Force Microscopic Techniques, Coatings, vol. 12, nr 8, 2022, Numer artykułu: 1122, s. 1-12, DOI:10.3390/coatings12081122	100
51	Kapuściński Szymon, Hietsoi Oleksandr, Pietrzak Anna, Friedli Andrienne C., **Kaszyński Piotr:** [*closo* -$B_{10}H_8$-1,10-$(COOH)_2$]$^{2-}$: a building block for functional materials?, Chemical Communications, RSC Publications, vol. 58, nr 6, 2022, s. 851-854, DOI:10.1039/d1cc06485a	200
52	**Kapuściński Szymon,** Anand Bindushree, **Bartos Paulina,** Garcia Fernandez Jose M., Kaszyński Piotr: Tethered Blatter Radical for Molecular Grafting: Synthesis of 6-Hydroxyhexyloxy, Hydroxymethyl, and Bis(hydroxymethyl) Derivatives and Their Functionalization, Molecules, vol. 27, nr 4, 2022, Numer artykułu: 1176, s. 1-14, DOI:10.3390/molecules27041176	140
53	**Kaźmierczak Andrzej,** Kornaś Andrzej, Mościpan Małgorzata, **Łęcka Justyna:** Influence of bisphenol A on growth and metabolism of Vicia faba ssp. minor seedlings depending on lighting conditions, Scientific Reports, Nature Publishing Group, vol. 12, 2022, Numer artykułu: 20259 , s. 1-21, DOI:10.1038/s41598-022-24219-0	140

54	Khan Saraf, Mahmood Asim, Ul Haq Ali Shah Anwar, Rahman Gul, Khan Adnan, **Ullah Nabi:** Challenges and innovative strategies related to synthesis and electrocatalytic/energy storage applications of metal sulfides and its derivatives, Journal of Electroanalytical Chemistry, vol. 923, 2022, Numer artykułu: 116760, DOI:10.1016/j.jelechem.2022.116760	70
55	**Kinart Zdzisław,** Tomaš Renato: Studies of the Formation of Inclusion Complexes Derivatives of Cinnamon Acid with α-Cyclodextrin in a Wide Range of Temperatures Using Conductometric Methods, Molecules, vol. 27, nr 14, 2022, Numer artykułu: 4420, s. 1-12, DOI:10.3390/molecules27144420	140
56	**Kisielewska Aneta, Spilarewicz-Stanek Kaja, Cichomski Michał, Kozłowski Witold, Piwoński Ireneusz:** The role of graphene oxide and its reduced form in the in situ photocatalytic growth of silver nanoparticles on graphene-TiO2 nanocomposites, Applied Surface Science, Elsevier BV - North-Holland, vol. 576, nr A, 2022, Numer artykułu: 151759, s. 1-13, DOI:10.1016/j.apsusc.2021.151759	140
57	**Komudzińska Marlena, Jóźwiak Małgorzata, Tyczyńska Magdalena,** Burakowski Andrzej, Gliński Jacek: The volume properties of selected glymes in N,N-dimethylformamide + water mixtures. The hydrophobic hydration process of glymes, Journal of Molecular Liquids, Elsevier BV, vol. 355, 2022, Numer artykułu: 118967, s. 1-15, DOI:10.1016/j.molliq.2022.118967	100
58	Korolkov I.V., Zibert A.V., Lisovskaya L.I., Łudzik-Dychto Katarzyna, Anisovich M.V., Vasilyeva M.M., Shumskaya A.E., Usseinov A., Yeszhanov A.B., Zdorovets M.V.: Simultaneous Immobilization of Gadolinium Ions and Di(o-carborano-1,2-dimethyl)borate on Fe3O4 Nanoparticles, Bulletin of the University of Karaganda-Chemistry, vol. 106, nr 2, 2022, s. 87-94, DOI:10.31489/2022ch2/2-22-3	20
59	**Koselak Karolina, Porwański Stanisław:** The use of carbon dioxide to functionalize saccharides as natural products especielly for obtaining organocatalysts or cryptands, Journal of CO2 Utilization, vol. 66, 2022, Numer artykułu: 102266, s. 1-18, DOI:10.1016/j.jcou.2022.102266	140
60	Kosińska Aneta, Virieux David, Pirat Jean-Luc, Czarnecka Kamila, Girek Małgorzata, Szymański Paweł, Wojtulewski Sławomir, Vasudevan Saranya, Chworos Arkadiusz, **Rudolf Bogna:** Synthesis and Biological Studies of Novel Aminophosphonates and Their Metal Carbonyl Complexes (Fe, Ru), International Journal of Molecular Sciences, Multidisciplinary Digital Publishing Institute (MDPI), vol. 23, nr 15, 2022, Numer artykułu: 8091, s. 1-15, DOI:10.3390/ijms23158091	140
61	Kostka Tina, Ostberg-Potthoff Johanna Josefine, Stärke Joachim, Guigas Claudia, Matsugo Seiichi, Mircheski Valentin, Stojanov Leon, Kostadinović Veličkovska Sanja, Winterhalter Peter, Esatbeyoglu Tuba: Bioactive Phenolic Compounds from Lingonberry (Vaccinium vitis-idaea L.): Extraction, Chemical Characterization, Fractionation and Cellular Antioxidant Activity, Antioxidants, Multidisciplinary Digital Publishing Institute (MDPI), vol. 11, nr 3, 2022, Numer artykułu: 467, s. 1-15, DOI:10.3390/antiox11030467	100
62	**Koszelska Kamila, Ciesielski Witold, Smarzewska Sylwia:** First Electrochemical Approach to Voltammetric Behavior and Sensing of Anticancer Drug Ponatinib, Journal of the Electrochemical Society, vol. 169, nr 4, 2022, Numer artykułu: 046523, s. 1-5, DOI:10.1149/1945-7111/ac67f6	100
63	**Kośka Izabella, Purgat Krystian, Kubalczyk Paweł:** Simple, fast and reliable CE method for simultaneous determination of ciprofloxacin and ofloxacin in human urine, Scientific Reports, Nature Publishing Group, vol. 12, nr 1, 2022, Numer artykułu: 7729, s. 1-9, DOI:10.1038/s41598-022-11747-y	140
64	**Kowalczyk Aleksandra, Piotrowicz Michał, Gapińska Magdalena,** Trzybiński Damian, Woźniak Krzysztof, Stringer Tameryn, Smith Gregory S, Czerwieniec Rafał, **Kowalski Konrad:** Chemistry of glycol nucleic acid (GNA): Synthesis, photophysical characterization and	100

	insight into the biological activity of phenanthrenyl GNA constituents, Bioorganic Chemistry, vol. 125, 2022, Numer artykułu: 105847, s. 1-14, DOI:10.1016/j.bioorg.2022.105847	
65	**Kowalczyk Anna, Jasiński Marcin Paweł:** 4,5-Dihydro-1,2,4-triazin-6(1H)-ones (microreview), Chemistry of Heterocyclic Compounds, Springer Nature, vol. 58, nr 11, 2022, s. 585-587, DOI:10.1007/s10593-022-03138-y	70
66	**Kowalczyk Anna, Utecht-Jarzyńska Greta, Mlostoń Grzegorz, Jasiński Marcin Paweł:** Trifluoromethylated Pyrazoles via Sequential (3 + 2)-Cycloaddition of Fluorinated Nitrile Imines with Chalcones and Solvent-Dependent Deacylative Oxidation Reactions, Organic Letters, vol. 24, nr 13, 2022, s. 2499-2503, DOI:10.1021/acs.orglett.2c00521	140
67	**Kowalewska Karolina, Sipa Karolina, Burnat Barbara, Skrzypek Sławomira, Półtorak Łukasz:** Interfacial Deposition of Titanium Dioxide at the Polarized Liquid - Liquid Interface, Materials, MDPIAG, vol. 15, nr 6, 2022, Numer artykułu: 2196, s. 1-10, DOI:10.3390/ma15062196	140
68	**Kowalewska Karolina, Sipa Karolina, Kaczmarek Katarzyna, Skrzypek Sławomira, Półtorak Łukasz:** Interfacial Synthesis of Nylon-6,6 and Its Modification with Silver-Based Nanoparticles at the Electrified Liquid-Liquid Interface, ChemElectroChem, vol. 9, nr 18, 2022, Numer artykułu: e202200435, s. 1-10, DOI:10.1002/celc.202200435	100
69	**Kowalewska Karolina, Sipa Karolina, Skrzypek Sławomira, Półtorak Łukasz:** Poliamidy i ich synteza na spolaryzowanych granicach fazowych typu ciecz-ciecz, Wiadomości Chemiczne, vol. 76, nr 9-10, 2022, s. 799-802	20
70	Krata Agnieszka: Assignation of inorganic mercury and methylmercury mass fractions in a soil matrix certified reference material by two analytical methodologies based on species-specific isotope dilution mass spectrometry and chromatographic separation, Journal of Separation Science, vol. 45, nr 18, 2022, s. 3624-3634, DOI:10.1002/jssc.202200347	70
71	Krata Agnieszka Anna, Wysocka Irena A.: A novel simultaneous isotope dilution strategy as a powerful tool in the two-track certification process of trace metal mass fractions: a case study of mercury, cadmium and lead in soil and sediment materials, Analytical Methods, RSC Publications, vol. 14, nr 33, 2022, s. 3160-3170, DOI:10.1039/d2ay00797e	70
72	Krzyzowska Malgorzata, Janicka Martyna, **Tomaszewska Emilia, Ranoszek-Soliwoda Katarzyna, Celichowski Grzegorz, Grobelny Jarosław,** Szymanski Pawel: Lactoferrin-Conjugated Nanoparticles as New Antivirals, Pharmaceutics, Multidisciplinary Digital Publishing Institute (MDPI), vol. 14, nr 9, 2022, Numer artykułu: 1862, s. 1-13, DOI:10.3390/pharmaceutics14091862	100
73	Krzyzowska Malgorzata, Chodkowski Marcin, Janicka Martyna, Dmowska Dominika, **Tomaszewska Emilia, Ranoszek-Soliwoda Katarzyna, Bednarczyk Katarzyna, Celichowski Grzegorz, Grobelny Jarosław:** Lactoferrin-Functionalized Noble Metal Nanoparticles as New Antivirals for HSV-2 Infection, Microorganisms, vol. 10, nr 1, 2022, Numer artykułu: 110, s. 1-18, DOI:10.3390/microorganisms10010110	40
74	Kudzin Marcin H., Giełdowska Małgorzata, Krata Agnieszka, Sulak Edyta, **Urbaniak Paweł,** Drabowicz Józef: Phosphorylation of chitosan (chitin) surface with PCl3, Phosphorus Sulfur and Silicon and the Related Elements, vol. 197, nr 5-6, 2022, s. 625-629, DOI:10.1080/10426507.2021.2014489	40
75	Kudzin Marcin H., Mrozińska Zdzisława, Giełdowska Małgorzata, Krata Agnieszka A., **Urbaniak Paweł,** Drabowicz Józef: Phosphorylation of the cellulose surface with PCl3 and P(O)Cl3, Phosphorus Sulfur and Silicon and the Related Elements, vol. 197, nr 5-6, 2022, s. 634-638, DOI:10.1080/10426507.2021.2014490	40
76	Kudzin Marcin H., Mrozińska Zdzisława, Festinger Natalia, **Urbaniak Paweł,** Drabowicz Józef: Stability of cellulose phosphates in alkalic solutions, Phosphorus Sulfur and Silicon and the Related Elements, vol. 197, nr 5-6, 2022, s. 630-633, DOI:10.1080/10426507.2021.2023148	40

77	Kułaga Damian, Drabczyk Anna K., Satała Grzegorz, Latacz Gniewomir, **Rózga Karolina, Plażuk Damian,** Jaśkowska Jolanta: Design and synthesis of new potent 5-HT7 receptor ligands as a candidate for the treatment of central nervous system diseases, European Journal of Medicinal Chemistry, vol. 227, 2022, Numer artykułu: 113931, s. 1-14, DOI:10.1016/j.ejmech.2021.113931	140
78	Kułaga Damian, Drabczyk Anna Karolina, Satała Grzegorz, Latacz Gniewomir, Boguszewska-Czubara Anna, **Plażuk Damian,** Jaśkowska Jolanta: Design, Synthesis and Biological Evaluation of Novel 1,3,5-Triazines: Effect of Aromatic Ring Decoration on Affinity to 5-HT7 Receptor, International Journal of Molecular Sciences, Multidisciplinary Digital Publishing Institute (MDPI), vol. 23, nr 21, 2022, Numer artykułu: 13308, s. 1-24, DOI:10.3390/ijms232113308	140
79	**Kurpet Katarzyna, Chwatko Grażyna:** S100 Proteins as Novel Therapeutic Targets in Psoriasis and Other Autoimmune Diseases, Molecules, vol. 27, nr 19, 2022, Numer artykułu: 6640, s. 1-40, DOI:10.3390/molecules27196640	140
80	Lambov Martin, Maier Philipp, **Jasiński Marcin Paweł,** Szczytko Jacek, **Kaszyński Piotr,** Lehmann Matthias: Paramagnetic supramolecular mesogens: A new paradigm in self-assembled magnetic materials, Journal of Materials Chemistry C, Royal Society of Chemistr, vol. 10, nr 22, 2022, s. 8728-8739, DOI:10.1039/d2tc00015f	140
81	**Malinowska Kinga, Bukowska Bożena, Piwoński Ireneusz,** Foksiński Marek, **Kisielewska Aneta,** Zarakowska Ewelina, Gackowski Daniel, **Sicińska Paulina:** Polystyrene nanoparticles: the mechanism of their genotoxicity in human peripheral blood mononuclear cells, Nanotoxicology, 2022, s. 1-21, DOI:10.1080/17435390.2022.2149360	140
82	**Malinowski Zbigniew,** Fornal Emilia, Stachniuk Anna, **Nowak Monika:** Reactions of 3-Hydroxy-2-phenyl-1H-benzo[e]isoindol-1-one: A Route to 3-Hydroxy-/3-anilinobenzo[e]indan-1-ones and Benzo[f]phthalazin-1(2H)-ones, Molecules, vol. 27, nr 23, 2022, Numer artykułu: 8319, s. 1-13, DOI:10.3390/molecules27238319	140
83	**Małecka Magdalena, Świątczak Dominika:** Jaka jest przyszłość dwutlenku tytanu? Zły PR czy realne zagrożenie?, Polish Journal of Cosmetology, vol. 25, nr 4, 2022, s. 217-221	5
84	**Matczak Piotr,** Kupfer Stephan, **Mlostoń Grzegorz,** Buday Philipp, Görls Helmar, Weigand Wolfgang: Metal-ligand bonding in tricarbonyliron(0) complexes bearing thiochalcone ligands, New Journal of Chemistry, RSC Publications, vol. 46, nr 27, 2022, 12924–12933, DOI:10.1039/d2nj01315k	70
85	Metelka Radovan, Vlasáková Pavlína, **Smarzewska Sylwia, Guziejewski Dariusz,** Vlček Milan, Sýs Milan: Screen-Printed Carbon Electrodes with Macroporous Copper Film for Enhanced Amperometric Sensing of Saccharides, Sensors, Multidisciplinary Digital Publishing Institute, vol. 22, nr 9, 2022, Numer artykułu: 3466, s. 1-12, DOI:10.3390/s22093466	100
86	**Miękoś Ewa,** Klepka Tomasz, **Zieliński Marek, Sroczyński Dariusz,** Garbacz Łukasz, **Fenyk Anna, Łukawska Anna:** Effect of batched water exposed to a constant magnetic field on the properties of concrete filled with waste fly ash, phosphogypsum and starch, Polimery, Instytut Chemii Przemysłowej, vol. 67, nr 2, 2022, s. 53-60, DOI:10.14314/polimery.2022.2.1	70
87	**Miękoś Ewa,** Klepka Tomasz, **Zieliński Marek, Sroczyński Dariusz:** Electrochemical deposition of cobalt-nickel coatings in a constant magnetic field, Physicochemical Problems of Mineral Processing, vol. 58, nr 2, 2022, Numer artykułu: 146066, s. 1-10, DOI:10.37190/ppmp/146066	70
88	**Miękoś Ewa, Zieliński Marek, Sroczyński Dariusz, Fenyk Anna:** Influence of various forms of cellulose on the mechanical properties of polymer composites modified in a constant magnetic field, Polimery, Instytut Chemii Przemysłowej, vol. 67, nr 10, 2022, s. 497-502, DOI:10.14314/polimery.2022.10.4	70

89	**Miękoś Ewa, Cichomski Michał, Zieliński Marek,** Klepka Tomasz, **Sroczyński Dariusz, Fenyk Anna:** Tests of Physicochemical and Mechanical Strength Properties of Polymer Composites on an Epoxy Resin Matrix, Modified by a Constant Magnetic Field, Materials, MDPIAG, vol. 15, nr 19, 2022, Numer artykułu: 6730, s. 1-22, DOI:10.3390/ma15196730	140
90	**Mlostoń Grzegorz, Kowalczyk Mateusz, Celeda Małgorzata, Jasiński Marcin Paweł,** Denel-Bobrowska Marta, Olejniczak Agnieszka B.: Fluorinated analogues of lepilidines A and C Synthesis and screening of their anticancer and antiviral activity, Molecules, vol. 27, nr 11, 2022, Numer artykułu: 3524, s. 1-15, DOI:10.3390/molecules27113524	140
91	**Mlostoń Grzegorz, Celeda Małgorzata,** Heimgartner Heinz, **Duda Damian, Obijalska Emilia, Jasiński Marcin Paweł:** Synthesis and Selected Transformations of 2-Unsubstituted Imidazole N-Oxides Using a Ball-Milling Mechanochemical Approach, Catalysts, vol. 12, nr 6, 2022, Numer artykułu: 589, s. 1-17, DOI:10.3390/catal12060589	100
92	**Mlostoń Grzegorz,** Shermolovich Yuriy, Heimgartner Heinz: Synthesis of Fluorinated and Fluoroalkylated Heterocycles Containing at Least One Sulfur Atom via Cycloaddition Reactions, Materials, MDPIAG, vol. 15, nr 20, 2022, Numer artykułu: 7244, s. 1-28, DOI:10.3390/ma15207244	140
93	Namiecińska Ewelina, Grazul Magdalena, **Sadowska Beata, Więckowska-Szakiel Marzena, Hikisz Paweł, Pasternak Beata,** Budzisz Elżbieta: Arene-Ruthenium(II) Complexes with Carbothiamidopyrazoles as a Potential Alternative for Antibiotic Resistance in Human, Molecules, vol. 27, nr 2, 2022, Numer artykułu: 468, s. 1-24, DOI:10.3390/molecules27020468	140
94	Nasti Giuseppe, Aldamasy Mahmoud Hussein, Flatken Marion Alwine, Musto Pellegrino, **Matczak Piotr,** Dallmann André, Hoell Armin, Musiienko Artem, Hempel Hannes, Aktas Ece: Pyridine Controlled Tin Perovskite Crystallization, ACS Energy Letters, vol. 7, nr 10, 2022, s. 3197-3203, DOI:10.1021/acsenergylett.2c01749, łączna liczba autorów: *17*	200
95	Nejman Alicja, Baranowska-Korczyc Anna, **Ranoszek-Soliwoda Katarzyna,** Jasińska Izabela, **Celichowski Grzegorz,** Cieślak Małgorzata: Silver Nanowires and Silanes in Hybrid Functionalization of Aramid Fabrics, Molecules, vol. 27, nr 6, 2022, Numer artykułu: 1952, s. 1-21, DOI:10.3390/molecules27061952	140
96	Nosal-Wiercińska Agnieszka, Martyna Marlena, **Skrzypek Sławomira,** Szabelska Anna, Wiśniewska Małgorzata: Electroreduction of Bi(III) ions in the aspect of expanding the "cap-pair" effect: the role of the nanosized active complexes, Applied Nanoscience, vol. 12, nr 4, 2022, s. 947-955, DOI:10.1007/s13204-021-01758-y	100
97	Orczykowski Wojciech, Bieliński Dariusz M., Anyszka Rafał, Gozdek Tomasz, Klajn Katarzyna, **Celichowski Grzegorz,** Pędzich Zbigniew, Wojteczko Agnieszka: Fly Ash from Lignite Combustion as a Filler for Rubber Mixes—Part II: Chemical Valorisation of Fly Ash, Materials, MDPIAG, vol. 15, nr 17, 2022, Numer artykułu: 5979, s. 1-24, DOI:10.3390/ma15175979	140
98	Padzik Marcin, Chomicz Lidia, Bluszcz Julita, Maleszewska Karolina, **Grobelny Jarosław,** Conn David Bruce, Hendiger Edyta B.: Tannic Acid-Modified Silver Nanoparticles in Conjunction with Contact Lens Solutions Are Useful for Progress against the Adhesion of Acanthamoeba spp. to Contact Lenses, Microorganisms, vol. 10, nr 6, 2022, Numer artykułu: 1076, s. 1-11, DOI:10.3390/microorganisms10061076	40
99	**Piechocka Justyna, Litwicka Natalia, Głowacki Rafał:** Identification and Determination of 1,3-Thiazinane-4-carboxylic Acid in Human Urine - Chromatographic Studies, International Journal of Molecular Sciences, Multidisciplinary Digital Publishing Institute (MDPI), vol. 23, nr 2, 2022, Numer artykułu: 598, s. 1-19, DOI:10.3390/ijms23020598	140

100	Piechocki Krzysztof, Koynov Kaloian, **Piechocka Justyna,** Chamerski Kordian, Filipecki Jacek, Maczugowska Paulina, Kozanecki Marcin: Small molecule diffusion in poly-(olygo ethylene glycol methacrylate) based hydrogels studied by fluorescence correlation spectroscopy, Polymer, Elsevier B.V., vol. 244, 2022, Numer artykułu: 124628, s. 1-11, DOI:10.1016/j.polymer.2022.124628	100
101	**Półtorak Łukasz:** Elektroanaliza z wykorzystaniem granic fazowych typu ciecz-ciecz, Wiadomości Chemiczne, vol. 76, nr 11-12, 2022, s. 841-860	20
102	Priyanka Prabhakar, Jayanna Bidarur K., Divakara Thayamma R., Suresha Gejjalagere P., Vinaya -, Basavaraju Yeriyur B., Yathirajan Hemmige S., Parkin Sean R., **Chęcińska Lilianna:** Hydrogen-Bonded Chain of Rings Motif in N-(4-Methoxyphenyl)piperazin-1-ium Salts with Benzoate Anions: Supramolecular Assemblies and Their Energy Frameworks, Crystals, MDPI AG, vol. 12, nr 12, 2022, Numer artykułu: 1807, s. 1-13, DOI:10.3390/cryst12121807	70
103	**Psarski Maciej, Lech Agnieszka, Celichowski Grzegorz:** Plasmonic heating of protected silver nanowires for anti-frosting superhydrophobic coating, Nanotechnology, vol. 33, nr 46, 2022, Numer artykułu: 465205, s. 1-13, DOI:10.1088/1361-6528/ac86dc	100
104	Pudlarz Agnieszka M., **Ranoszek-Soliwoda Katarzyna,** Karbownik Michał S., **Czechowska Ewa, Tomaszewska Emilia, Celichowski Grzegorz, Grobelny Jarosław,** Chabielska Ewa, Gromotowicz-Popławska Anna, Szemraj Janusz: Antioxidant enzymes immobilized on gold and silver nanoparticles enhance DNA repairing systems of rat skin after exposure to ultraviolet radiation, Nanomedicine-Nanotechnology Biology and Medicine, vol. 43, 2022, Numer artykułu: 102558, s. 1-11, DOI:10.1016/j.nano.2022.102558	140
105	Sebechlebská Táňa, Vaněčková Eva, Choińska-Młynarczyk Marta Katarzyna, Navrátil Tomáš, **Półtorak Łukasz,** Bonini Andrea, Vivaldi Federico, Kolivoška Viliam: 3D Printed Platform for Impedimetric Sensing of Liquids and Microfluidic Channels, Analytical Chemistry, vol. 94, nr 41, 2022, s. 14426-14433, DOI:10.1021/acs.analchem.2c03191	140
106	Shafikov Marsel Z., Hodgson Craig, Górski Aleksander, **Kowalczyk Aleksandra, Gapińska Magdalena, Kowalski Konrad,** Czerwieniec Rafał, Kozhevnikov Valery N.: Benzannulation of a ditopic ligand to afford mononuclear and dinuclear Ir(III) complexes with intense phosphorescence: applications in singlet oxygen generation and bioimaging, Journal of Materials Chemistry C, Royal Society of Chemistr, vol. 10, nr 5, 2022, s. 1870-1877, DOI:10.1039/d1tc05271c	140
107	Shafikov Marsel Z., Suleymanova Alfiya F., Kutta Roger J., Gorski Alexander, **Kowalczyk Aleksandra, Gapińska Magdalena, Kowalski Konrad,** Czerwieniec Rafał: Ligand design and nuclearity variation towards dual emissive Pt(II) complexes for singlet oxygen generation, dual channel bioimaging, and theranostics, Journal of Materials Chemistry C, Royal Society of Chemistr, vol. 10, nr 14, 2022, s. 5636-5647, DOI:10.1039/d2tc00257d	140
108	Skowron Ewelina, Spilarewicz-Stanek Kaja, **Guziejewski Dariusz, Koszelska Kamila,** Metelka Radovan, **Smarzewska Sylwia:** Analytical Performance of Clay Paste Electrode and Graphene Paste Electrode-Comparative Study, Molecules, vol. 27, nr 7, 2022, Numer artykułu: 2037, s. 1-10, DOI:10.3390/molecules27072037	140
109	Słowiński Daniel, Świerczyńska Małgorzata, **Romański Jarosław,** Podsiadły Radosław: HPLC Study of Product Formed in the Reaction of NBD-Derived Fluorescent Probe with Hydrogen Sulfide, Cysteine, N-acetylcysteine, and Glutathione, Molecules, vol. 27, nr 23, 2022, Numer artykułu: 8305, s. 1-15, DOI:10.3390/molecules27238305	140
110	**Sobczak Karolina, Rudnicki Konrad,** Jedinak Lukas, Zatloukalova Martina, Vacek Jan, **Półtorak Łukasz:** Oleic and nitro-oleic acid behavior at an electrified water-1,2-dichloroethane interface, Journal of Molecular Liquids, Elsevier BV, vol. 365, 2022, Numer artykułu: 120110, s. 1-6, DOI:10.1016/j.molliq.2022.120110	100

111	Stojanov Leon, Rafailovska Angela, Jovanovski Vasko, Mircheski Valentin: Electrochemistry of Copper in Polyacrylic Acid: The Electrode Mechanism and Analytical Application for Gaseous Hydrogen Peroxide Detection, The Journal of Physical Chemistry Part C: Nanomaterials, Interfaces and Hard Matter, American Chemical Society, vol. 126, nr 43, 2022, s. 18313-18322, DOI:10.1021/acs.jpcc.2c05259	140
112	Stojanov Leon, Vasilevski Hristijan, Makreski Petre, Jovanovski Gligor, Mircheski Valentin: Voltammetry of Solid Microparticles of Some Common Iron-and Copper-IronSulfide Minerals, International Journal of Electrochemical Science, vol. 17, nr 3, 2022, Numer artykułu: 220346, s. 1-14, DOI:10.20964/2022.03.46	40
113	**Szczerbiec Dominika, Piechocka Justyna, Głowacki Rafał, Torzewska Agnieszka:** Organic Acids Secreted by Lactobacillus spp. Isolated from Urine and Their Antimicrobial Activity against Uropathogenic Proteus mirabilis, Molecules, vol. 27, nr 17, 2022, Numer artykułu: 5557, s. 1-15, DOI:10.3390/molecules27175557	140
114	Szczesio-Wlodarczyk Agata, Fronczek Magdalena, **Ranoszek-Soliwoda Katarzyna, Grobelny Jarosław,** Sokołowski Jerzy, Bociong Kinga: The First Step in Standardizing an Artificial Aging Protocol for Dental Composites-Evaluation of Basic Protocols, Molecules, vol. 27, nr 11, 2022, Numer artykułu: 3511, s. 1-20, DOI:10.3390/molecules27113511	140
115	**Szczukocki Dominik, Krawczyk Barbara, Czarny-Krzymińska Karolina, Skierska Emilia,** Mikinka Igor: Zastosowanie metod chemometrycznych w ocenie jakości wód zbiorników Jeziorsko i Sulejów, Gospodarka Wodna, Wydawnictwo SIGMA - N O T Sp. z o.o., nr 11, 2022, s. 4-13, DOI:10.15199/22.2022.11.1	40
116	Tomaš Renato, **Kinart Zdzisław,** Tot Aleksandar, Papović Snežana, Borović Teona Teodora, Vraneš Milan: Volumetric properties, conductivity and computation analysis of selected imidazolium chloride ionic liquids in ethylene glycol, Journal of Molecular Liquids, Elsevier BV, vol. 345, 2022, Numer artykułu: 118178, s. 1-14, DOI:10.1016/j.molliq.2021.118178	100
117	**Tomaszewska Emilia, Ranoszek-Soliwoda Katarzyna, Bednarczyk Katarzyna, Lech Agnieszka,** Janicka Martyna, Chodkowski Marcin, **Psarski Maciej, Celichowski Grzegorz,** Krzyzowska Malgorzata, **Grobelny Jarosław:** Anti-HSV Activity of Metallic Nanoparticles Functionalized with Sulfonates vs. Polyphenols, International Journal of Molecular Sciences, Multidisciplinary Digital Publishing Institute (MDPI), vol. 23, nr 21, 2022, Numer artykułu: 13104, s. 1-16, DOI:10.3390/ijms232113104	140
118	**Tomczyk Danuta,** Bukowski Wiktor, Bester Karol, **Kaczmarek Michalina:** Electrocatalytic Properties of Ni(II) Schiff Base Complex Polymer Films, Materials, MDPIAG, vol. 15, nr 1, 2022, Numer artykułu: 191, s. 1-17, DOI:10.3390/ma15010191	140
119	**Tomczyk Danuta, Seliger Piotr,** Bukowski Wiktor, Bester Karol: The Influence of Electrolyte Type on Kinetics of Redox Processes in the Polymer Films of Ni(II) Salen-Type Complexes, Molecules, vol. 27, nr 6, 2022, Numer artykułu: 1812, s. 1-21, DOI:10.3390/molecules27061812	140
120	**Tracz Aleksandra, Malinowska Martyna, Leśniak Stanisław, Zawisza Anna:** Aziridine Ring Opening as Regio- and Stereoselective Access to C-Glycosyl-Aminoethyl Sulfide Derivatives, Molecules, vol. 27, nr 6, 2022, Numer artykułu: 1764, s. 1-14, DOI:10.3390/molecules27061764	140
121	**Tyczyńska Magdalena, Wasiak Michał:** Micellar properties of selected benzalkonium surfactants by calorimetric analysis, Journal of Molecular Liquids, Elsevier BV, vol. 360, 2022, Numer artykułu: 119382, s. 1-8, DOI:10.1016/j.molliq.2022.119382	100
122	**Ullah Nabi,** Qazi Raina Aman, Ullah Sami, Khan Saraf: Application and importance of scanning and transmissionelectron microscopes in science and technology, Contributions. Section of Natural, Mathematical and Biotechnical Sciences, vol. 43, nr 1-2, 2022, s. 27-37, DOI:10.20903/masa/nmbsci.2022.43.13	5

123	**Ullah Nabi, Guziejewski Dariusz,** Khan Sumiara Irum, Muhammad Noaman, Ullah Atta, Rahayu Farida: Nickel based metal carbides as electrocatalystsfor methanol oxidation reaction, Contributions. Section of Natural, Mathematical and Biotechnical Sciences, vol. 43, nr 1-2, 2022, s. 47-57, DOI:10.20903/masa/nmbsci.2022.43.4	5
124	**Utecht-Jarzyńska Greta, Kowalczyk Anna, Jasiński Marcin Pawel:** Fluorinated and Non-Fluorinated 1,4-Diarylpyrazoles via MnO2-Mediated Mechanochemical Deacylative Oxidation of 5-Acylpyrazolines, Molecules, vol. 27, nr 23, 2022, Numer artykułu: 8446, s. 1-16, DOI:10.3390/molecules27238446	140
125	Vasilenko Tatyana, Kirillov Andrey, Islamov Akhmed, Doroshkevich Alexander, Łudzik-Dychto Katarzyna, Chudoba Dorota M., Mita Carmen: Permeability of a coal seam with respect to fractal features of pore space of fossil coals, Fuel, vol. 329, 2022, Numer artykułu: 125113, s. 1-8, DOI:10.1016/j.fuel.2022.125113	140
126	**Wieczorek-Błauż Anna, Kowalczyk Karolina, Błauż Andrzej,** Makal Anna, Pawlędzio Sylwia, Eurtivong Chatchakorn, Arabshahi Homayon J., Reynisson Jóhannes, **Rychlik Błażej, Plażuk Damian:** Impact of the ferrocenyl group on cytotoxicity and KSP inhibitory activity of ferrocenyl monastrol conjugates, Dalton Transactions, RSC Publications, vol. 51, nr 2, 2022, s. 387-752, DOI:10.1039/d1dt03553c, łączna liczba autorów: *11*	140
127	**Wrona-Piotrowicz Anna,** Makal Anna, **Zakrzewski Janusz:** Highly Fluorescent Dyes Containing Conformationally Restrained Pyrazolylpyrene (Pyrazoolympicene) Chromophore, Molecules, vol. 27, nr 4, 2022, Numer artykułu: 1272, s. 1-2, DOI:10.3390/molecules27041272	140
128	Wrzesińska Angelika, **Tomaszewska Emilia, Ranoszek-Soliwoda Katarzyna,** Bobowska Izabela, **Grobelny Jarosław,** Ulański Jacek, Wypych-Puszkarz Aleksandra: Gold Nanoparticles as Effective ion Traps in Poly(dimethylsiloxane) Cross-Linked by Metal-Ligand Coordination, Molecules, vol. 27, nr 11, 2022, Numer artykułu: 3579, s. 1-15, DOI:10.3390/molecules27113579	140
129	**Wzgarda-Raj Kinga, Rybarczyk-Pirek Agnieszka,** Wojtulewski Sławomir, **Palusiak Marcin:** A novel hydrogen-bonding N-oxide-sulfonamide-nitro N—H...O synthon determining the architecture of benzenesulfonamide cocrystals, Acta Crystallographica Section C-Structural Chemistry, vol. 78, nr 1, 2022, s. 7-13, DOI:10.1107/S2053229621012511	140
130	**Wzgarda-Raj Kinga, Książkiewicz Olga, Palusiak Marcin:** Co-crystal synthesis of 2- and 4-mercaptopyridines with thiourea and its analogue, trithiocyanuric acid, CrystEngComm, vol. 24, nr 29, 2022, s. 5340-5347, DOI:10.1039/d2ce00592a	100
131	**Wzgarda-Raj Kinga, Rybarczyk-Pirek Agnieszka,** Wojtulewski Sławomir, **Palusiak Marcin:** Novel melamine - salicylic salt solvates and co-crystals; an analysis of the energetic parameters of the intermolecular hydrogen bonds stabilizing the crystal structure, CrystEngComm, vol. 24, nr 32, 2022, s. 5688-5696, DOI:10.1039/D2CE00684G	100
132	Zissimou Georgia A., **Bartos Paulina,** Pietrzak Anna, **Kaszyński Piotr:** "Upper" Ring Expansion of the Planar Blatter Radical via Photocyclization: Limitations and Impact on the Electronic Structure, Journal of Organic Chemistry, vol. 87, nr 7, 2022, s. 4829-4837, DOI:10.1021/acs.joc.2c00178	140
133	Żesławska Ewa, **Zakrzewski Robert, Nowicki Arkadiusz,** Korona-Głowniak Izabela, Lyčka Antonín, Kania Agnieszka, Zborowski Krzysztof Kazimierz, Suder Piotr, Skórska-Stania Agnieszka, Tejchman Waldemar: Synthesis, Crystal Structures, Lipophilic Properties and Antimicrobial Activity of 5-Pyridylmethylidene-3-rhodanine-carboxyalkyl Acids Derivatives, Molecules, vol. 27, nr 13, 2022, Numer artykułu: 3975, s. 1-18, DOI:10.3390/molecules27133975	140
134	Żubrycka Anna, Kwaśnica Andrzej, Haczkiewicz Monika, **Sipa Karolina, Rudnicki Konrad, Skrzypek Sławomira, Półtorak Łukasz:** Illicit drugs street samples and their cutting agents. The result of the GC-MS based profiling define the guidelines for sensors development, Talanta, Elsevier BV, vol. 237, 2022, Numer artykułu: 122904, s. 1-8, DOI:10.1016/j.talanta.2021.122904	100

135	Żyro Dominik, Radko Lidia, Śliwińska Agnieszka, **Chęcińska Lilianna,** Kusz Joachim, Korona-Głowniak Izabela, Przekora Agata, Wójcik Michał, Posyniak Andrzej, Ochocki Justyn: Multifunctional Silver(I) Complexes with Metronidazole Drug Reveal Antimicrobial Properties and Antitumor Activity against Human Hepatoma and Colorectal Adenocarcinoma Cells, Cancers, Multidisciplinary Digital Publishing Institute (MDPI), vol. 14, nr 4, 2022, Numer artykułu: 900, s. 1-24, DOI:10.3390/cancers14040900 — 140
inne	
1	**Kurpet Katarzyna, Chwatko Grażyna:** S100 Proteins in Psoriasis and Other Autoimmune Diseases, 2022, inne — —
2021	
Rozdziały z monografii	
1	**Fenyk Anna, Zieliński Marek, Miękoś Ewa,** Horak Wojciech: Przegląd oraz porównanie właściwości wybranych materiałów magnetoreologicznych, W: Poszerzamy Horyzonty. Tom XXIV / Bogusz Małgorzata , Piotrowska-Puchała Agnieszka, Wojcieszak Monika (red.), Numer artykułu: 2, 2021, Mateusz Weiland Network Solutions, ISBN 978-83-63216-48-1, s. 156-163 — 5
2	**Krzyczmonik Paweł,** Bozal-Palabiyik Burcin, **Skrzypek Sławomira,** Uslu Bengi: Quantum dots-based sensors using solid electrodes, W: Electroanalytical Applications of Quantum Dot-Based Biosensors / Uslu Bengi (red.), Numer artykułu: 3, 2021, Elsevier, ISBN 978-0-12-821670-5, s. 81-120, DOI:10.1016/B978-0-12-821670-5.00007-5 — 20
3	**Marciniak Lena, Pieczonka Adam, Rachwalski Michał:** Techniki wytwarzania cienkich warstw półprzewodzących w elektronice organicznej, W: Nauka, Badania i Doniesienia Naukowe. Nauki techniczne i ścisłe. Część 1 / Wysoczański Tobiasz, Dereń Katarzyna (red.), 2021, Idea Knowledge Future, ISBN 978-83-958175-6-4, s. 17-27 — 5
4	**Smarzewska Sylwia, Guziejewski Dariusz:** Soil remediation technologies, W: Handbook of Advanced Approaches Towards Pollution Prevention and Control / Abdel Rahman Rehab O. , Hussain Chaudhery Mustansar (red.), 2021, Elsevier, ISBN 9780128221211, s. 193-219, DOI:10.1016/b978-0-12-822121-1.00010-2 — 20
5	**Smarzewska Sylwia, Morawska Kamila:** Wastewater treatment technologies, W: Handbook of Advanced Approaches Towards Pollution Prevention and Control / Abdel Rahman Rehab O. , Hussain Chaudhery Mustansar (red.), 2021, Elsevier, ISBN 9780128221211, s. 3-32, DOI:10.1016/b978-0-12-822121-1.00001-1 — 20
Artykuły z czasopism	
1	**Adamczyk Justyna Anna,** Zielonka Karolina, Kotarba Sylwia, Saramak Jakub, Glowacki Ireneusz, **Rachwalski Michał, Pieczonka Adam Marek:** Photophysical properties of novel fluorescent thin solid layers based on the Aggregation Induced Emission of alkoxy-substituted salicylaldehyde azines, Journal of Luminescence, vol. 229, 2021, Numer artykułu: 117668, s. 1-19, DOI:10.1016/j.jlumin.2020.117668 — 100
2	Baluchová Simona, Schwarzová-Pecková Karolina, Taylor Andrew, Brycht Mariola, Mortet Vincent, Sedláková Silvia, Klimša Ladislav, Kopeček Jaromír: Comparison of electrochemical performance of various boron-doped diamond electrodes: Dopamine sensing in biomimicking media used for cell cultivation, Bioelectrochemistry, vol. 137, 2021, Numer artykułu: 107646, s. 1-12, DOI:10.1016/j.bioelechem.2020.107646 — 100
3	Bankiewicz Barbara, **Palusiak Marcin:** Cooperation/Competition between Halogen Bonds and Hydrogen Bonds in Complexes of 2,6-Diaminopyridines and X-CY3 (X, Symmetry-Basel, vol. 13, nr 5, 2021, Numer artykułu: 766, s. 1-15, DOI:10.3390/sym13050766 — 70

4	Bankiewicz Barbara, Kupfer Stephan, **Matczak Piotr:** Tuning the metal–ligand bond in the σ -complexes of stannylenes and azabenzenes, Journal of Computational Chemistry, Wiley Periodicals, Inc., A Wiley Company, vol. 42, nr 29, 2021, s. 2103-2115, DOI:10.1002/jcc.26741	100
5	**Baranowska-Korczyc Anna, Mackiewicz Ewelina, Ranoszek-Soliwoda Katarzyna,** Nejman Alicja, Trasobares Susana, **Grobelny Jarosław,** Cieślak Małgorzata, **Celichowski Grzegorz:** A SnO2 shell for high environmental stability of Ag nanowires applied for thermal management, RSC Advances, Royal Society of Chemistry, vol. 11, nr 7, 2021, s. 4174-4185, DOI:10.1039/d0ra10040d	100
6	**Bartos Paulina,** Hande Aniket A., Pietrzak Anna, Chrostowska Anna, Kaszyński Piotr: Substituent effects on the electronic structure of the flat Blatter radical: Correlation analysis of experimental and computational data, New Journal of Chemistry, RSC Publications, vol. 45, nr 48, 2021, s. 22876-22887, DOI:10.1039/d1nj05137g	70
7	**Belica-Pacha Sylwia, Michalska-Tężycka Martyna, Ciechańska Magdalena, Stępniak Artur, Pałecz Bartłomiej:** The enthalpies of dilution of some dipeptides in water at 298.15K, Journal of Chemical Thermodynamics, Academic Press, vol. 154, 2021, Numer artykułu: 106338, s. 1-8, DOI:10.1016/j.jct.2020.106338	100
8	**Belica-Pacha Sylwia, Małecka Magdalena,** Daśko Mateusz, **Miłowska Katarzyna, Bryszewska Maria,** Budryn Grażyna, Oracz Joanna, **Pałecz Bartłomiej:** The Interaction of Heptakis (2,6-di-O-Methyl)--Cyclodextrin with Mianserin Hydrochloride and Its Influence on the Drug Toxicity, International Journal of Molecular Sciences, Multidisciplinary Digital Publishing Institute (MDPI), vol. 22, nr 17, 2021, Numer artykułu: 9419, s. 1-21, DOI:10.3390/ijms22179419	140
9	**Belica-Pacha Sylwia,** Daśko Mateusz, Buko Vyacheslav, Zavodnik Ilya, **Miłowska Katarzyna, Bryszewska Maria:** Thermodynamic Studies of Interactions between Sertraline Hydrochloride and Randomly Methylated β-Cyclodextrin Molecules Supported by Circular Dichroism Spectroscopy and Molecular Docking Results, International Journal of Molecular Sciences, Multidisciplinary Digital Publishing Institute (MDPI), vol. 22, nr 22, 2021, Numer artykułu: 12357, s. 1-19, DOI:10.3390/ijms222212357	140
10	**Biegański Przemysław, Szczupak Łukasz,** Arruebo Manuel, **Kowalski Konrad:** Brief survey on organometalated antibacterial drugs and metal-based materials with antibacterial activity, RSC Chemical Biology, Royal Society of Chemistry, vol. 2, nr 2, 2021, s. 368-386, DOI:10.1039/D0CB00218F	20
11	**Błauż Andrzej, Rychlik Błażej, Plażuk Damian,** Peccati Francesca, Jimenez-Oses Gonzalo, Steinke Urszula, Sierant Małgorzata, Trzeciak Katarzyna, Skorupska Ewa, Miksa Beata: Biotin-phenosafranin as a new photosensitive conjugate for targeted therapy and imaging, New Journal of Chemistry, RSC Publications, vol. 45, nr 21, 2021, s. 9691-9702, DOI:10.1039/D0NJ06170K	70
12	**Borgul Paulina, Pawlak Patrycja, Rudnicki Konrad, Sipa Karolina, Krzyczmonik Paweł,** Trynda Anna, **Skrzypek Sławomira,** Herzog Grégoire, **Półtorak Łukasz:** Ephedrine sensing at the electrified liquid-liquid interface supported with micro-punched self-adhesive polyimide film, Sensors and Actuators B - Chemical, Elsevier S.A., vol. 344, 2021, Numer artykułu: 130286, s. 1-9, DOI:10.1016/j.snb.2021.130286	140
13	**Borowczyk Kamila, Głowacki Rafał:** The Influence of UV Varnishes on the Content of Cysteine and Methionine in Women Nail Plates - Chromatographic Studies, International Journal of Molecular Sciences, Multidisciplinary Digital Publishing Institute (MDPI), vol. 22, nr 22, 2021, Numer artykułu: 12447, s. 1-13, DOI:10.3390/ijms222212447	140
14	**Boruń Agnieszka, Wypych-Stasiewicz Anna:** Conductivity studies of 1:1 electrolytes in water+methanol mixtures at 298.15K, Journal of Molecular Liquids, Elsevier BV, vol. 344, 2021, Numer artykułu: 11769, s. 1-7, DOI:10.1016/j.molliq.2021.117695	100

15	**Brycht Mariola,** Mortet Vincent, Krůšek Jan, Baluchová Simona, Taylor Andrew, Dittert Ivan, Sedláková Silvia, Klimša Ladislav, Kopeček Jaromír, Schwarzová-Pecková Karolina: Enhancing electroanalytical performance of porous boron-doped diamond electrodes by increasing thickness for dopamine detection, Analytica Chimica Acta, vol. 1182, 2021, Numer artykułu: 338949, s. 1-16, DOI:10.1016/j.aca.2021.338949	100
16	**Brycht Mariola, Łukawska Anna,** Frühbauerová Michaela, Pravcová Kateřina, Metelka Radovan, **Skrzypek Sławomira,** Sýs Milan: Rapid monitoring of fungicide fenhexamid residues in selected berries and wine grapes by square-wave voltammetry at carbon-based electrodes, Food Chemistry, vol. 338, 2021, Numer artykułu: 127975, s. 1-7, DOI:10.1016/j.foodchem.2020.127975	200
17	**Buchcic-Szychowska Aleksandra, Adamczyk Justyna, Marciniak Lena, Pieczonka Adam, Zawisza Anna, Leśniak Stanisław, Rachwalski Michał:** Efficient Asymmetric Simmons-Smith Cyclopropanation and Diethylzinc Addition to Aldehydes Promoted by Enantiomeric Aziridine-Phosphines, Catalysts, vol. 11, nr 8, 2021, Numer artykułu: 968, s. 1-11, DOI:10.3390/catal11080968	100
18	**Buczkowski Adam, Malinowska-Michalak Małgorzata, Stępniak Artur, Tokarz Paweł, Urbaniak Paweł, Pałecz Bartłomiej:** Calorimetric and spectroscopic studies of interactions of PPI G4 dendrimer with tegafur in aqueous solutions, Journal of Molecular Liquids, Elsevier BV, vol. 334, 2021, Numer artykułu: 116118, s. 1-9, DOI:10.1016/j.molliq.2021.116118	100
19	**Buczkowski Adam, Dominikowska Justyna, Urbaniak Paweł, Tokarz Paweł,** Guć Maria, Schroeder Grzegorz: Doubly or triply protonated? Complexes of cucurbit[n]urils (n = 6-8) with a tripodal ligand tris(2-aminoethyl)amine (TREN), Journal of Molecular Liquids, Elsevier BV, vol. 336, 2021, Numer artykułu: 116347, s. 1-11, DOI:10.1016/j.molliq.2021.116347	100
20	**Buczkowski Adam, Tokarz Paweł, Pałecz Bartłomiej:** Thermodynamic study of ethanol impact on gemcitabine binding to cucurbit[7]uril in aqueous solutions, Journal of Chemical Thermodynamics, Academic Press, vol. 153, 2021, Numer artykułu: 106317, s. 1-12, DOI:10.1016/j.jct.2020.106317	100
21	Buddensiek Dirk, **Mlostoń Grzegorz, Matczak Piotr,** Voss Jürgen: A DFT study on the mechanism of the formation of 1,4,2,3-dithiadiazinanes by head-to-head [3 + 3] cyclodimerization of thiocarbonyl S-imides, Journal of Physical Organic Chemistry, John Wiley & Sons Ltd., vol. 34, nr 4, 2021, Numer artykułu: e4170, s. 1-10, DOI:10.1002/poc.4170	40
22	**Chrabąszcz Karolina, Błauż Andrzej, Gruchała Martyna, Wachulec Marcin, Rychlik Błażej, Plażuk Damian:** Synthesis and Biological Activity of Ferrocenyl and Ruthenocenyl Analogues of Etoposide: Discovery of a Novel Dual Inhibitor of Topoisomerase II Activity and Tubulin Polymerization, Chemistry-A European Journal, Wiley - V C H Verlag GmbH & Co. KGaA, vol. 27, nr 20, 2021, s. 6254-6262, DOI:10.1002/chem.202005133	140
23	Chudoba Dorota, Jażdżewska Monika, Łudzik-Dychto Katarzyna, Wołoszczuk Sebastian, Juszyńska-Gałązka Ewa, Kościński Mikołaj: Description of Release Process of Doxorubicin from Modified Carbon Nanotubes, International Journal of Molecular Sciences, Multidisciplinary Digital Publishing Institute (MDPI), vol. 22, nr 21, 2021, Numer artykułu: 12003, s. 1-20, DOI:10.3390/ijms222112003	140
24	Chudzik Joanna, Bieliński Dariusz M., Bratychak Michael, Demchuk Yuriy, Astakhova Olena, Jędrzejczyk Marcin, **Celichowski Grzegorz:** Influence of Modified Epoxy Resins on Peroxide Curing, Mechanical Properties and Adhesion of SBR, NBR and XNBR to Silver Wires—Part II: Application of Carboxy-Containing Peroxy Oligomer (CPO), Materials, MDPIAG, vol. 14, nr 5, 2021, Numer artykułu: 1285, s. 1-20, DOI:10.3390/ma14051285	140
25	Chudzik Joanna, Bieliński Dariusz M., Bratychak Michael, Demchuk Yuriy, Astakhova Olena, Jędrzejczyk Marcin, **Celichowski Grzegorz:** Influence of Modified Epoxy Resins on Peroxide Curing, Mechanical Properties and Adhesion of SBR, NBR and XNBR to Silver Wires.	140

	Part I: Application of Monoperoxy Derivative of Epoxy Resin (PO), Materials, MDPIAG, vol. 14, nr 5, 2021, Numer artykułu: 1320, s. 1-23, DOI:10.3390/ma14051320	
26	**Ciastek-Iskrzycka Sylwia,** Szczytko Jacek, Monobe Hirosato, Pociecha Damian, **Jasiński Marcin Paweł,** Kaszyński Piotr: Paramagnetic ionic liquid crystals: Ion conductive bent-core derivatives of stable radicals, Journal of Molecular Liquids, Elsevier BV, vol. 337, 2021, Numer artykułu: 116028, s. 1-7, DOI:10.1016/j.molliq.2021.116028	100
27	**Czarny-Krzymińska Karolina, Krawczyk Barbara, Szczukocki Dominik:** Toxic effects of bisphenol A and its analogues on cyanobacteria Anabaena variabilis and Microcystis aeruginosa, Chemosphere, vol. 263, 2021, Numer artykułu: 128299, DOI:10.1016/j.chemosphere.2020.128299	140
28	Denhof Andreas, Olaru Marian, Lork Enno, Mebs Stefan, **Chęcińska Lilianna,** Beckmann Jens: Silyl Cations Stabilized by Pincer Type Ligands with Adjustable Donor Atoms, European Journal of Inorganic Chemistry, John Wiley & Sons, vol. 2020, nr 43, 2021, s. 4093-4110, DOI:10.1002/ejic.202000800	70
29	Dominikowska Justyna, **Rybarczyk-Pirek Agnieszka,** Fonseca Guerra Célia: Lack of Cooperativity in the Triangular X3 Halogen-Bonded Synthon?, Crystal Growth & Design, American Chemical Society, vol. 21, nr 1, 2021, s. 597-607, DOI:10.1021/acs.cgd.0c01410	100
30	Dulski Mateusz, Gawecki Robert, Sułowicz Sławomir, **Cichomski Michał,** Kazek-Kęsik Alicja, Wala Marta, Leśniak-Ziółkowska Katarzyna, Simka Wojciech, Mrozek-Wilczkiewicz Anna, Gawęda Magdalena: Key Properties of a Bioactive Ag-SiO2/TiO2 Coating on NiTi Shape Memory Alloy as Necessary at the Development of a New Class of Biomedical Materials, International Journal of Molecular Sciences, Multidisciplinary Digital Publishing Institute (MDPI), vol. 22, nr 2, 2021, Numer artykułu: 507, s. 1-17, DOI:10.3390/ijms22020507, łączna liczba autorów: *12*	140
31	**Festinger Natalia, Lemiesz Adrianna, Skowron Ewelina, Smarzewska Sylwia, Ciesielski Witold:** A comparison of Edge-plane and Basal-plane Pyrolytic Graphite Electrodes Towards Sensitive Determination of the Fungicide Mandipropamid, Electroanalysis, Wiley - V C H Verlag GmbH & Co. KGaA, vol. 33, nr 4, 2021, s. 854-863, DOI:10.1002/elan.202060387	70
32	Festinger Natalia, **Smarzewska Sylwia, Ciesielski Witold:** Comparative study of boron-doped diamond, basal-plane pyrolytic graphite, and graphite flake paste electrodes for the voltammetric determination of rivaroxaban and dabigatran etexilate in pharmaceuticals and urine samples, Diamond and Related Materials, vol. 118, 2021, Numer artykułu: 108539, s. 1-10, DOI:10.1016/j.diamond.2021.108539	100
33	**Festinger Natalia, Smarzewska Sylwia,** Mircheski Valentin, **Ciesielski Witold:** Voltammetric Determination of an Anti-rheumatoid Drug Acemetacin on Graphite Flake Paste Electrode and Glassy Carbon Electrode, Electroanalysis, Wiley - V C H Verlag GmbH & Co. KGaA, vol. 33, nr 2, 2021, s. 314-322, DOI:10.1002/elan.202060267	70
34	Gajda-Morszewski Przemysław, Gurgul Ilona, Janczy-Cempa Ewelina, Mazuryk Olga, Łomzik Michał, Brindell Małgorzata: Inhibition of Matrix Metalloproteinases and Cancer Cell Detachment by Ru(II) Polypyridyl Complexes Containing 4,7-Diphenyl-1,10-phenanthroline Ligands - New Candidates for Antimetastatic Agents, Pharmaceuticals, Multidisciplinary Digital Publishing Institute (MDPI), vol. 14, nr 10, 2021, Numer artykułu: 1014, s. 1-12, DOI:10.3390/ph14101014	100
35	**Gaweł Marta, Piechocka Justyna:** Włosy – nie tylko do czesania, Chemia w Szkole, nr 3, 2021, s. 18-21	—
36	Gil-Moles Maria, Türck Sebastian, Basu Uttara, Pettenuzzo Andrea, Bhattacharya Saurav, Rajan Ananthu, Ma Xiang, **Skiba Joanna, Szczupak Łukasz, Kowalski Konrad:** Metallodrug Profiling against SARS-CoV-2 Target Proteins Identifies Highly Potent Inhibitors of the S/ACE2 interaction and the Papain-like Protease PLpro, Chemistry-A European	140

	Journal, Wiley - V C H Verlag GmbH & Co. KGaA, vol. 27, nr 71, 2021, s. 17928-17940, DOI:10.1002/chem.202103258, łączna liczba autorów: *41*	
37	Hirai Yuichi, **Wrona-Piotrowicz Anna, Zakrzewski Janusz,** Brosseau Arnaud, Métivier Rémi, Allain Clémence: Mechanofluorochromism of pyrenyl acrylates with different substitutional position and steric hindrance, Journal of Photochemistry and Photobiology A-Chemistry, vol. 405, 2021, Numer artykułu: 112972, s. 1-6, DOI:10.1016/j.jphotochem.2020.112972	70
38	Hirai Yuichi, Laize-Générat Lucie, **Wrona-Piotrowicz Anna, Zakrzewski Janusz,** Makal Anna, Brosseau Arnaud, Michely Laurent, Versace Davy-Louis, Allain Clémence, Métivier Rémi: Multi-Directional Mechanofluorochromism of Acetyl Pyrenes and Pyrenyl Ynones, ChemPhysChem, vol. 22, nr 15, 2021, s. 1638-1644, DOI:10.1002/cphc.202100294	100
39	**Ignaczak Anna, Orszański Łukasz:** In Search of the Most Stable Molecular Configuration of Heptakis(2,6-O-dimethyl)-β-cyclodextrin and Its Complex with Mianserin: A Comparison of the B3LYP-GD2 and M062X-GD3 Results, Journal of Physical Chemistry B, American Chemical Society, vol. 125, nr 48, 2021, s. 13077-13087, DOI:10.1021/acs.jpcb.1c06831	140
40	Ilyich T. V., Kovalenia T. A., Lapshina E. A., **Stępniak Artur, Pałecz Bartłomiej,** Zavodnik I. B.: Thermodynamic parameters and mitochondrial effects of supramolecular complexes of quercetin with β-cyclodextrins, Journal of Molecular Liquids, Elsevier BV, vol. 325, 2021, Numer artykułu: 115184, s. 1-9, DOI:10.1016/j.molliq.2020.115184	100
41	**Jóźwiak Małgorzata, Urban Aleksandra, Tyczyńska Magdalena:** Effect of properties of N,N-dimethylformamide + propan-1-ol mixtures on the solution enthalpy of selected cyclic ethers in these mixtures at 298.15 K. The contribution of solvent to the enthalpy of solvation of cyclic ethers, Journal of Molecular Liquids, Elsevier BV, vol. 321, 2021, Numer artykułu: 114754, s. 1-19, DOI:10.1016/j.molliq.2020.114754	100
42	Kaczkowska Emilia, Wawer Jarosław, **Tyczyńska Magdalena, Jóźwiak Małgorzata,** Krakowiak Joanna: Understanding the interactions between protein stabilizers and the peptide bond through the analysis of the volumetric and compressibility properties for the model systems, Journal of Chemical Thermodynamics, Academic Press, vol. 160, 2021, Numer artykułu: 10648, s. 1-10, DOI:10.1016/j.jct.2021.106485	100
43	**Kaczmarek Katarzyna, Leniart Andrzej,** Lapinska Barbara, **Skrzypek Sławomira,** Lukomska-Szymanska Monika: Selected Spectroscopic Techniques for Surface Analysis of Dental Materials: A Narrative Review, Materials, MDPIAG, vol. 14, nr 10, 2021, Numer artykułu: 2624, s. 1-25, DOI:10.3390/ma14102624	140
44	**Kapuściński Szymon,** Szczytko Jacek, Pociecha Damian, **Jasiński Marcin Paweł,** Kaszyński Piotr: Discs, dumbbells and superdiscs: molecular and supermolecular architecture dependent magnetic behavior of mesogenic Blatter radical derivatives, Materials Chemistry Frontiers, Royal Society of Chemistry, vol. 5, nr 17, 2021, s. 6512-6521, DOI:10.1039/d1qm00391g	70
45	**Kinart Zdzisław:** Conductance studies of sodium salts of selected dicarboxylic acids in water at temperatures of 283.15 K to 313.15 K, Journal of Molecular Liquids, Elsevier BV, vol. 337, 2021, Numer artykułu: 11626, s. 1-9, DOI:10.1016/j.molliq.2021.116262	100
46	Knysh Iryna, Kozakiewicz-Piekarz Anna, Wojtczak Andrzej, **Plażuk Damian,** Baryshnikov Glib, Valiev Rashid, Nasibullin Rinat, Ågren Hans, Ośmiałowski Borys, Zaleśny Robert: Less is more: on the effect of benzannulation on the solid-state emission of difluoroborates, Journal of Materials Chemistry C, Royal Society of Chemistr, vol. 9, nr 44, 2021, s. 15820-15830, DOI:10.1039/D1TC03316F, łączna liczba autorów: *11*	140
47	Korolkov I.V., Łudzik-Dychto Katarzyna, Lisovskaya L.I., Zibert A.V., Yeszhanov A.B., Zdorovets M.V.: Modification of magnetic Fe3O4 nanoparticles for targeted delivery of payloads, Bulletin of the University of Karaganda-Chemistry, vol. 101, nr 1, 2021, s. 99-108, DOI:10.31489/2021Ch1/99-108	20

48	Korolkov Ilya V., Zibert Alexandr V., Lissovskaya Lana I., Łudzik-Dychto Katarzyna, Anisovich M., Kozlovskiy Artem L., Shumskaya Alena E., Vasilyeva M., **Marciniak Beata, Kontek Renata:** Boron and Gadolinium Loaded Fe3O4 Nanocarriers for Potential Application in Neutron Cancer Therapy, International Journal of Molecular Sciences, Multidisciplinary Digital Publishing Institute (MDPI), vol. 22, nr 16, 2021, Numer artykułu: 8687, s. 1-16, DOI:10.3390/ijms22168687, łączna liczba autorów: *14*	140
49	**Kosińska Aneta,** Wojtulewski Sławomir, **Palusiak Marcin, Tokarz Paweł, Rudolf Bogna:** A Useful Synthetic Route to N-Nonsubstituted Succinimides via Light-Induced Degradation of Metallocarbonyl Complexes, Organometallics, American Chemical Society, vol. 40, nr 6, 2021, s. 663-673, DOI:10.1021/acs.organomet.0c00768	100
50	**Koszelska Kamila, Ciesielski Witold, Smarzewska Sylwia:** First electroanalytical studies of methoxyfenozide and its interactions with dsDNA, Journal of Electroanalytical Chemistry, vol. 882, 2021, Numer artykułu: 115030, s. 1-7, DOI:10.1016/j.jelechem.2021.115030	70
51	**Kośka Izabella, Purgat Krystian, Głowacki Rafał, Kubalczyk Paweł:** Simultaneous Determination of Ciprofloxacin and Ofloxacin in Animal Tissues with the Use of Capillary Electrophoresis with Transient Pseudo-Isotachophoresis, Molecules, vol. 26, nr 22, 2021, Numer artykułu: 6931, s. 1-10, DOI:10.3390/molecules26226931	140
52	**Kowalczyk Anna, Utecht-Jarzyńska Greta, Mlostoń Grzegorz, Jasiński Marcin Paweł:** A straightforward access to 3-trifluoromethyl-1H-indazoles via (3+2)-cycloaddition of arynes with nitrile imines derived from trifluoroacetonitrile, Journal of Fluorine Chemistry, Elsevier BV, vol. 241, 2021, Numer artykułu: 109691, s. 1-7, DOI:10.1016/j.jfluchem.2020.109691	70
53	**Kowalczyk Dorota, Rogala Maciej, Szałowski Karol, Kozłowski Witold, Lutsyk Iaroslav, Piskorski Michał, Krukowski Paweł, Dąbrowski Paweł, Cichomski Michał, Klusek Zbigniew:** Local electronic structure of stable monolayers of α-MoO3-x grown on graphite substrate, 2D Materials, IOP Publishing, vol. 8, nr 2, 2021, Numer artykułu: 025005, s. 1-11, DOI:10.1088/2053-1583/abcf10, łączna liczba autorów: *12*	140
54	Kowalewska Anna, Herc Agata S., Bojda Joanna, **Palusiak Marcin,** Markiewicz Ewa, Ławniczak Paweł, Nowacka Maria, Sołtysiak Joanna, Różański Artur, Piorkowska Ewa: Supramolecular interactions involving fluoroaryl groups in hybrid blends of polylactide and ladder polysilsesquioxanes, Polymer Testing, vol. 94, 2021, Numer artykułu: 107033, s. 1-14, DOI:10.1016/j.polymertesting.2020.107033	100
55	**Kowalewska Karolina,** Rodriguez-Prieto Tamara, **Skrzypek Sławomira,** Cano Jesús, Ramírez Rafael Gómez, **Półtorak Łukasz:** Electroanalytical study of five carbosilane dendrimers at the interface between two immiscible electrolyte solutions, Analyst, RSC Publications, vol. 2021, nr 4, 2021, s. 1376-1385, DOI:10.1039/D0AN02101F	100
56	**Kowalski Konrad:** Organometallic nucleosides - Synthesis, transformations, and applications, Coordination Chemistry Reviews, Elsevier BV, vol. 432, 2021, Numer artykułu: 213705, s. 1-37, DOI:10.1016/j.ccr.2020.213705	200
57	Krasowska Dorota, **Karpowicz Rafał,** Drabowicz Józef: Chiral Polythiophenes: Part I: Syntheses of Monomeric Precursors, Molecules, vol. 26, nr 14, 2021, Numer artykułu: 4205, s. 1-29, DOI:10.3390/molecules26144205	140
58	Kudzin Marcin H., Mrozińska Zdzisława, **Urbaniak Paweł:** Vapor Phosphorylation of Cellulose by Phosphorus Trichlo-Ride: Selective Phosphorylation of 6-Hydroxyl Function—The Synthesis of New Antimicrobial Cellulose 6-Phosphate(III)-Copper Complexes, Antibiotics, Multidisciplinary Digital Publishing Institute (MDPI), vol. 10, nr 2, 2021, Numer artykułu: 203, s. 1-27, DOI:10.3390/antibiotics10020203	70
59	**Kurpet Katarzyna, Głowacki Rafał, Chwatko Grażyna:** Simultaneous Determination of Human Serum Albumin and Low-Molecular-Weight Thiols after Derivatization with	140

	Monobromobimane, Molecules, vol. 26, nr 11, 2021, Numer artykułu: 3321, s. 1-18, DOI:10.3390/molecules26113321	
60	**Litwicka Natalia, Piechocka Justyna:** Rozdzielanie chromatograficzne w praktyce szkolnej, Chemia w Szkole : czasopismo dla nauczycieli, Agencja AS Józef Szewczyk, vol. 65 (353), nr 4, 2021, s. 37-45	—
61	**Litwicka Natalia, Piechocka Justyna:** Świat barw, czyli kilka słów o chromatografii, Chemia w Szkole : czasopismo dla nauczycieli, Agencja AS Józef Szewczyk, vol. 65 (351), nr 2, 2021, s. 44-50	—
62	Liu Zilong, Onay Hayati, Guo Fengzhi, Chen Junqing, **Półtorak Łukasz,** Hedayati Pegah, Sudhölter Ernst J.R.: Calcium Carbonate-Modified Surfaces by Electrocrystallization To Study Anionic Surfactant Adsorption, Energy & Fuels, vol. 35, nr 2, 2021, s. 1358-1370, DOI:10.1021/acs.energyfuels.0c03695	100
63	**Malinowski Zbigniew,** Fornal Emilia, Sumara Agata, **Kontek Renata, Bukowski Karol, Pasternak Beata, Sroczyński Dariusz,** Kusz Joachim, **Małecka Magdalena, Nowak Monika:** Amino- and polyaminophthalazin-1(2H)-ones: synthesis, coordination properties, and biological activity, Beilstein Journal of Organic Chemistry, Beilstein - Institut zur Foerderung der Chemischen Wissenschaften, vol. 17, 2021, s. 558-568, DOI:10.3762/bjoc.17.50	70
64	**Małecka Magdalena,** Skoczyńska Anna, Goodman David M., Hartinger Christian G., Budzisz Elzbieta: Biological properties of ruthenium(II)/(III) complexes with flavonoids as ligands, Coordination Chemistry Reviews, Elsevier BV, vol. 436, 2021, Numer artykułu: 213849, s. 1-20, DOI:10.1016/j.ccr.2021.213849	200
65	**Małecka Magdalena,** Kusz Joachim, Mayer Peter, Sobiesiak Marta, Budzisz Elzbieta: Zinc(II) and nickel(II) complexes of 3,5-dimethyl-1-(pyridin-2-yl)-1H-pyrazole: relationship between fluorescence and crystal packing, Acta Crystallographica Section C-Structural Chemistry, vol. 77, nr 7, 2021, s. 321-330, DOI:10.1107/S2053229621005374	140
66	**Miękoś Ewa, Cichomski Michał, Zieliński Marek,** Klepka Tomasz, **Sroczyński Dariusz, Fenyk Anna:** Modification of the Properties of Polymer Composites in a Constant Magnetic Field Environment, Materials, MDPIAG, vol. 14, nr 14, 2021, Numer artykułu: 3806, s. 1-12, DOI:10.3390/ma14143806	140
67	**Miękoś Ewa,** Samujło Bronisław, **Zieliński Marek, Sroczyński Dariusz:** Polimeryzacja aniliny w środowisku stałego pola magnetycznego, Polimery, Instytut Chemii Przemysłowej, vol. 66, nr 7-8, 2021, s. 383-388, DOI:10.14314/polimery.2021.7.1	70
68	**Miłowska Katarzyna, Rodacka Aleksandra,** Melikishvili Sophie, **Buczkowski Adam, Pałecz Bartłomiej,** Waczulikova Iveta, Hianik Tibor, Majoral Jean-Pierre, **Ionov Maksim, Bryszewska Maria:** Dendrimeric HIV-peptide delivery nanosystem affects lipid membranes structure, Scientific Reports, Nature Publishing Group, vol. 11, nr 1, 2021, Numer artykułu: 16810, s. 1-12, DOI:10.1038/s41598-021-96194-x	140
69	**Mlostoń Grzegorz,** Kula Karolina, Jasiński Radomir: A DFT Study on the Molecular Mechanism of Additions of Electrophilic and Nucleophilic Carbenes to Non-Enolizable Cycloaliphatic Thioketones, Molecules, vol. 26, nr 18, 2021, Numer artykułu: 5562, s. 1-14, DOI:10.3390/molecules26185562	140
70	**Mlostoń Grzegorz, Urbaniak Katarzyna, Sobiecka Malwina,** Heimgartner Heinz, Würthwein Ernst-Ulrich, Zimmer Reinhold, Lentz Dieter, Reissig Hans-Ulrich: Hetero-Diels-Alder Reactions of In Situ-Generated Azoalkenes with Thioketones; Experimental and Theoretical Studies, Molecules, vol. 26, nr 9, 2021, Numer artykułu: 2544, s. 1-19, DOI:10.3390/molecules26092544	140

71	**Mlostoń Grzegorz, Kowalczyk Mateusz,** Augustin André U., Jones Peter G., Werz Daniel B.: Lewis-Acid-Catalyzed (3+2)-Cycloadditions of Donor-Acceptor Cyclopropanes with Thioketenes, European Journal of Organic Chemistry, Wiley - V C H Verlag GmbH & Co. KGaA, vol. 2021, nr 46, 2021, s. 6250-6253, DOI:10.1002/ejoc.202100879	70
72	**Mlostoń Grzegorz, Kowalczyk Mateusz, Celeda Małgorzata,** Gach-Janczak Katarzyna, Janecka Anna, **Jasiński Marcin Paweł:** Synthesis and Cytotoxic Activity of Lepidilines A-D: Comparison with Some 4,5-Diphenyl Analogues and Related Imidazole-2-thiones, Journal of Natural Products, vol. 84, nr 12, 2021, s. 3071-3079, DOI:10.1021/acs.jnatprod.1c00797	100
73	**Mlostoń Grzegorz,** Jakub Wręczycki, **Urbaniak Katarzyna,** Bieliński Dariusz M., Heimgartner Heinz: The Fluoride Anion-Catalyzed Sulfurization of Thioketones with Elemental Sulfur Leading to Sulfur-Rich Heterocycles: First Sulfurization of Thiochalcones, Molecules, vol. 26, nr 4, 2021, Numer artykułu: 822, s. 1-20, DOI:10.3390/molecules26040822	—
74	Mucha Paulina, Skoczyńska Anna, **Małecka Magdalena, Hikisz Paweł,** Budzisz Elżbieta: Overview of the Antioxidant and Anti-Inflammatory Activities of Selected Plant Compounds and Their Metal Ions Complexes, Molecules, vol. 26, nr 16, 2021, Numer artykułu: 4886, s. 1-52, DOI:10.3390/molecules26164886	140
75	Nawrocka Agnieszka, **Piwoński Ireneusz,** Sauro Salvatore, Porcelli Annalisa, Hardan Louis, Lukomska-Szymanska Monika: Traditional Microscopic Techniques Employed in Dental Adhesion Research - Applications and Protocols of Specimen Preparation, Biosensors, Multidisciplinary Digital Publishing Institute (MDPI), vol. 11, nr 11, 2021, Numer artykułu: 408, s. 1-25, DOI:10.3390/bios11110408	70
76	**Nazarski Ryszard:** Summary of DFT calculations coupled with current statistical and/or artificial neural network (ANN) methods to assist experimental NMR data in identifying diastereomeric structures, Tetrahedron Letters, Pergamon Press, vol. 71, 2021, Numer artykułu: 152548, s. 1-16, DOI:10.1016/j.tetlet.2020.152548	70
77	Nosal-Wiercińska Agnieszka, Martyna Marlena, Mirčeski Valentin, **Skrzypek Sławomira:** Electroreduction of Bi(III) Ions at a Cyclically Renewable Liquid Silver Amalgam Film Electrode in the Presence of Methionine, Molecules, vol. 26, nr 13, 2021, Numer artykułu: 3972, s. 1-14, DOI:10.3390/molecules26133972	140
78	**Olszewski Adrian, Wzgarda-Raj Kinga:** Pyrazine-2(1 *H*)-thione, IUCrData, International Union of Crystallography, vol. 6, nr 10, 2021, Numer artykułu: x211102, s. 1-3, DOI:10.1107/s2414314621011020	5
79	Ośmiałowski Borys, Dziuk Błażej, Ejsmont Krzysztof, **Chęcińska Lilianna,** Dobrzańska Liliana: Effect of conjugated system extension on structural features and electron-density distribution in charge–transfer difluoroborates, Acta Crystallographica Section C-Structural Chemistry, vol. 77, nr 12, 2021, s. 807-813, DOI:10.1107/S2053229621012249	140
80	**Półtorak Łukasz, Rudnicki Konrad,** Kolivoška Viliam, Sebechlebská Táňa, **Krzyczmonik Paweł, Skrzypek Sławomira:** Electrochemical study of ephedrine at the polarized liquid-liquid interface supported with a 3D printed cell, Journal of Hazardous Materials, Elsevier BV, vol. 402, 2021, Numer artykułu: 123411, DOI:10.1016/j.jhazmat.2020.123411	200
81	Prosenc Franja, Piechocka Justyna, Škufca David, Heath Ester, Griessler Bulc Tjaša, Istenič Darja, Buttiglieri Gianluigi: Microalgae-based removal of contaminants of emerging concern: Mechanisms in Chlorella vulgaris and mixed algal-bacterial cultures, Journal of Hazardous Materials, Elsevier BV, vol. 418, 2021, Numer artykułu: 126284, DOI:10.1016/j.jhazmat.2021.126284	200
82	**Purgat Krystian, Kośka Izabella, Kubalczyk Paweł:** The Use of Single Drop Microextraction and Field Amplified Sample Injection for CZE Determination of Homocysteine Thiolactone in	140

	Urine, Molecules, vol. 26, nr 18, 2021, Numer artykułu: 5687, s. 1-13, DOI:10.3390/molecules26185687	
83	**Pyrzanowski Kacper, Zięba Grzegorz, Chwatko Grażyna, Przybylski Mirosław:** Does habitat otherness affect weatherfish Misgurnus fossilis reproductive traits?, European Zoological Journal, Taylor & Francis Group, vol. 88, nr 1, 2021, s. 328-339, DOI:10.1080/24750263.2021.1887379	140
84	**Rachwalski Michał, Buchcic-Szychowska Aleksandra, Leśniak Stanisław:** Recent Advances in Selected Asymmetric Reactions Promoted by Chiral Catalysts: Cyclopropanations, Friedel-Crafts, Mannich, Michael and Other Zinc-Mediated Processes - An Update, Symmetry, MDPI, vol. 13, nr 10, 2021, Numer artykułu: 1762, s. 1-24, DOI:10.3390/sym13101762	70
85	**Rudnicki Konrad, Sobczak Karolina, Borgul Paulina, Skrzypek Sławomira, Półtorak Łukasz:** Determination of quinine in tonic water at the miniaturized and polarized liquid-liquid interface, Food Chemistry, vol. 364, 2021, Numer artykułu: 130417, s. 1-8, DOI:10.1016/j.foodchem.2021.130417	200
86	**Rudnicki Konrad, Sobczak Karolina,** Kaliszczak Magdalena, **Sipa Karolina, Powałka Emilia, Skrzypek Sławomira, Półtorak Łukasz,** Herzog Gregoire: Voltammetric study of cefotaxime at the macroscopic and miniaturized interface between two immiscible electrolyte solutions, Microchimica Acta, Springer Wien, vol. 188, nr 12, 2021, Numer artykułu: 413, s. 1-9, DOI:10.1007/s00604-021-05072-w	140
87	**Sipa Karolina, Kowalewska Karolina, Leniart Andrzej,** Walcarius Alain, Herzog Grégoire, **Skrzypek Sławomira, Półtorak Łukasz:** Electrochemically assisted polyamide deposition at three-phase junction, Electrochemistry Communications, vol. 123, 2021, Numer artykułu: 106910, s. 1-5, DOI:10.1016/j.elecom.2020.106910	100
88	**Sipa Karolina, Rudnicki Konrad,** Vilà Neus, Herzog Grégoire, **Skrzypek Sławomira, Półtorak Łukasz,** Walcarius Alain: Switchable voltammetric response of electrodes modified with a mesoporous silica thin film and a polyelectrolyte multilayer, Electrochemistry Communications, vol. 132, 2021, Numer artykułu: 107142, s. 1-6, DOI:10.1016/j.elecom.2021.107142	100
89	**Skiba Joanna, Kowalczyk Aleksandra,** Trzybiński Damian, Woźniak Krzysztof, Vrcek Valerije, **Gapińska Magdalena, Kowalski Konrad:** Stereo-Definied Ferrocenyl Glycol Nucleic Acids (Fc-GNA) Constituents: Synthesis, Electrochemistry, Mechanism of Formation, and Anticancer Activity Studies, European Journal of Inorganic Chemistry, John Wiley & Sons, vol. 2021, nr 22, 2021, s. 2171-2181, DOI:10.1002/ejic.202100193	70
90	**Skowron Monika, Zakrzewski Robert, Ciesielski Witold:** Application of the TLC image analysis technique for the simultaneous quantitative determination of L-proline and L-lysine in dietary supplement, JPC-Journal of Planar Chromatography-Modern Tlc, vol. 34, nr 3, 2021, s. 197-202, DOI:10.1007/s00764-021-00093-w	20
91	Słowiński Daniel, Świerczyńska Małgorzata, Grzelakowska Aleksandra, Szala Marcin, Kolińska Jolanta, **Romański Jarosław,** Podsiadły Radosław: Hymecromone naphthoquinone ethers as probes for hydrogen sulfide detection, Dyes and Pigments, Pergamon, vol. 196, 2021, Numer artykułu: 109765, s. 1-11, DOI:10.1016/j.dyepig.2021.109765	100
92	**Spilarewicz-Stanek Kaja,** Jakimińska A., **Kisielewska Aneta,** Dudek Mariusz, **Piwoński Ireneusz:** Graphene oxide photochemical transformations induced by UV irradiation during photocatalytic processes, Materials Science in Semiconductor Processing, vol. 123, 2021, Numer artykułu: 105525, s. 1-12, DOI:10.1016/j.mssp.2020.105525	70
93	Steel Tasha R., Walsh Fearghal, Wieczorek-Błauż Anna, Hanif Muhammad, Hartinger Christian G.: Monodentately-coordinated bioactive moieties in multimodal half-sandwich organoruthenium anticancer agents, Coordination Chemistry Reviews, Elsevier BV, vol. 439, 2021, Numer artykułu: 213890, s. 1-21, DOI:10.1016/j.ccr.2021.213890	200

94	**Stępniak Artur, Erdenebayar Bayarmaa, Biernacka Marta, Buczkowski Adam,** Zavodnik Leu, Zavodnik Ilya, **Pałecz Bartłomiej:** Calorimetric studies of α-cyclodextrin inclusion complexes with carbendazim and thiabendazole, Physics and Chemistry of Liquids, vol. 59, nr 4, 2021, s. 495-502, DOI:10.1080/00319104.2020.1737693	40
95	Stojanov Leon, **Guziejewski Dariusz,** Puiu Mihaela, Bala Camelia, Mircheski Valentin: Multi-frequency analysis in a single square-wave chronoamperometric experiment, Electrochemistry Communications, vol. 124, 2021, Numer artykułu: 106943, s. 1-6, DOI:10.1016/j.elecom.2021.106943	100
96	Stryjska Karolina, Korona-Glowniak Izabela, **Chęcińska Lilianna,** Kusz Joachim, Ochocki Justyn: Synthesis, Spectroscopy, Single-Crystal Structure Analysis and Antibacterial Activity of Two Novel Complexes of Silver(I) with Miconazole Drug, International Journal of Molecular Sciences, Multidisciplinary Digital Publishing Institute (MDPI), vol. 22, nr 4, 2021, Numer artykułu: 1510, s. 1-18, DOI:10.3390/ijms22041510	140
97	Świerczyńska Małgorzata, Słowiński Daniel, Grzelakowska Aleksandra, Szala Marcin, **Romański Jarosław,** Pierzchała Karolina, Siarkiewicz Przemysław, Michalski Radosław, Podsiadły Radosław: Selective, stoichiometric and fast-response fluorescent probe based on 7-nitrobenz-2-oxa-1,3-diazole fluorophore for hypochlorous acid detection, Dyes and Pigments, Pergamon, vol. 193, 2021, Numer artykułu: 109563, s. 1-10, DOI:10.1016/j.dyepig.2021.109563	100
98	**Tomaszewska Emilia, Ranoszek-Soliwoda Katarzyna, Sztandera Krzysztof, Błażałek Paulina, Głowacki Rafał, Janaszewska Anna,** Janasik Beata, **Celichowski Grzegorz, Klajnert-Maculewicz Barbara, Grobelny Jarosław:** Systematic studies of gold nanoparticles functionalised with thioglucose and its cytotoxic effect, ChemistrySelect, vol. 2021, nr 6, 2021, s. 1230-1237, DOI:10.1002/slct.202100034, łączna liczba autorów: *11*	40
99	Tremlett William D.J., Goodman David M., Steel Tasha R., Kumar Saawan, Wieczorek-Błauż Anna, Walsh Fearghal P., Sullivan Matthew P., Hanif Muhammad, Hartinger Christian G.: Design concepts of half-sandwich organoruthenium anticancer agents based on bidentate bioactive ligands, Coordination Chemistry Reviews, Elsevier BV, vol. 445, 2021, Numer artykułu: 213950, s. 1-53, DOI:10.1016/j.ccr.2021.213950	200
100	**Utecht-Jarzyńska Greta, Nagła Karolina, Mlostoń Grzegorz,** Heimgartner Heinz, **Palusiak Marcin, Jasiński Marcin Paweł:** A straightforward conversion of 1,4-quinones into polycyclic pyrazoles via [3 + 2]-cycloaddition with fluorinated nitrile imines, Beilstein Journal of Organic Chemistry, Beilstein - Institut zur Foerderung der Chemischen Wissenschaften, vol. 17, 2021, s. 1509-1517, DOI:10.3762/bjoc.17.108	70
101	**Utecht-Jarzyńska Greta,** Mykhaylychenko Sergiy S., Rusanov Eduard B., Shermolovich Yuriy G., **Jasiński Marcin Paweł, Mlostoń Grzegorz:** Highly fluorinated 2,3-dihydro-1,3,4-thiadiazole derivatives via [3+2]-cycloadditions of tertiary thioamides with nitrile imines derived from trifluoroacetonitrile, Journal of Fluorine Chemistry, Elsevier BV, vol. 242, 2021, Numer artykułu: 109702, s. 1-7, DOI:10.1016/j.jfluchem.2020.109702	70
102	Waligórski Maciej, **Borowczyk Kamila, Stronka-Lewkowska Ewa:** Doświadczenia chemiczne na lekcjach chemii w czasach online, Chemia w Szkole, nr 3, 2021, s. 44-45	—
103	Weiss Marek, Majchrzycki Łukasz, **Borkowska Ewelina, Cichomski Michał,** Ptak Arkadiusz: Nanoscale dry friction: Dependence on load and sliding velocity, Tribology International, vol. 162, 2021, Numer artykułu: 107133, s. 1-9, DOI:10.1016/j.triboint.2021.107133	200
104	Werens Piotr, **Piwoński Ireneusz, Kisielewska Aneta:** Historical and SEM-EDS Analysis of a 14th-16th Century Triangular Crucible from Sandomierz, Poland, Archaeologia Polona, vol. 59, 2021, s. 109-124, DOI:10.23858/apa59.2021.2547	70

105	**Wieczorek Monika, Piechocka Justyna, Głowacki Rafał:** Chromatografia gazowa w analizie moczu i śliny na zawartość tiolaktonu homocysteiny, Analityka: nauka i praktyka, MALAMUT, nr 1, 2021, s. 16-22	20
106	**Wieczorek-Błauż Anna, Błauż Andrzej, Rychlik Błażej, Plażuk Damian:** The synthesis and biological activity of the 3-ferrocenylpropenamides derived from 5(4H)-oxazolones, Journal of Organometallic Chemistry, Elsevier S.A., vol. 953, 2021, Numer artykułu: 122026, s. 1-7, DOI:10.1016/j.jorganchem.2021.122026	70
107	**Winnicki Konrad, Żabka Aneta, Zawisza Anna, Łudzik-Dychto Katarzyna, Polit Justyna, Maszewski Janusz:** Anti algal activity of the 12-5-12 gemini surfactant results from its impact on the photosynthetic apparatus, Scientific Reports, Nature Publishing Group, vol. 11, nr 1, 2021, Numer artykułu: 2360, s. 1-12, DOI:10.1038/s41598-021-82165-9	140
108	Wróblewska Aneta, Lauriol Gaëtan, **Mlostoń Grzegorz,** Bantreil Xavier, Lamaty Frédéric: Expedient synthesis of NOxy-Heterocyclic Carbenes (NOHC) ligands and metal complexes using mechanochemistry, Journal of Organometallic Chemistry, Elsevier S.A., vol. 949, 2021, Numer artykułu: 121914, s. 1-7, DOI:10.1016/j.jorganchem.2021.121914	70
109	**Wzgarda-Raj Kinga, Książkiewicz Olga, Palusiak Marcin:** A rare case of a 2:2:1 ternary cocrystal of pyridine sulfides and trithiocyanuric acid, Acta Crystallographica Section C-Structural Chemistry, vol. 77, nr 8, 2021, s. 479-484, DOI:10.1107/S2053229621007208	140
110	**Wzgarda-Raj Kinga, Nawrot Martyna, Rybarczyk-Pirek Agnieszka, Palusiak Marcin:** Ionic cocrystals of dithiobispyridines: the role of I...I halogen bonds in the building of iodine frameworks and the stabilization of crystal structures, Acta Crystallographica Section C-Structural Chemistry, vol. 77, nr 8, 2021, s. 458-466, DOI:10.1107/S2053229621006306	140
111	**Wzgarda-Raj Kinga, Palusiak Marcin,** Wojtulewski Sławomir, **Rybarczyk-Pirek Agnieszka:** The role of sulfur interactions in crystal architecture: experimental and quantum theoretical studies on hydrogen, halogen, and chalcogen bonds in trithiocyanuric acid–pyridine N-oxide co-crystals, CrystEngComm, vol. 23, nr 2, 2021, s. 324-334, DOI:10.1039/d0ce01319f	100
112	**Wzgarda-Raj Kinga, Rybarczyk-Pirek Agnieszka,** Wojtulewski Sławomir, **Palusiak Marcin:** Trithiocyanuric acid: novel cocrystals and analysis of its tautomeric forms, Acta Crystallographica Section C-Structural Chemistry, vol. 77, nr 1, 2021, s. 49-55, DOI:10.1107/S2053229620016137	140
113	**Zawadzka Katarzyna, Felczak Aleksandra, Nowak Marta, Kowalczyk Aleksandra, Piwoński Ireneusz, Lisowska Katarzyna:** Antimicrobial activity and toxicological risk assessment of silver nanoparticles synthesized using an eco-friendly method with Gloeophyllum striatum, Journal of Hazardous Materials, Elsevier BV, vol. 418, 2021, Numer artykułu: 126316, s. 1-9, DOI:10.1016/j.jhazmat.2021.126316	200
2020		
Rozdziały z monografii		
1	**Adamczyk Justyna, Marciniak Lena, Rachwalski Michał, Pieczonka Adam:** Zjawisko emisji indukowanej agregacją (AIE), W: Kwadrans dla chemii. Aktualne badania i doniesienia ze świata chemii. Monografia / Stasiewicz Piotr, Swebocki Tomasz, Kostrzewa Tomasz (red.), 2020, Oficyna Edukacyjna Krzysztof Pazdro, ISBN 978-83-7594-208-8, s. 13-31	5
2	**Borgul Paulina, Rudnicki Konrad, Sipa Karolina, Brycht Mariola, Skrzypek Sławomira, Półtorak Łukasz:** Od elektrod węglowych do spolaryzowanych granic cieczowych. Praca przeglądowa dotycząca elektrochemicznego oznaczania antybiotyków fluorochinolonowych, W: Biomedycyna, środowisko i zdrowie. Teoria i praktyka / Naumowicz Monika (red.), 2020, Wydawnictwo Naukowe ArchaeGraph Diana Łukomiak, ISBN 978-83-66709-16-4, s. 31-44	20

3	**Brycht Mariola, Leniart Andrzej, Skrzypek Sławomira:** Analiza woltamperometryczna leków przeciwnowotworowych, W: Bioanalityka w Nauce i Życiu. Nowe strategie analityczne i rozwiązania aparaturowe T. 2 / Buszewski Bogusław, Staneczko-Baranowska Irena (red.), 2020, Wydawnictwo Naukowe PWN, ISBN 978-83-01-21282-7, s. 523-535	20
4	**Fenyk Anna, Zieliński Marek, Miękoś Ewa:** Badanie właściwości cieczy i elastomerów magnetoreologicznych w stałym polu magnetycznym, W: Nauka, Badania i Doniesienia Naukowe. Nauki Techniczne i Ścisłe. Część 1 / Wysoczański Tobiasz (red.), 2020, Idea Knowledge Future, ISBN 978-83-953882-7-9, s. 17-28	5
5	**Fenyk Anna, Zieliński Marek, Miękoś Ewa,** Chrześcijańska E., Masek A.: Ciecze oraz elastomery magnetoreologiczne jako przykłady materiałów inteligentnych, W: Dylematy badań naukowych w różnych dziedzinach. Cz. 5 / Ejdys Stanisław (red.), 2020, Wydawnictwo Naukowe Intellect, ISBN 9788395304989, s. 21-28	5
6	**Fenyk Anna, Zieliński Marek, Miękoś Ewa, Łaska-Jesionowska Agnieszka, Skotowska Agnieszka:** Ferrofluidy jako przykłady materiałów funkcjonalnych. Budowa, rozwój oraz praktyczne wykorzystanie, W: Poszerzamy Horyzonty. Tom XXI. Część III / Bogusz Małgorzata , Piotrowska-Puchała Agnieszka , Wojcieszak Monika (red.), Numer artykułu: 25, 2020, Mateusz Weiland Network Solutions, ISBN 978-83-63216-39-9, s. 274-282	5
7	**Fenyk Anna, Zieliński Marek, Miękoś Ewa,** Chrześcijańska Ewa, Masek Anna: Przegląd oraz charakterystyka nowoczesnych materiałów inteligentnych i ich praktyczne zastosowania, W: Badania i Rozwój Młodych Naukowców w Polsce. Nauki przyrodnicze. Część 2 / Nyćkowiak Jędrzej, Leśny Jacek (red.), 2020, Wydawnictwo Młodzi Naukowcy, ISBN 978-83-66743-00-7, s. 7-13	5
8	**Głowacki Rafał, Piechocka Justyna, Bald Edward, Chwatko Grażyna:** Techniki separacyjne w analizie materiału biologicznego na zawartość wybranych związków siarki, W: Bioanalityka w nauce i życiu. Nowe wyzwanie w bioanalizie klinicznej i ocenie naturalnych surowców leczniczych T. 1 / Irena Staneczko-Baranowska, Buszewski Bogusław (red.), 2020, Wydawnictwo Naukowe PWN, ISBN 978-83-01-21281-0, s. 163-180	20
9	**Krzyczmonik Paweł, Skrzypek Sławomira:** Enzymatyczne biosensory na bazie przewodzących kompozytów i ich zastosowania w bioanalityce, W: Bioanalityka w Nauce i Życiu. Nowe strategie analityczne i rozwiązania aparaturowe T. 2 / Buszewski Bogusław, Staneczko-Baranowska Irena (red.), 2020, Wydawnictwo Naukowe PWN, ISBN 978-83-01-21282-7, s. 539-551	20
10	**Łaska-Jesionowska Agnieszka, Muskała Paulina, Skotowska Agnieszka, Fenyk Anna:** Analiza wybranych substancji czynnych, czyli co powinny zawierać preparaty przeciwtrądzikowe, W: Poszerzamy Horyzonty. Tom XXI. Część III / Bogusz Małgorzata , Piotrowska-Puchała Agnieszka , Wojcieszak Monika (red.), Numer artykułu: 27, 2020, Mateusz Weiland Network Solutions, ISBN 978-83-63216-39-9, s. 294-301	5
11	**Marciniak Lena, Adamczyk Justyna, Rachwalski Michał, Pieczonka Adam:** Aldehyd salicylowy jako substrat w tworzeniu cienkich warstw o właściwościach fluorescencyjnych, W: Kwadrans dla chemii. Aktualne badania i doniesienia ze świata chemii. Monografia / Stasiewicz Piotr, Swebocki Tomasz, Kostrzewa Tomasz (red.), 2020, Oficyna Edukacyjna Krzysztof Pazdro, ISBN 978-83-7594-208-8, s. 73-86	5
12	**Żądzińska Elżbieta, Lorkiewicz Wiesław, Mietlińska-Sauter Joanna, Karkus Justyna, Borówka Paulina,** Stuss Michał, Sewerynek Ewa, **Płażuk Damian:** Osteoporotic bone fractures and age-related bone loss in human populations inhabiting the Kujawy region in north-cen tral Poland from the Neolithic to early modern Times, W: Program of the 89th Annual Meeting of the American Association of Physical Anthropologists, April 15-18, 2020. Abstract book / Leigh Steve (red.), American Journal of Physical Anthropology, vol. 171, 2020, John Wiley & Sons, s. 316-316	—
Artykuły z czasopism		

1	Abendrot Michał, **Chęcińska Lilianna,** Kusz Joachim, **Lisowska Katarzyna, Zawadzka Katarzyna, Felczak Aleksandra,** Kalinowska-Lis Urszula: Zinc(II) Complexes with Amino Acids for Potential Use in Dermatology: Synthesis, Crystal Structures, and Antibacterial Activity, Molecules, vol. 25, nr 4, 2020, Numer artykułu: 951, s. 1-17, DOI:10.3390/molecules25040951	140
2	Adamus-Grabicka Angelika A., Markowicz-Piasecka Magdalena, Cieślak Marcin, Królewska-Golińska Karolina, **Hikisz Paweł,** Kusz Joachim, **Małecka Magdalena,** Budzisz Elżbieta: Biological Evaluation of 3-Benzylidenechromanones and Their Spiropyrazolines-Based Analogues, Molecules, vol. 25, nr 7, 2020, Numer artykułu: 1613, s. 1-25, DOI:10.3390/molecules25071613	140
3	Andryianau Gleb, **Kowalski Michał, Piotrowicz Michał,** Rajkiewicz Adam A., Dymek Barbara, Sklepkiewicz Piotr L., Pluta Elzbieta, Stefaniak Filip, Czestkowski Wojciech, Olejniczak Sylwia: Benzoxazepine-Derived Selective, Orally Bioavailable Inhibitor of Human Acidic Mammalian Chitinase, ACS Medicinal Chemistry Letters, vol. 11, nr 6, 2020, s. 1228-1235, DOI:10.1021/acsmedchemlett.0c00092, łączna liczba autorów: *24*	140
4	**Baranowska-Korczyc Anna, Mackiewicz Ewelina, Ranoszek-Soliwoda Katarzyna, Grobelny Jarosław, Celichowski Grzegorz:** Facile synthesis of SnO2 shell followed by microwave treatment for high environmental stability of Ag nanoparticles, RSC Advances, Royal Society of Chemistry, vol. 10, nr 63, 2020, s. 38424-38436, DOI:10.1039/D0RA06159J	100
5	**Bartos Paulina,** Anand Bindushree, Pietrzak Anna, **Kaszyński Piotr:** Functional Planar Blatter Radical through Pschorr-Type Cyclization, Organic Letters, vol. 22, nr 1, 2020, s. 180-184, DOI:10.1021/acs.orglett.9b04130	140
6	**Bartos Paulina,** Young, Jr. Victor G., Kaszyński Piotr: Ring-Fused 1,4-Dihydro[1,2,4]triazin-4-yls through Photocyclization, Organic Letters, vol. 22, nr 10, 2020, s. 3835-3840, DOI:10.1021/acs.orglett.0c01074	140
7	**Belica-Pacha Sylwia, Miłowska Katarzyna, Ionov Maksim, Bryszewska Maria, Buczkowski Adam,** Budryn Grażyna, Oracz Joanna, Zaczyńska Donata, **Urbaniak Paweł, Pałecz Bartłomiej:** The impact of β-cyclodextrin on biological and chemical properties of mianserin hydrochloride in aqueous solution, Journal of Molecular Liquids, Elsevier BV, vol. 314, 2020, Numer artykułu: 113589, s. 1-9, DOI:10.1016/j.molliq.2020.113589, łączna liczba autorów: *11*	100
8	Błaszczuk Artur, Piersa Piotr, Piwowar Arkadiusz, Szufa Szymon, Dzikuć Maciej, **Romanowska-Duda Zdzisława,** Adrian Łukasz, Marcza Marta, **Lewandowska Wiktoria:** Torrefaction of oat straw to use as solid biofuel, an additive to organic fertilizers for agriculture purposes and activated carbon - TGA analysis, kinetics, E3S Web of Conferences, EDP Sciences, vol. 154, 2020, Numer artykułu: 02004, s. 1-10, DOI:10.1051/e3sconf/202015402004	5
9	**Borgul Paulina, Rudnicki Konrad,** Chu Liangyong, **Leniart Andrzej, Skrzypek Sławomira,** Sudhölter Ernst J. R., **Półtorak Łukasz:** Layer-by-layer (LbL) assembly of polyelectrolytes at the surface of a fiberglass membrane used as a support of the polarized liquid-liquid interface, Electrochimica Acta, Pergamon, vol. 363, 2020, Numer artykułu: 137215, s. 1-11, DOI:10.1016/j.electacta.2020.137215	100
10	**Borowczyk Kamila, Olejarz Patrycja, Chwatko Grażyna,** Szylberg Marcin, **Głowacki Rafał:** A Simplified Method for Simultaneous Determination of α-Lipoic Acid and Low-Molecular-Mass Thiols in Human Plasma, International Journal of Molecular Sciences, Multidisciplinary Digital Publishing Institute (MDPI), vol. 21, nr 3, 2020, Numer artykułu: 1049, s. 1-15, DOI:10.3390/ijms21031049	140
11	**Buchcic-Szychowska Aleksandra, Zawisza Anna, Leśniak Stanisław, Rachwalski Michał:** Asymmetric Friedel-Crafts Alkylation of Indoles Catalyzed by Chiral Aziridine-Phosphines, Catalysts, vol. 10, nr 9, 2020, Numer artykułu: 971, DOI:10.3390/catal10090971	100

12	**Buczkowski Adam, Stępniak Artur, Tokarz Paweł, Klajnert-Maculewicz Barbara, Pałecz Bartłomiej, Gorzkiewicz Michał, Malinowska-Michalak Małgorzata, Ionov Maksim, Urbaniak Paweł:** Physicochemical and in vitro cytotoxicity studies of inclusion complex between gemcitabine and cucurbit[7]uril host, Bioorganic Chemistry, vol. 99, 2020, Numer artykułu: 103843, s. 1-13, DOI:10.1016/j.bioorg.2020.103843	100
13	**Buczkowski Adam, Malinowska-Michalak Małgorzata, Erdenebayar Bayarmaa, Pałecz Bartłomiej:** Spectroscopic, electrochemical and calorimetric studies on the interactions of poly(propyleneimine) G4 dendrimer with 5-fluorouracilin in aqueous solutions, Journal of Molecular Liquids, Elsevier BV, vol. 313, 2020, Numer artykułu: 113534, s. 1-8, DOI:10.1016/j.molliq.2020.113534	100
14	Buday Philipp, Seeber Phillip, Zens Clara, Abul-Futouh Hassan, Görls Helmar, Gräfe Stefanie, **Matczak Piotr,** Kupfer Stephan, Weigand Wolfgang, **Mlostoń Grzegorz:** Iron(0)-Mediated Stereoselective (3+2)-Cycloaddition of Thiochalcones via a Diradical Intermediate, Chemistry-A European Journal, Wiley - V C H Verlag GmbH & Co. KGaA, vol. 26, nr 50, 2020, s. 11412-11416, DOI:10.1002/chem.202001412	140
15	Buko Vyacheslav, Zavodnik Ilya, **Pałecz Bartłomiej, Stępniak Artur,** Kirko Siarhei, Shlyahtun Alexej, Misiuk Wiesława, Belonovskaya Elena, Lukivskaya Oxana, **Erdenebayar Bayarmaa:** Betulin/2-hydroxypropyl-β-cyclodextrin inclusion complex: Physicochemical characterization and hepatoprotective activity, Journal of Molecular Liquids, Elsevier BV, vol. 309, 2020, Numer artykułu: 113118, s. 1-10, DOI:10.1016/j.molliq.2020.113118, łączna liczba autorów: *14*	100
16	**Burnat Barbara, Olejarz Patrycja,** Batory Damian, **Cichomski Michał,** Kaminska Marta, Bociaga Dorota: Titanium Dioxide Coatings Doubly-Doped with Ca and Ag Ions as Corrosion Resistant, Biocompatible, and Bioactive Materials for Medical Applications, Coatings, vol. 10, nr 2, 2020, Numer artykułu: 169, s. 1-20, DOI:10.3390/coatings10020169	100
17	Chudoba Dorota, Łudzik-Dychto Katarzyna, Jażdżewska Monika, Wołoszczuk Sebastian: Kinetic and Equilibrium Studies of Doxorubicin Adsorption onto Carbon Nanotubes, International Journal of Molecular Sciences, Multidisciplinary Digital Publishing Institute (MDPI), vol. 21, nr 21, 2020, Numer artykułu: 8230, s. 1-24, DOI:10.3390/ijms21218230	140
18	**Cichomski Michał, Prowizor Milena, Kowalczyk Dorota,** Sikora Andrzej, Batory Damian, Dudek Mariusz: Comparison of the Physicochemical Properties of Carboxylic and Phosphonic Acid Self-Assembled Monolayers Created on a Ti-6Al-4V Substrate, Materials, MDPIAG, vol. 13, nr 22, 2020, Numer artykułu: 5137, s. 1-17, DOI:10.3390/ma13225137	140
19	**Cichomski Michał, Borkowska Ewelina, Prowizor Milena,** Batory Damian, Jedrzejczak Anna, Dudek Mariusz: The Effect of Physicochemical Properties of Perfluoroalkylsilanes Solutions on Microtribological Features of Created Self-Assembled Monolayers, Materials, MDPIAG, vol. 13, nr 15, 2020, Numer artykułu: 3357, s. 1-15, DOI:10.3390/ma13153357	140
20	**Dominikowska Justyna:** Halogen-bonded haloamine trimers - modelling the X3 synthon, Physical Chemistry Chemical Physics, RSC Publications, vol. 22, nr 38, 2020, s. 21938-21946, DOI:10.1039/d0cp03352a	100
21	Egizbek K., Kozlovskiy A. L., Łudzik-Dychto Katarzyna, Zdorovets M. V., Ibragimova M. A., **Marciniak Beata,** Jazdzewska M., Chudoba D., Nazarova A., **Kontek Renata:** Application of Fe2O3/CeO2 nanocomposites for the purification of aqueous media, Applied Physics A-Materials Science & Processing, vol. 126, 2020, Numer artykułu: 477, DOI:10.1007/s00339-020-03665-5	70
22	Egizbek Kamila, Kozlovskiy Artem L., **Łudzik-Dychto Katarzyna,** Zdorovets Maxim V., Korolkov Ilya V., **Marciniak Beata,** Jazdzewska Monika, Chudoba Dorota, Nazarova Assel, **Kontek Renata:** Stability and cytotoxicity study of NiFe2O4 nanocomposites synthesized	100

	by co-precipitation and subsequent thermal annealing, Ceramics International, vol. 46, nr 10, 2020, s. 16548-16555, DOI:10.1016/j.ceramint.2020.03.222	
23	Fabijańska Małgorzata, Orzechowska Magdalena, **Rybarczyk-Pirek Agnieszka, Dominikowska Justyna,** Bieńkowska Alicja, Małecki Maciej, Ochocki Justyn: Simple Trans-Platinum Complex Bearing 3-Aminoflavone Ligand Could Be a Useful Drug: Structure-Activity Relationship of Platinum Complex in Comparison with Cisplatin, International Journal of Molecular Sciences, Multidisciplinary Digital Publishing Institute (MDPI), vol. 21, nr 6, 2020, Numer artykułu: 2116, s. 1-22, DOI:10.3390/ijms21062116	140
24	**Festinger Natalia, Koszelska Kamila,** Ivanovski Vladimir, Ziąbka Magdalena, Jedlińska Katarzyna, **Ciesielski Witold, Smarzewska Sylwia:** Comparative Electroanalytical Studies of Graphite Flake and Multilayer Graphene Paste Electrodes, Sensors, Multidisciplinary Digital Publishing Institute, vol. 20, nr 6, 2020, Numer artykułu: 1684, s. 1-15, DOI:10.3390/s20061684	100
25	**Gajek Gabriela, Marciniak Beata, Lewkowski Jarosław, Kontek Renata:** Antagonistic Effects of CAPE (a Component of Propolis) on the Cytotoxicity and Genotoxicity of Irinotecan and SN38 in Human Gastrointestinal Cancer Cells In Vitro, Molecules, vol. 25, nr 3, 2020, Numer artykułu: 658, s. 1-19, DOI:10.3390/molecules25030658	140
26	Gątarek Paulina, **Borowczyk Kamila,** Kałużna-Czaplińska Joanna, Rosiak Angelina, **Głowacki Rafał:** Higher Levels of Low Molecular Weight Sulfur Compounds and Homocysteine Thiolactone in the Urine of Autistic Children, Molecules, vol. 25, nr 4, 2020, Numer artykułu: 973, DOI:10.3390/molecules25040973	140
27	Górny Magdalena, Bilska-Wilkosz Anna, Iciek Małgorzata, Hereta Marta, Kamińska Kinga, **Kamińska Adrianna, Chwatko Grażyna,** Rogóż Zofia, Lorenc-Koci Elżbieta: Alterations in the Antioxidant Enzyme Activities in the Neurodevelopmental Rat Model of Schizophrenia Induced by Glutathione Deficiency during Early Postnatal Life, Antioxidants, Multidisciplinary Digital Publishing Institute (MDPI), vol. 9, nr 6, 2020, Numer artykułu: 538, s. 1-24, DOI:10.3390/antiox9060538	100
28	Grabarczyk Jacek, Batory Damian, Kaczorowski Witold, Pązik Bartosz, Januszewicz Bartłomiej, **Burnat Barbara,** Czerniak-Reczulska Małgorzata, Makówka Marcin, Niedzielski Piotr: Comparison of Different Thermo-Chemical Treatments Methods of Ti-6Al-4V Alloy in Terms of Tribological and Corrosion Properties, Materials, MDPIAG, vol. 13, nr 22, 2020, Numer artykułu: 5192, DOI:10.3390/ma13225192	140
29	Gurgul Ilona, Mazuryk Olga, Łomzik Michał, Gros Philippe C., Rutkowska-Zbik Dorota, Brindell Małgorzata: Unexplored features of Ru(II) polypyridyl complexes - towards combined cytotoxic and antimetastatic activity, Metallomics, RSC Publications, vol. 12, nr 5, 2020, s. 784-793, DOI:10.1039/d0mt00019a	100
30	**Gutowska Natalia, Seliger Piotr, Romański Jarosław,** Zięba Magdalena, Adamus Grazyna, Kowalczuk Marek: Mass Spectrometry Reveals Complexing Properties of Modified PNP-Lariat Ether Containing Benzyl Derivative of (S)-Prolinamine, Molecules, vol. 25, nr 1, 2020, Numer artykułu: 136, s. 1-19, DOI:10.3390/molecules25010136	140
31	**Guziejewski Dariusz:** Electrode mechanisms with coupled chemical reaction - Amplitude effect in square-wave voltammetry, Journal of Electroanalytical Chemistry, vol. 870, 2020, Numer artykułu: 114186, s. 1-9, DOI:10.1016/j.jelechem.2020.114186	70
32	Hande Aniket A., Darrigan Clovis, **Bartos Paulina,** Baylère Patrick, Pietrzak Anna, Kaszyński Piotr, Chrostowska Anna: UV-photoelectron spectroscopy of stable radicals: the electronic structure of planar Blatter radicals as materials for organic electronics, Physical Chemistry Chemical Physics, RSC Publications, vol. 22, nr 41, 2020, s. 23637-23644, DOI:10.1039/d0cp03896b	100

33	Hanif Muhammad, Yang Xiaoda, Tinoco Arthur D., **Plażuk Damian:** Editorial: New Strategies in Design and Synthesis of Inorganic Pharmaceuticals, Frontiers in Chemistry, vol. 8, 2020, Numer artykułu: 453, s. 1-2, DOI:10.3389/fchem.2020.00453	—
34	Hendiger Edyta B., Padzik Marcin, Żochowska Agnieszka, Baltaza Wanda, Olędzka Gabriela, Zyskowska Diana, Bluszcz Julita, Jarzynka Sylwia, **Grobelny Jarosław, Ranoszek-Soliwoda Katarzyna:** Tannic acid-modified silver nanoparticles enhance the anti-Acanthamoeba activity of three multipurpose contact lens solutions without increasing their cytotoxicity, Parasites & Vectors, vol. 13, nr 1, 2020, Numer artykułu: 624, s. 1-8, DOI:10.1186/s13071-020-04453-z, łączna liczba autorów: *15*	100
35	Hirai Yuichi, **Wrona-Piotrowicz Anna, Zakrzewski Janusz,** Brosseau Arnaud, Guillot Régis, Métivier Rémi, Allain Clémence: Mechanofluorochromism of pyrene-derived amidophosphonates, Photochemical & Photobiological Sciences, vol. 19, nr 2, 2020, s. 229-234, DOI:10.1039/c9pp00457b	70
36	**Ignaczak Anna, Orszański Łukasz, Adamiak Marta,** Olejniczak Agnieszka: Comparative DFT study of inclusion complexes of thymidine-carborane conjugate with β-cyclodextrin and heptakis(2,6-O-dimethyl)-β-cyclodextrin in water, Journal of Molecular Liquids, Elsevier BV, vol. 315, 2020, Numer artykułu: 12, DOI:10.1016/j.molliq.2020.113767	100
37	Ilyich Tatsiana V., Lapshina Elena A., Maskevich Alexander A., Veiko Artem G., Lavysh Andrei V., **Pałecz Bartłomiej, Stępniak Artur,** Buko Vyacheslav U., Zavodnik Ilya B.: Inclusion Complexes of Quercetin with β-Cyclodextrins: Ultraviolet and Infrared Spectroscopy and Quantum Chemical Modeling, Biophysics (Russian Federation), Maik Nauka/Interperiodica Publishing, vol. 65, nr 3, 2020, s. 381-389, DOI:10.1134/S0006350920030070	20
38	**Jamroz Daria,** Fischer-Durand Nathalie, **Palusiak Marcin,** Wojtulewski Sławomir, **Jarzyński Szymon, Stępniewska Marlena,** Salmain Michèle, **Rudolf Bogna:** Inverse electron-demand Diels-Alder (iEDDA) bioorthogonal conjugation of half-sandwich transition metallocarbonyl entities to a model protein, Applied Organometallic Chemistry, John Wiley & Sons Ltd., vol. 34, nr 4, 2020, Numer artykułu: e5507, s. 1-12, DOI:10.1002/aoc.5507	100
39	Jedrzejczak A., Batory D., **Cichomski Michał,** Miletic A., Czerniak-Reczulska M., Niedzielski P., Dudek M.: Formation of anatase and srilankite mixture as a result of the thermally induced transformation of the a-C:H:TiOx coating, Surface and Coatings Technology, Elsevier, vol. 400, 2020, Numer artykułu: 126230, DOI:10.1016/j.surfcoat.2020.126230	100
40	Jędrzejczak Anna, Batory Damian, **Prowizor Milena,** Dominik Magdalena, Smietana Mateusz, **Cichomski Michał, Kisielewska Aneta,** Szymański Witold, **Kozłowski Witold,** Dudek Mariusz: Titanium(IV) isopropoxide as a source of titanium and oxygen atoms incarbon based coatings deposited by Radio Frequency Plasma EnhancedChemical Vapour Deposition method deposited by Radio Frequency Plasma Enhanced Chemical Vapour Deposition method, Thin Solid Films, vol. 693, 2020, Numer artykułu: 137697, s. 1-7, DOI:10.1016/j.tsf.2019.137697	70
41	**Jóźwiak Małgorzata, Łudzik Katarzyna, Cokot Maria, Jóźwiak Andrzej, Kłys Arkadiusz:** Solvation enthalpy of selected glymes in the mixtures of N,N-dimethylformamide with propan-1-ol or methanol at 298.15K. The solvent contribution to the solvation enthalpy of glymes, Journal of Molecular Liquids, Elsevier BV, vol. 314, 2020, Numer artykułu: 113733, s. 1-7, DOI:10.1016/j.molliq.2020.113733	100
42	Kaczkowska Emilia, Wawer Jarosław, **Tyczyńska Magdalena, Jóźwiak Małgorzata, Boruń Agnieszka,** Krakowiak Joanna: The hydration properties of protein stabilizer, trimethylamine-N-oxide in aqueous solutions of N-methylacetamide The volumetric and compressibility studies between 288.15 and 308.15 K, Thermochimica Acta, vol. 685, 2020, Numer artykułu: 178535, s. 1-6, DOI:10.1016/j.tca.2020.178535	100

43	Kaczkowska Emilia, Wawer Jarosław, **Tyczyńska Magdalena, Jóźwiak Małgorzata,** Krakowiak Joanna: The interaction parameters for solutions of n-butylurea in aqueous solutions of N-methylacetamide The volumetric and compressibility studies between 288.15 K and 308.15 K, Journal of Chemical Thermodynamics, Academic Press, vol. 149, 2020, Numer artykułu: 106143, s. 1-8, DOI:10.1016/j.jct.2020.106143	100
44	**Kamińska Adrianna, Chwatko Grażyna:** Estimation of Lipoyllysine Content in Meat and Its Antioxidative Capacity, Journal of Agricultural and Food Chemistry, vol. 69, nr 39, 2020, s. 10992-10999, DOI:10.1021/acs.jafc.0c03778	140
45	**Kinart Zdzisław,** Tomaš Renato: Conductivity properties of selected aliphatic monocarboxylic acid anions in water at 298.15 K, International Journal of Electrochemical Science, vol. 15, nr 10, 2020, s. 10007-10027, DOI:10.20964/2020.10.68	40
46	**Kinart Zdzisław,** Tomaš Renato: Conductometric study of potassium chloride in ethylene glycol + water mixtures at different temperatures, International Journal of Electrochemical Science, vol. 15, nr 6, 2020, s. 5560-5570, DOI:10.20964/2020.06.91	40
47	**Komudzińska Marlena, Tyczyńska Magdalena, Jóźwiak Małgorzata,** Burakowski Andrzej, Gliński Jacek: Volumetric, acoustic and thermal properties of aqueous N,N-dimethylformamide system. Effect of temperature and composition, Journal of Molecular Liquids, Elsevier BV, vol. 300, 2020, Numer artykułu: 112321, s. 1-12, DOI:10.1016/j.molliq.2019.112321	100
48	Koralewski Robert, Dymek Barbara, Mazur Marzena, Sklepkiewicz Piotr, Olejniczak Sylwia, Czestkowski Wojciech, Matyszewski Krzysztof, Andryianau Gleb, **Kowalski Michał, Piotrowicz Michał:** Discovery of **OATD-01** , a First-in-Class Chitinase Inhibitor as Potential New Therapeutics for Idiopathic Pulmonary Fibrosis, Journal of Medicinal Chemistry, American Chemical Society, vol. 63, nr 24, 2020, s. 15527-15540, DOI:10.1021/acs.jmedchem.0c01179, łączna liczba autorów: *33*	200
49	Korolkov Ilya, **Ładzik-Dychto Katarzyna,** Kozlovskiy Artem, Fadeeve Maxim S., Shumskaya Alena E., Gorin Ye G., Jażdżewska Monika, Anisovich Marina, Rusakov Vyacheslav S., Zdorovets Maxim V.: Immobilization of carboranes on Fe3O4-polymer nanocomposites for potential application in boron neutron cancer therapy, Colloids and Surfaces A-Physicochemical and Engineering Aspects, Elsevier BV, vol. 601, 2020, DOI:10.1016/j.colsurfa.2020.125035	70
50	Korolkov Ilya V., **Ładzik-Dychto Katarzyna,** Kozlovskiy A.L., Fadeev Maxim S., Shumskaya Alena E., Gorin Yevgeniy G., **Marciniak Beata,** Jazdzewska Monika, Chudoba D. M., **Kontek Renata:** Carboranes immobilization on Fe3O4 nanocomposites for targeted delivery, Materials Today Communications, Elsevier BV, vol. 24, 2020, Numer artykułu: 101247, s. 1-12, DOI:10.1016/j.mtcomm.2020.101247, łączna liczba autorów: *13*	70
51	**Koszelska Kamila, Ciesielski Witold, Popławski Tomasz, Smarzewska Sylwia:** Interactions of lamotrigine with single- and double-stranded DNA under physiological conditions, Bioelectrochemistry, vol. 136, 2020, Numer artykułu: 107630, s. 1-8, DOI:10.1016/j.bioelechem.2020.107630	100
52	**Koszelska Kamila, Festinger Natalia, Chwatko Grażyna, Głowacki Rafał, Ciesielski Witold, Smarzewska Sylwia:** Rapid electroanalytical procedure for sesamol determination in real samples, Food Chemistry, vol. 309, 2020, Numer artykułu: 125789, s. 1-6, DOI:10.1016/j.foodchem.2019.125789	200
53	**Kośka Izabella, Kubalczyk Paweł, Olejarz Patrycja, Purgat Krystian, Głowacki Rafał:** Determination of homocysteine thiolactone in human urine by capillary zone electrophoresis and single drop microextraction, Analytical Biochemistry, vol. 596, 2020, Numer artykułu: 113640, DOI:10.1016/j.ab.2020.113640	70

54	**Kowalewska Karolina, Sipa Karolina, Leniart Andrzej, Skrzypek Sławomira, Półtorak Łukasz:** Electrochemistry at the liquid–liquid interface rediscovers interfacial polycondensation of nylon-6,6, Electrochemistry Communications, vol. 115, 2020, Numer artykułu: 106732, DOI:10.1016/j.elecom.2020.106732	100
55	Lakshminarayanan Vasudevan, **Półtorak Łukasz,** Sudhölter Ernst J. R., Mendes Eduardo, van Esch Jan: Electrochemically assisted hydrogel deposition, shaping and detachment, Electrochimica Acta, Pergamon, vol. 350, 2020, Numer artykułu: 136352, DOI:10.1016/j.electacta.2020.136352	100
56	Lewandowski Eric, **Szczupak Łukasz, Kowalczyk Aleksandra,** Mendoza Gracia, Arruebo Manuel, Jacobs Lian, **Stączek Paweł,** Chen Yu, **Kowalski Konrad:** Metallocenyl 7-ACA Conjugates: Antibacterial Activity Studies and Atomic-Resolution X-ray Crystal Structure with CTX-M β-Lactamase, ChemBioChem, vol. 21, nr 15, 2020, s. 2187-2195, DOI:10.1002/cbic.202000054	70
57	**Lichota Anna, Piwoński Ireneusz, Michlewska Sylwia, Krokosz Anita:** A multiparametric study of internalization of fullerenol C60(OH)36 nanoparticles into peripheral blood mononuclear cells: cytotoxicity in oxidative stress induced by ionizing radiation, International Journal of Molecular Sciences, Multidisciplinary Digital Publishing Institute (MDPI), vol. 21, nr 7, 2020, Numer artykułu: 2281, s. 1-18, DOI:10.3390/ijms21072281	140
58	Lipińska Ludwika, Smejda-Krzewicka Aleksandra A., Krzemińska Sylwia M., **Leniart Andrzej,** Woluntarski Michał: Effects of curing agents and modified graphene oxide on the properties of XNBR composites, Polymer Testing, vol. 83, 2020, Numer artykułu: 106368, DOI:10.1016/j.polymertesting.2020.106368	100
59	**Lorkiewicz Wiesław, Karkus Justyna, Mietlińska Joanna,** Stuss Michał, Sewerynek Ewa, **Plażuk Damian, Żądzińska Elżbieta:** Did parity affect bone mineral density of women in past populations? Parturition scars and BMD of Neolithic to modern skeletons from north-central Poland, Journal of Archaeological Science, vol. 124, 2020, Numer artykułu: 105264, s. 1-10, DOI:10.1016/j.jas.2020.105264	200
60	**Łomzik Michał,** Hanif Muhammad, Hartinger Christian G., **Budniok Aleksandra, Błauż Andrzej,** Makal Anna, Tchoń Daniel M., Leśniewska Barbara, **Rychlik Błażej, Plażuk Damian:** Metal-Dependent Cytotoxic and Kinesin Spindle Protein Inhibitory Activity of Ru, Os, Rh, and Ir Half-Sandwich Complexes of Ispinesib-Derived Ligands, Inorganic Chemistry, American Chemical Society, vol. 59, nr 20, 2020, s. 14879-14890, DOI:10.1021/acs.inorgchem.0c00957, łączna liczba autorów: *16*	140
61	**Ładzik-Dychto Katarzyna,** Woloszczuk Sebastian, Zając Wojciech, Jazdzewska Monika, Rogachev Andrey, Ivanowicz Kuklin Alexander, **Zawisza Anna, Jóźwiak Małgorzata:** Can the Isothermal Calorimetric Curve Shapes Suggest the Structural Changes in Micellar Aggregates?, International Journal of Molecular Sciences, Multidisciplinary Digital Publishing Institute (MDPI), vol. 21, nr 16, 2020, Numer artykułu: 5828, DOI:10.3390/ijms21165828	140
62	**Malinowska Martyna, Jarzyński Szymon, Pieczonka Adam, Rachwalski Michał, Leśniak Stanisław, Zawisza Anna:** Optically Pure Aziridin-2-yl Methanols as Readily Available 1H NMR Sensors for Enantiodiscrimination of α-Racemic Carboxylic Acids Containing Tertiary or Quaternary Stereogenic Centers, Journal of Organic Chemistry, vol. 85, nr 18, 2020, s. 11794-11801, DOI:10.1021/acs.joc.0c01564	140
63	**Małecka Magdalena, Chęcińska Lilianna,** Kusz Joachim, **Biernacka Marta,** Kupcewicz Bogumiła: Interactions in flavanone and chalcone derivatives: Hirshfeld surface analysis, energy frameworks and global reactivity descriptors, Acta Crystallographica Section C-Structural Chemistry, vol. 76, nr 3, 2020, s. 212-224, DOI:10.1107/S2053229620001503	140

64	**Małecka Magdalena,** Kusz Joachim, Eriksson Lars, Adamus-Grabicka Angelika, Budzisz Elżbieta: The relationship between Hirshfeld potential and cytotoxic activity: a study along a series of flavonoid and chromanone derivatives, Acta Crystallographica Section C-Structural Chemistry, vol. 76, nr 8, 2020, s. 723-733, DOI:10.1107/S205322962000813X	140
65	**Mlostoń Grzegorz,** Jasiński Radomir, Kula Karolina, Heimgartner Heinz: A DFT Study on the Barton-Kellogg Reaction - The Molecular Mechanism of the Formation of Thiiranes in the Reaction between Diphenyldiazomethane and Diaryl Thioketones, European Journal of Organic Chemistry, Wiley - V C H Verlag GmbH & Co. KGaA, vol. 2020, nr 2, 2020, s. 176-182, DOI:10.1002/ejoc.201901443	70
66	**Mlostoń Grzegorz, Kowalczyk Mateusz,** Augustin Andre U., Jones Peter G., Werz Daniel B.: Ferrocenyl-substituted tetrahydrothiophenes via formal [3 + 2]-cycloaddition reactions of ferrocenyl thioketones with donor-acceptor cyclopropanes, Beilstein Journal of Organic Chemistry, Beilstein - Institut zur Foerderung der Chemischen Wissenschaften, vol. 16, 2020, s. 1288-1295, DOI:10.3762/bjoc.16.109	70
67	**Mlostoń Grzegorz, Romański Jarosław:** In Memoriam: Professor Jarosław Lewkowski (1966-2019), Materials, MDPIAG, vol. 13, nr 18, 2020, Numer artykułu: 4030, DOI:10.3390/ma13184030	—
68	**Mlostoń Grzegorz,** Heimgartner Heinz: Reactions of thiocarbonyl compounds with electrophilic and nucleophilic carbenes as well as with their metal complexes, Journal of Sulfur Chemistry, vol. 41, nr 6, 2020, s. 672-700, DOI:10.1080/17415993.2020.1780237	40
69	**Mlostoń Grzegorz, Celeda Małgorzata, Poper Wiktor, Kowalczyk Mateusz,** Gach-Janczak Katarzyna, Janecka Anna, **Jasiński Marcin Paweł:** Synthesis, Selected Transformations, and Biological Activity of Alkoxy Analogues of Lepidilines A and C, Materials, MDPIAG, vol. 13, nr 18, 2020, Numer artykułu: 4190, s. 1-16, DOI:10.3390/ma13184190	140
70	**Mlostoń Grzegorz, Urbaniak Katarzyna, Jasiński Marcin Paweł,** Würthwein Ernst-Ulrich, Heimgartner Heinz, Zimmer Reinhold, Reissig Hans-Ulrich: The [4+2]-Cycloaddition of □-Nitrosoalkenes with Thiochalcones as a Prototype of Periselective Hetero-Diels-Alder Reactions - Experimental and Computational Studies, Chemistry-A European Journal, Wiley - V C H Verlag GmbH & Co. KGaA, vol. 26, nr 1, 2020, s. 237-248, DOI:10.1002/chem.201903385	140
71	Nejman Alicja, Kamińska Irena, Jasińska Izabela, **Celichowski Grzegorz,** Cieślak Małgorzata: Influence of Low-Pressure RF Plasma Treatment on Aramid Yarns Properties, Molecules, vol. 25, nr 15, 2020, Numer artykułu: 3476, s. 1-24, DOI:10.3390/molecules25153476	140
72	Olszewska Paulina, **Cal Dariusz, Zagórski Piotr,** Mikiciuk-Olasik Elżbieta: A novel trifluoromethyl 2-phosphonopyrrole analogue inhibits human cancer cell migration and growth by cell cycle arrest at G1 phase and apoptosis, European Journal of Pharmacology, vol. 871, 2020, Numer artykułu: 172943, s. 1-10, DOI:10.1016/j.ejphar.2020.172943	100
73	Orlowski Piotr, Zmigrodzka Magdalena, **Tomaszewska Emilia, Ranoszek-Soliwoda Katarzyna,** Pajak Beata, Slonska Anna, Cymerys Joanna, **Celichowski Grzegorz, Grobelny Jarosław,** Krzyzowska Malgorzata: Polyphenol-Conjugated Bimetallic Au@AgNPs for Improved Wound Healing, International journal of nanomedicine, vol. 15, 2020, s. 4969-4990, DOI:10.2147/IJN.S252027	140
74	Pawlędzio Sylwia, Makal Anna, **Plażuk Damian,** Woźniak Krzysztof: Experimental charge density of ferrocenyl derivative of ß-lactam, Journal of Molecular Structure, Elsevier BV, vol. 1217, 2020, DOI:10.1016/j.molstruc.2020.128274	70
75	Petrov Kostadin V., Paltrinieri Laura, Półtorak Łukasz, de Smet Louis C. P. M., Sudhölter Ernst J. R.: Modified cation-exchange membrane for phosphate recovery in an electrochemically assisted adsorption-desorption process, Chemical Communications, RSC Publications, vol. 56, nr 37, 2020, s. 5046-5049, DOI:10.1039/C9CC09563B	200

76	**Piechocka Justyna, Wrońska Monika,** Głowacka Iwona E., **Głowacki Rafał:** 2-(3-Hydroxy-5-phosphonooxymethyl-2-methyl-4-pyridyl)-1,3-thiazolidine-4-carboxylic acid, novel metabolite of pyridoxal 5'-phosphate and cysteine is present in human plasma — chromatographic investigations, International Journal of Molecular Sciences, Multidisciplinary Digital Publishing Institute (MDPI), vol. 21, nr 10, 2020, Numer artykułu: 3548, s. 1-16, DOI:10.3390/ijms21103548	140
77	**Piechocka Justyna, Głowacki Rafał:** Chromatograficzne metody oznaczania aminokwasów tiolowych w wybranych płynach biologicznych człowieka, Analityka: nauka i praktyka, MALAMUT, nr 3, 2020, s. 12-15	20
78	**Piechocka Justyna, Wrońska Monika, Głowacki Rafał:** Chromatographic strategies for the determination of aminothiols in human saliva, Trac-Trends in Analytical Chemistry, Elsevier BV, vol. 126, 2020, Numer artykułu: 115866, s. 1-14, DOI:10.1016/j.trac.2020.115866	140
79	**Piechocka Justyna, Wieczorek Monika, Głowacki Rafał:** Gas Chromatography - Mass Spectrometry Based Approach for the Determination of Methionine-Related Sulfur-Containing Compounds in Human Saliva, International Journal of Molecular Sciences, Multidisciplinary Digital Publishing Institute (MDPI), vol. 21, nr 23, 2020, Numer artykułu: 9252, s. 1-18, DOI:10.3390/ijms21239252	140
80	**Piechocka Justyna, Wrońska Monika, Chwatko Grażyna,** Jakubowski Hieronim, **Głowacki Rafał:** Quantification of homocysteine thiolactone in human saliva and urine by gas chromatography-mass spectrometry, Journal of Chromatography B-Analytical Technologies in the Biomedical and Life Sciences, vol. 1149, 2020, Numer artykułu: 122155, s. 1-7, DOI:10.1016/j.jchromb.2020.122155	70
81	**Piechocka Justyna, Pietrzyk Daria, Głowacki Rafał:** Sposoby odbiałczania płynnych próbek biologicznych, Analityka: nauka i praktyka, MALAMUT, nr 1, 2020, s. 38-42	20
82	**Pieczonka Adam Marek, Marciniak Lena, Rachwalski Michał, Leśniak Stanisław:** Enantiodivergent Aldol Condensation in the Presence of Aziridine/Acid/Water Systems, Symmetry-Basel, vol. 12, nr 6, 2020, Numer artykułu: 930, s. 1-13, DOI:10.3390/sym12060930	70
83	**Pietrzyk Daria, Piechocka Justyna:** Między biologią a chemią - przygotowanie próbki biologicznej do analizy chemicznej na przykładzie lizy komórkowej szpinaku, Chemia w Szkole, nr 6, 2020, s. 40-45	—
84	**Piotrowicz Michał, Kowalczyk Aleksandra,** Trzybiński Damian, Woźniak Krzysztof, **Kowalski Konrad:** Redox-Active Glycol Nucleic Acid (GNA) Components: Synthesis and Properties of the Ferrocenyl-GNA Nucleoside, Phosphoramidite, and Semicanonical Dinucleoside Phosphate, Organometallics, American Chemical Society, vol. 39, nr 6, 2020, s. 813-823, DOI:10.1021/acs.organomet.9b00851	100
85	**Półtorak Łukasz,** van der Meijden Nienke, **Skrzypek Sławomira,** Sudhölter Ernst J. R., de Puit Marcel: Co-deposition of silica and proteins at the interface between two immiscible electrolyte solutions, Bioelectrochemistry, vol. 134, 2020, Numer artykułu: 107529, DOI:10.1016/j.bioelechem.2020.107529	100
86	**Prowizor Milena, Lewkowski Jarosław, Rodriguez Moya Maria Teresa, Morawska Marta, Cichomski Michał:** The modification of silicon surface by selected aminophosphonates to improve Its tribological properties, Materials Research Express, vol. 6, nr 12, 2020, Numer artykułu: 1250e3, s. 1-14, DOI:10.1088/2053-1591/ab6545	70
87	Przybysz Natalia , Marć Paweł, **Tomaszewska Emilia, Grobelny Jarosław,** Jaroszewicz Leszek Roman : Mixtures of selected n-alkanes and Au nanoparticels for optical fiber threshold temperature transducers, Opto-electronics Review, Springer, vol. 28, nr 4, 2020, s. 220-228, DOI:10.24425/opelre.2020.136111	100

88	Pudlarz Agnieszka Małgorzata, **Czechowska Ewa,** Karbownik Michał S., **Ranoszek-Soliwoda Katarzyna, Tomaszewska Emilia, Celichowski Grzegorz, Grobelny Jarosław,** Chabielska Ewa, Gromotowicz-Popławska Anna, Szemraj Janusz: The effect of immobilized antioxidant enzymes on the oxidative stress in UV-irradiated rat skin, Nanomedicine, Future Medicine Ltd., vol. 15, nr 1, 2020, s. 23-39, DOI:10.2217/nnm-2019-0166	100
89	**Purgat Krystian, Głowacki Rafał, Borowczyk Kamila, Olejarz Patrycja, Chwatko Grażyna, Kubalczyk Paweł:** Application of High-Performance Liquid Chromatography for Simultaneous Determination of Tenofovir and Creatinine in Human Urine and Plasma Samples, Pharmaceuticals, Multidisciplinary Digital Publishing Institute (MDPI), vol. 13, nr 11, 2020, Numer artykułu: 367, DOI:10.3390/ph13110367	100
90	**Ranoszek-Soliwoda Katarzyna, Czechowska Ewa, Tomaszewska Emilia,** Pudlarz Agnieszka, Szemraj Janusz, **Celichowski Grzegorz, Grobelny Jarosław:** Differences in corona formation of catalase immobilised on gold and silver nanoparticles, Colloids and Surfaces A-Physicochemical and Engineering Aspects, Elsevier BV, vol. 600, 2020, Numer artykułu: 125003, DOI:10.1016/j.colsurfa.2020.125003	70
91	**Robak Jolanta, Koselak Karolina, Zawisza Anna, Porwański Stanisław:** Studies on the influence of saccharide fragment of urea organocatalysts on the yield and enantioselectivity of aza-Henry reaction, Arkivoc, vol. 2020, nr 8, 2020, s. 150-160, DOI:10.24820/ark.5550190.p011.340	40
92	Rogacz Diana, **Lewkowski Jarosław, Cal Dariusz,** Rychter Piotr: Ecotoxicological effects of new C-substituted derivatives of N-phosphonomethylglycine (glyphosate) and their preliminary evaluation towards herbicidal application in agriculture, Ecotoxicology and Environmental Safety, vol. 194, 2020, Numer artykułu: 110331, s. 1-10, DOI:10.1016/j.ecoenv.2020.110331	100
93	Roszak J., Smok-Pieniążek A., Spryszyńska S., Kowalczyk K., Domeradzka-Gajda K., Świercz R., **Grobelny Jarosław, Tomaszewska Emilia, Ranoszek-Soliwoda Katarzyna, Celichowski Grzegorz:** Cytotoxic effects in transformed and non-transformed human breast cell lines after exposure to silver nanoparticles in combination with selected aluminium compounds, parabens or phthalates, Journal of Hazardous Materials, Elsevier BV, vol. 392, 2020, Numer artykułu: 122442, DOI:10.1016/j.jhazmat.2020.122442, łączna liczba autorów: *13*	200
94	Roszak Joanna, Smok-Pieniążek Anna, Jeżak Karolina, Domeradzka-Gajda Katarzyna, **Grobelny Jarosław, Tomaszewska Emilia, Ranoszek-Soliwoda Katarzyna, Celichowski Grzegorz,** Stępnik Maciej: Combined effect of silver nanoparticles and aluminium chloride, butylparaben or diethylphthalate on the malignancy of MDA-MB-231 breast cancer cells and tumor-specific immune responses of human macrophages and monocyte-derived dendritic cells, Toxicology in Vitro, vol. 65, 2020, Numer artykułu: 104774, DOI:10.1016/j.tiv.2020.104774	100
95	**Rudnicki Konrad, Brycht Mariola, Leniart Andrzej, Domagała Sławomir, Kaczmarek Katarzyna,** Kalcher Kurt, **Skrzypek Sławomira:** A Sensitive Sensor Based on Single-walled Carbon Nanotubes: Its Preparation, Characterization and Application in the Electrochemical Determination of Drug Clorsulon in Milk Samples, Electroanalysis, Wiley - V C H Verlag GmbH & Co. KGaA, vol. 32, nr 2, 2020, s. 375-383, DOI:10.1002/elan.201900387	70
96	**Rudnicki Konrad, Sipa Karolina, Brycht Mariola, Borgul Paulina, Skrzypek Sławomira, Półtorak Łukasz:** Electrochemical sensing of fluoroquinolone antibiotics, Trac-Trends in Analytical Chemistry, Elsevier BV, vol. 128, 2020, Numer artykułu: 11590, DOI:10.1016/j.trac.2020.115907	140
97	Rzepkowska M., **Burnat Barbara,** Pietnicki K, **Skrzypek Sławomira,** Klimek L.: The effect of repeated heating on corrosionresistance, hardness and microstructureof a Co-Cr-W prosthetic alloy, Journal of Achievements of Materials and Manufacturing Engineering, vol. 99, nr 2, 2020, s. 64-71, DOI:10.5604/01.3001.0014.1778	70

98	Salmain Michèle, Fischer-Durand Nathalie, **Rudolf Bogna:** Bioorthogonal Conjugation of Transition Organometallic Complexes to Peptides and Proteins: Strategies and Applications, European Journal of Inorganic Chemistry, John Wiley & Sons, vol. 2020, nr 1, 2020, s. 21-35, DOI:10.1002/ejic.201900810	70
99	Sękowski Szymon, **Buczkowski Adam, Pałecz Bartłomiej,** Abdulladjanova Nodira: Inhibitory effect of Euphorbia tannins on α-synuclein aggregation in aqueous solutions, Journal of Molecular Liquids, Elsevier BV, vol. 299, 2020, Numer artykułu: 112112, s. 1-8, DOI:10.1016/j.molliq.2019.112112	100
100	Shafikov Marsel, Zaytsev Andrey, Suleymanova Alfiya, Brandl Fabian, **Kowalczyk Aleksandra, Gapińska Magdalena, Kowalski Konrad,** Kozhevnikov Valery, Czerwieniec Rafał: Near Infrared Phosphorescent Dinuclear Ir(III) Complex Exhibiting Unusually Slow Intersystem Crossing and Dual Emissive Behavior, Journal of Physical Chemistry Letters, vol. 11, nr 15, 2020, s. 5849-5855, DOI:10.1021/acs.jpclett.0c01276	200
101	Sobańska Z., Sitarek K., Gromadzińska J., Świercz R., Szparaga M., Domeradzka-Gajda K., **Grobelny Jarosław, Ranoszek-Soliwoda Katarzyna, Tomaszewska Emilia, Celichowski Grzegorz:** Assessment of acute toxicological effects of molybdenum(IV) disulfide nano- and microparticles after single intratracheal administration in rats, Science of the Total Environment, vol. 2020, 2020, Numer artykułu: 140545, DOI:10.1016/j.scitotenv.2020.140545, łączna liczba autorów: *15*	200
102	Sobańska Z., Domeradzka-Gajda K., Szparaga M., **Grobelny Jarosław, Tomaszewska Emilia, Ranoszek-Soliwoda Katarzyna, Celichowski Grzegorz,** Zapór L., Kowalczyk K., Stępnik M.: Comparative analysis of biological effects of molybdenum(IV) sulfide in the form of nano- and microparticles on human hepatoma HepG2 cells grown in 2D and 3D models, Toxicology in Vitro, vol. 68, 2020, Numer artykułu: 104931, DOI:10.1016/j.tiv.2020.104931	100
103	**Spilarewicz-Stanek Kaja,** Jakimińska Anna, **Kisielewska Aneta,** Batory Damian, **Piwoński Ireneusz:** Understanding the Role of Silver Nanostructures and Graphene Oxide Applied as Surface Modification of TiO_2 in Photocatalytic Transformations of Rhodamine B under UV and Vis Irradiation, Materials, MDPIAG, vol. 13, nr 20, 2020, Numer artykułu: 4653, s. 1-21, DOI:10.3390/ma13204653	140
104	Stryjska Karolina, Radko Lidia, **Chęcińska Lilianna,** Kusz Joachim, Posyniak Andrzej, Ochocki Justyn: Synthesis, Spectroscopy, Light Stability, Single-Crystal Analysis, and In Vitro Cytotoxic Activity on HepG2 Liver Cancer of Two Novel Silver(I) Complexes of Miconazole, International Journal of Molecular Sciences, Multidisciplinary Digital Publishing Institute (MDPI), vol. 21, nr 10, 2020, Numer artykułu: 3629, s. 1-18, DOI:10.3390/ijms21103629	140
105	**Szczupak Łukasz, Kowalczyk Aleksandra,** Trzybiński Damian, Woźniak Krzysztof, Mendoza Gracia, Arruebo Manuel, **Stączek Paweł, Kowalski Konrad,** Steverding Dietmar: Organometallic ciprofloxacin conjugates with dual action: synthesis, characterization, and antimicrobial and cytotoxicity studies, Dalton Transactions, RSC Publications, vol. 49, nr 5, 2020, s. 1403-1415, DOI:10.1039/c9dt03948a	140
106	Szufa Szymon, Piersa Piotr, Adrian Łukasz, Sielski Jan, Grzesik Mieczysław, **Romanowska-Duda Zdzisława, Piotrowski Krzysztof, Lewandowska Wiktoria:** Acquisition of Torrefied Biomass from Jerusalem Artichoke Grown in a Closed Circular System Using Biogas Plant Waste, Molecules, vol. 25, nr 17, 2020, Numer artykułu: 3862, s. 1-20, DOI:10.3390/molecules25173862	140
107	**Utecht-Jarzyńska Greta, Jasiński Marcin Paweł, Świątek Kamil, Mlostoń Grzegorz,** Heimgartner Heinz: Novel trifluoromethylated spiro-1,3,4-thiadiazoles via (3+2)-cycloadditions of 2,3-diphenylcyclopropenethione with selected in-situ-generated nitrile imines derived from trifluoroacetonitrile, Heterocycles, vol. 101, nr 1, 2020, s. 251-262, DOI:10.3987/COM-19-S(F)20	40

108	**Utecht-Jarzyńska Greta, Jasiński Marcin Paweł,** Würthwein Ernst-Ulrich, Reissig Hans-Ulrich: The Cyclization of Allenyl-Substituted Hydroxylamines to 1,2-Oxazines: an Experimental and Computational Study, European Journal of Organic Chemistry, Wiley - V C H Verlag GmbH & Co. KGaA, vol. 2020, nr 43, 2020, s. 6740-6748, DOI:10.1002/ejoc.202001147	70
109	**Węgiel Justyna, Skrzypek Sławomira, Burnat Barbara:** Modyfikowane materiałami węglowymi oraz niewęglowymi ceramiczne elektrody węglowe - ich zastosowanie do oznaczeń wybranych związków biologicznych, Analityka: nauka i praktyka, MALAMUT, nr 1, 2020, s. 12-16	20
110	Wiercigroch Ewelina, Swit Pawel, **Kisielewska Aneta, Piwoński Ireneusz,** Malek Kamilla: Photocatalytic deposition of plasmonic Au nanostructures on a semiconductor substrate to enhance Raman sensitivity, Applied Surface Science, Elsevier BV - North-Holland, vol. 529, nr 1, 2020, Numer artykułu: 147021, DOI:10.1016/j.apsusc.2020.147021	140
111	Woźniczka Magdalena, Sutradhar Manas, Pombeiro Armando, Świątek Mirosława, Pająk Marek, Gądek-Sobczyńska Joanna, **Mikołajczyk-Chmiela Magdalena, Gonciarz Weronika, Pasternak Beata,** Kufelnicki Aleksander: Equilibria in aqueous cobalt(II)—reduced schiff base N-(2-hydroxybenzyl)alanine system: chemical characterization, kinetic analysis, antimicrobial and cytotoxic properties, Molecules, vol. 25, nr 15, 2020, Numer artykułu: 3462, s. 1-20, DOI:10.3390/molecules25153462	140
112	Wręczycki Jakub, Bieliński Dariusz M., Kozanecki Marcin, Maczugowska Paulina, **Mlostoń Grzegorz:** Anionic Copolymerization of Styrene Sulfide with Elemental Sulfur (S8), Materials, MDPIAG, vol. 13, nr 11, 2020, Numer artykułu: 2597, s. 1-19, DOI:10.3390/ma13112597	140
113	**Wrona-Piotrowicz Anna,** Makal Anna, **Zakrzewski Janusz:** Triflic Acid-Promoted Adamantylation and tert-Butylation of Pyrene: Fluorescent Properties of Pyrene-Decorated Adamantanes and a Channeled Crystal Structure of 1,3,5-Tris(pyren-2-yl)adamantane, Journal of Organic Chemistry, vol. 85, nr 17, 2020, s. 11134-11139, DOI:10.1021/acs.joc.0c01060	140
114	**Wrońska Natalia,** Anouar Aicha, El Achaby Mounir, **Zawadzka Katarzyna, Kędzierska Marta, Miłowska Katarzyna, Różalska Sylwia, Piwoński Ireneusz, Bryszewska Maria, Lisowska Katarzyna:** Chitosan-Functionalized Graphene Nanocomposite Films: Interfacial Interplay and Biological Activity, Materials, MDPIAG, vol. 13, nr 4, 2020, Numer artykułu: 998, s. 1-16, DOI:10.3390/ma13040998, łączna liczba autorów: *13*	140
115	Wróblewska Aneta, Śmiechowska Justyna, Kazimierski Sławomir, Wielgus Ewelina, Bujacz Grzegorz. D., **Mlostoń Grzegorz,** Chworos Arkadiusz, Suwara Justyna, Potrzebowski Marek J.: Application of 1-hydroxy-4,5-dimethyl-imidazole 3-oxide as coformer in formation of pharmaceutical cocrystals, Pharmaceutics, Multidisciplinary Digital Publishing Institute (MDPI), vol. 12, nr 4, 2020, Numer artykułu: 359, s. 1-22, DOI:10.3390/pharmaceutics12040359	100
116	**Wzgarda-Raj Kinga, Rybarczyk-Pirek Agnieszka,** Wojtulewski Sławomir, **Palusiak Marcin:** C—Br...S halogen bonds in novel thiourea N-oxide cocrystals: Analysis of energetic and QTAIM parameters, Acta Crystallographica Section C-Structural Chemistry, vol. 76, nr 2, 2020, s. 170-176, DOI:10.1107/S2053229620000947	140
117	**Zagórski Piotr, Tokarz Paulina,** Gostyński Bartłomiej, **Tokarz Paweł:** Experimental and computational studies on the formation and biological properties of the simplest polyfluoroalkyl phosphonates, New Journal of Chemistry, RSC Publications, vol. 44, nr 26, 2020, s. 10933-10945, DOI:10.1039/d0nj00963f	70
118	Zecin-Deren Anna, Lukomska-Szymanska Monika, Szczesio-Wlodarczyk Agata, **Piwoński Ireneusz,** Sokolowski Jerzy, Lapinska Barbara: The Influence of Application Protocol of Simplified and Universal Adhesives on the Dentin Bonding Performance, Applied Sciences-Basel, MDPI, vol. 10, nr 1, 2020, Numer artykułu: 124, s. 1-17, DOI:10.3390/app10010124	100

119	**Zgagacz W., Zakrzewski Robert, Urbaniak Katarzyna, Chwatko Grażyna, Nowicki A.:** The use of high-performance liquid chromatography with diode array detector for the determination of sulfide ions in human urine samples using pyrylium salts, Journal of Chromatography B-Analytical Technologies in the Biomedical and Life Sciences, vol. 1157, 2020, Numer artykułu: 122309, s. 1-7, DOI:10.1016/j.jchromb.2020.122309	70
120	**Zieliński Marek, Burnat Barbara, Miękoś Ewa:** Effects of a Constant Magnetic Field on the Electrochemical Reactions of Quercetin, ChemistryOpen, vol. 9, nr 12, 2020, s. 1229-1235, DOI:10.1002/open.202000066	70