

Lista nagrodzonych za publikacje w wysoko punktowanych czasopiśmie z roku 2021 w ramach "działania 2. Incentives program" finansowanego z budżetu ID.UJ Wydziału Chemii w roku 2022

L.p.	Imię	Nazwisko	Autorzy	Tytuł	Czasopismo	Tom	Strony	Rok
1	Marcin	Andrzejak	K. Filipowska, M. Pawlikowski, M. Andrzejak,	Optical Spectra of Oligofurans: A Theoretical Approach to the Transition Energies, Reorganization Energies, and the Vibronic Activity	MOLECULES	26, art. nr 7163	1-23	2021
2	Monika	Bakierska	M. Kubicka, M. Bakierska, K. Chudzik, M. Świętosławski, M. Molenda,	Nitrogen-Doped Carbon Aerogels Derived from Starch Biomass with Improved Electrochemical Properties for Li-Ion Batteries	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	22, art. nr 9918	1-14	2021
3	Małgorzata	Barańska	E. Machalska, G. Zajac, A. J. Wierzb, J. Kapitán, T. Andruniów, M. Spiegel, D. Gryko, P. Bouř, M. Barańska,	Recognition of the True and False Resonance Raman Optical Activity	ANGEWANDTE CHEMIE-INTERNATIONAL EDITION	60	21205-21210	2021
4	Mateusz	Brela	L. Malec, M. Brela, K. Stadnicka,	Displacive or Order-Disorder Phase Transition? The H-bond Dynamics in Multicaloric Ammonium Sulfate	ACTA MATERIALIA	209, art. nr 116782	1-11	2021
5	Małgorzata	Brindell	E. Janczy-Cempa, O. Mazuryk, D. Sirbu, N. Chopin, M. Zarnik, M. Zastawna, C. Colas, M. Hiebel, F. Suzenet, M. Brindell,	Nitro-Pyrazinotriazapentalene Scaffolds– Nitroreductase Quantification and in Vitro Fluorescence Imaging of Hypoxia	SENSORS AND ACTUATORS B-CHEMICAL	346, art. nr 130504	1-11	2021
			A. Wądołek, M. Oszajka, W. Pęcak, M. Brindell, G. Stochel,	Enhancement of NO Release from S-nitrosoalbumin by Pollution Derived Metal Ions	DALTON TRANSACTIONS	50	9923-9933	2021
			A. Wądołek, D. Drwiła, M. Oszajka, G. Stochel, E. Konduracka, M. Brindell,	Blood Plasma's Protective Ability against the Degradation of S-Nitrosoglutathione under the Influence of Air-Pollution-Derived Metal Ions in Patients with Exacerbation of Heart Failure and Coronary Artery Disease	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	22, art. nr 10500	1-19	2021
6	Agnieszka	Brzózka	D. Rajska, A. Brzózka, M. Marciszko-Wiąckowska, M. Marzec, D. Chlebda, K. Hnida-Gut, G. Sulka,	Optimization of Synthesis Conditions of Thin Te-doped InSb Films and First Principles Studies of Their Physicochemical Properties	APPLIED SURFACE SCIENCE	537, art. nr 147715	1-11	2021
			A. Brudzisz, A. Brzózka, G. Sulka,	Effect of the Supporting Electrolyte on Chloroform Reduction at a Silver Electrode in Aqueous Solutions	MOLECULES	26, art. nr 525	1-11	2021
7	Anna	Chachaj-Brekiesz	W. Tomal, D. Krok, A. Chachaj-Brekiesz, P. Lepcio, J. Ortyl,	Harnessing Light to Create Functional, Three-dimensional Polymeric Materials: Multitasking Initiation Systems as the Critical Key to Success	ADDITIVE MANUFACTURING	48, art. nr 102447	1-15	2021
8	Lucjan	Chmielarz	A. Mizera, A. Kowalczyk, L. Chmielarz, E. Drożdż,	Catalysts Based on Strontium Titanate Doped with Ni/Co/Cu for Dry Reforming of Methane	Materials	14, art. nr 7227	1-13	2021
			A. Jankowska, A. Kowalczyk, M. Rutkowska, M. Michalik, L. Chmielarz,	Spherical Al-MCM-41 Doped with Copper by Modified TIE Method as Effective Catalyst for Low-Temperature NH ₃ -SCR	MOLECULES	26, art. nr 1807	1-17	2021
9	Szymon	Choraży	J. Wang, J. Zakrzewski, M. Żychowicz, V. Vieru, L. F. Chibotaru, K. Nakabayashi, S. Choraży, S. Ohkoshi,	Holmium(III) Molecular Nanomagnets for Optical Thermometry Exploring the Luminescence Re-absorption Effect	Chemical Science	12	730-741	2021
10	Dariusz	Cieź	P. Paciorek, J. Szklarzewicz, B. Trzewik, D. Cieź, W. Nitek, M. Hodorowicz, A. Jurowska,	A Vanadium-catalyzed Synthesis of Fully Substituted Pyrroles	JOURNAL OF ORGANIC CHEMISTRY	86	1649-1658	2021
11	Janusz	Dąbrowski	B. Pucelik, A. Barzowska, J. Dąbrowski, A. Czarna,	Diabetic Kinome Inhibitors—A New Opportunity for β-Cells Restoration	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	22, art. nr 9083	1-53	2021
12	Marek	Drozdek	A. Rokicińska, P. Majerska, M. Drozdek, S. Jarczewski, L. Valentin, J. Chen, A. Slabon, S. Dzwigaj, P. Kuśtrowski,	Impact of Mn Addition on Catalytic Performance of Cu/SiBEA Materials in Total Oxidation of Aromatic Volatile Organic Compounds	APPLIED SURFACE SCIENCE	546, art. nr 149148	1-11	2021
			A. Rokicińska, M. Drozdek, E. Bogdan, A. Węgrzynowicz, P. Michorczyk, P. Kuśtrowski,	Combustion of Toluene over Cobalt-modified MFI Zeolite Dispersed on Monolith Produced Using 3D Printing Technique	CATALYSIS TODAY	375	369-376	2021
			A. Rokicińska, T. Berniak, M. Drozdek, P. Kuśtrowski,	In Search of Factors Determining Activity of Co ₃ O ₄ Nanoparticles Dispersed in Partially Exfoliated Montmorillonite Structure	MOLECULES	26, art. nr 3288	1-22	2021
13	Andrzej	Eilmes	P. Kubisiak, P. Wróbel, A. Eilmes,	How Temperature, Pressure, and Salt Concentration Affect Correlations in LiTFSI/EMIM-TFSI Electrolytes: A Molecular Dynamics Study	JOURNAL OF PHYSICAL CHEMISTRY B	125	12292-12302	2021
			P. Wróbel, P. Kubisiak, A. Eilmes,	MeTFSI (Me = Li, Na) Solvation in Ethylene Carbonate and Fluorinated Ethylene Carbonate: A Molecular Dynamics Study	JOURNAL OF PHYSICAL CHEMISTRY B	125	1248-1258	2021
14	Monika	Fedyna	J. Gryboś, M. Fedyna, P. Legutko, B. Leszczyński, J. Janas, A. Wach, J. Szlachetko, X. Yu, A. Kotarba, Z. Zhao, Z. Sojka,	Mechanistic Insights into Oxygen Dynamics in Soot Combustion over Cryptomelane Catalysts in Tight and Loose Contact Modes via 18O ₂ /16O ₂ Isotopic Variable Composition Measurements – A Hot Ring Model of the Catalyst Operation	ACS Catalysis	11	9530-9546	2021
			B. Mozgawa, F. Zasada, M. Fedyna, K. Góra-Marek, E. Tabor, K. Mlekodaj, J. Dědeček, Z. Zhao, P. Pietrzyk, Z. Sojka,	Analysis of NH ₃ -TPD Profiles for CuSSZ-13 SCR Catalyst of Controlled Al Distribution – Complexity Resolved by First Principles Thermodynamics of NH ₃ Desorption, IR and EPR Insight into Cu Speciation	CHEMISTRY-A EUROPEAN JOURNAL	27	17159-17180	2021
15	Barbara	Gil	M. Shamzhy, B. Gil, M. Opanasenko, W. Roth, J. Čejka,	MWW and MFI Frameworks As Model Layered Zeolites: Structures, Transformations, Properties, and Activity	ACS Catalysis	11	2366-2396	2021
			W. Roth, T. Sasaki, K. Wolski, Y. Ebina, D. Tang, Y. Michiue, N. Sakai, R. Ma, O. Cretu, J. Kikkawa, K. Kimoto, K. Kałahurska, B. Gil, S. Zapotoczny, M. Mazur, J. Grybek, A. Kowalczyk, J. Čejka,	Exfoliated Ferriite-Related Unilamellar Nanosheets in Solution and Their Use for Preparation of Mixed Zeolite Hierarchical Structures	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	143	11052-110	2021
			K. Kałahurska, P. Ziemiański, W. Roth, B. Gil,	From Colloidal Dispersions of Zeolite Monolayers to Effective Solid Catalysts in Transformations of Bulky Organic Molecules: Role of Freeze-Drying and Dialysis	MOLECULES	26, art. nr 2076	1-14	2021
16	Monika	Gołda-Cępa	M. Dziadek, K. Dziadek, K. Chęcińska, B. Zagrajczuk, M. Gołda-Cępa, M. Brzychczy-Włoch, E. Menaszek, A. Kopeć, K. Cholewa-Kowalska,	PCL and PCL/bioactive Glass Biomaterials As Carriers for Biologically Active Polyphenolic Compounds: Comprehensive Physicochemical and Biological Evaluation	BIOACTIVE MATERIALS	6	1811-1826	2021
17	Kinga	Góra-Marek	K. Tarach, M. Jabłońska, K. Pyra, M. Liebau, B. Reiprich, R. Glaser, K. Góra-Marek,	Effect of Zeolite Topology on NH ₃ -SCR Activity and Stability of Cu-exchanged Zeolites	APPLIED CATALYSIS B-ENVIRONMENTAL	284, art. nr 119752	1-16	2021
			W. Chen, G. Li, X. Yi, S. J. Day, K. Tarach, Z. Liu, S. Liu, S. C. Edman Tsang, K. Góra-Marek, A. Zheng,	Molecular Understanding of the Catalytic Consequence of Ketene Intermediates Under Confinement	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	143	15440-154	2021
18	Natalia	Górska	P. Fryń, S. Lalik, N. Górska, A. Iwan, M. Marzec,	Comparison of the Dielectric Properties of Ecoflex with L,D-Poly(Lactic Acid) or Polycaprolactone in the Presence of SWCN or 5CB	Materials	14, art. nr 1719	1-17	2021
19	Joanna	Gryboś	X. Yu, Y. Ren, D. Yu, M. Chen, L. Wang, R. Wang, X. Fan, Z. Zhao, K. Cheng, Y. Chen, J. Gryboś, A. Kotarba, Z. Sojka, Y. Wei, J. Liu,	Hierarchical Porous K-OMS-2/3DOM-m TiO ₂ /SiO ₂ Catalysts for Soot Combustion: Easy Preparation, High Catalytic Activity, and Good Resistance to H ₂ O and SO ₂	ACS Catalysis	11	5554-5571	2021
			J. Gryboś, M. Fedyna, P. Legutko, B. Leszczyński, J. Janas, A. Wach, J. Szlachetko, X. Yu, A. Kotarba, Z. Zhao, Z. Sojka,	Mechanistic Insights into Oxygen Dynamics in Soot Combustion over Cryptomelane Catalysts in Tight and Loose Contact Modes via 18O ₂ /16O ₂ Isotopic Variable Composition Measurements – A Hot Ring Model of the Catalyst Operation	ACS Catalysis	11	9530-9546	2021
			G. Grybek, J. Gryboś, P. Indyka, J. Janas, K. Ciura, B. Leszczyński, F. Zasada, A. Kotarba, Z. Sojka,	Evaluation of the Inhibiting Effect of H ₂ O, O ₂ , and NO on the Performance of Laboratory and Pilot K-ZnxCo ₃ -xO ₄ Catalysts Supported on α-Al ₂ O ₃ for Low-temperature N ₂ O Decomposition	APPLIED CATALYSIS B-ENVIRONMENTAL	297, art. nr 120435	1-10	2021
			L. Wolski, K. Sobańska, A. Walkowiak, K. Akhmetova, J. Gryboś, M. Frankowski, M. Ziolk, P. Pietrzyk,	Enhanced Adsorption and Degradation of Methylene Blue over Mixed Niobium-Cerium Oxide – Unraveling the Synergy between Nb and Ce in Advanced Oxidation Processes	JOURNAL OF HAZARDOUS MATERIALS	415, art. nr 125665	1-14	2021
20	Marlena	Gryl	J. Wojnarska, M. Gryl, T. Seidler, K. Stadnicka,	Investigation of Polar Crystalline Materials Containing Hydrochlorothiazide: Electron Density Distribution and Optical Properties	Acta Crystallographica Section B-Structural Science Crystal Engineering and Materials	77	965-973	2021
21	Gabriela	Grzybek	G. Grybek, J. Gryboś, P. Indyka, J. Janas, K. Ciura, B. Leszczyński, F. Zasada, A. Kotarba, Z. Sojka,	Evaluation of the Inhibiting Effect of H ₂ O, O ₂ , and NO on the Performance of Laboratory and Pilot K-ZnxCo ₃ -xO ₄ Catalysts Supported on α-Al ₂ O ₃ for Low-temperature N ₂ O Decomposition	APPLIED CATALYSIS B-ENVIRONMENTAL	297, art. nr 120435	1-10	2021
22	Arkadiusz	Gut	J. Ciejka, M. Grzybała, A. Gut, M. Szuwarzyński, K. Pyrc, M. Nowakowska, K. Szczubińska,	Tuning the Surface Properties of Poly(Allylamine Hydrochloride)-Based Multilayer Films	Materials	14, art. nr 2361	1-19	2021
23	Joanna	Hetmańczyk	J. Hetmańczyk, Ł. Hetmańczyk, J. Nowicka-Scheibe, A. Pawlukojć, J. K. Maurin, W. Schilf,	Structural, Thermal, and Vibrational Properties of N,N-Dimethylglycine–Chloranilic Acid—A New Co-Crystal Based on an Aliphatic Amino Acid	Materials	14, art. nr 3292	1-25	2021
24	Łukasz	Hetmańczyk	Ł. Hetmańczyk, E. A. Goremychkin, J. Waliszewski, M. V. Vener, P. Lipkowski, P. M. Tolstoy, A. Filarowski,	Spectroscopic Identification of Hydrogen Bond Vibrations and Quasi-Isostructural Polymorphism in N-Salicylideneaniline	MOLECULES	26, art. nr 5043	1-13	2021
25	Maciej	Hodorowicz	A. Jabłońska-Wawrzyszka, P. Rogala, G. Czerwonka, S. Michałkiewicz, M. Hodorowicz, K. Gałczyńska, B. Cieślak, P. Kowalczyk,	Tuning Anti-Biofilm Activity of Manganese(II) Complexes: Linking Biological Effectiveness of Heteroaromatic Complexes of Alcohol, Aldehyde, Ketone, and Carboxylic Acid with Structural Effects and Redox Activity	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	22, art. nr 4847	1-25	2021
26	James	Hooper	D. P. Miller, P. S. Costa, J. D. Teeter, A. Sinitzki, A. Enders, J. Hooper,	Seeking out Heterogeneous Hydrogen Bonding in a Self-Assembled 2D Cocrystal of Croconic Acid and Benzimidazole on Au(111)	Journal of Physical Chemistry C	125	2403-2410	2021
27	Sebastian	Jarczewski	A. Rokicińska, P. Majerska, M. Drozdek, S. Jarczewski, L. Valentin, J. Chen, A. Slabon, S. Dzwigaj, P. Kuśtrowski,	Impact of Mn Addition on Catalytic Performance of Cu/SiBEA Materials in Total Oxidation of Aromatic Volatile Organic Compounds	APPLIED SURFACE SCIENCE	546, art. nr 149148	1-11	2021
			A. Kostuch, S. Jarczewski, M. Surówka, P. Kuśtrowski, Z. Sojka, K. Kruczała,	The Joint Effect of Electrical Conductivity and Surface Oxygen Functionalities of Carbon Supports on the Oxygen Reduction Reaction Studied over Bare Supports and Mn–Co Spinell/carbon Catalysts in Alkaline Media	Catalysis Science & Technology	11	7578-7591	2021

28	Magdalena	Jarosz	M. Gołda-Cępa, W. Pajerski, J. Duch, M. Jarosz, P. Indyka, M. Pawlyta, D. Ochonska, M. Brzychczy-Wloch, Z. Sojka, A. Kotarba,	Innovative Method for the Preparation of Catalytic Surfaces: The Application of Microorganisms for the Deposition of Nanoparticles on Supports	APPLIED SURFACE SCIENCE	553, art. nr 149573	1-9	2021
			A. Pawlik, M. Jarosz, R. Socha, G. Sulka,	The Impacts of Crystalline Structure and Different Surface Functional Groups on Drug Release and the Osseointegration Process of Nanostructured TiO ₂	MOLECULES	26, art. nr 1723	1-16	2021
29	Anna	Jurowska	A. Jurowska, M. Hodorowicz, K. Kruczała, J. Szklarzewicz,	Anion-cation Interactions in a Series of Salts with Substituted Hphen, Hbpy and H2bpy Cations and [W(CN)8]4- Anion: Polymer with "Super-short" N-H N Hydrogen Bridges Containing Exclusively Anions and H+	DALTON TRANSACTIONS	50	17981-17987	2021
			P. Paciorek, J. Szklarzewicz, B. Trzewik, D. Cież, W. Nitek, M. Hodorowicz, A. Jurowska,	A Vanadium-catalyzed Synthesis of Fully Substituted Pyrroles	JOURNAL OF ORGANIC CHEMISTRY	86	1649-1658	2021
30	Agnieszka	Kaczor	K. Sitarz, K. Czamara, J. Bialecka, M. Klimek, S. Szostek, A. Kaczor,	Dual Switch in Lipid Metabolism in Cervical Epithelial Cells during Dysplasia Development Observed Using Raman Microscopy and Molecular Methods	CANCERS	13, art. nr 1997	1-16	2021
31	Justyna	Kalinowska-Tłuścik	M. Reczyński, D. Pinkowicz, K. Nakabayashi, C. Naether, J. Stanek, M. Kozieł, J. Kalinowska-Tłuścik, B. Sieklucka, S. Ohkoshi, B. Nowicka, J. Staroń, R. Bugno, W. Pietruś, G. Satała, S. Mordalski, D. Warszycy, A. Hogendorf, A. S. Hogendorf, J. Kalinowska-Tłuścik, T. Lenda, B. Pilarski, A. J. Bojarski,	Room-Temperature Bistability in a Ni-Fe Chain: Electron Transfer Controlled by Temperature, Pressure, Light, and Humidity	ANGEWANDTE CHEMIE-INTERNATIONAL EDITION	60	2330-2338	2021
				Rationally Designed N-phenylsulfonilindoles as a Tool for the Analysis of the Non-basic 5-HT _{6R} Ligands Binding Mode	EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY	209, art. nr 112916	1-9	2021
32	Kamil	Kamiński	A. Gilarska, A. Hinz, M. Bzowska, G. Dyduch, K. Kamiński, M. Nowakowska, J. Lewandowska-Łańcucka,	Addressing the Osteoporosis Problem-Multifunctional Injectable Hybrid Materials for Controlling Local Bone Tissue Remodeling	ACS Applied Materials & Interfaces	13	49762-497	2021
33	Anna	Karewicz	K. Karnas, T. Strączek, C. Kapusta, M. Lekka, J. Dulińska-Litewka, A. Karewicz,	Specific Binding of Novel SPION-Based System Bearing Anti-N-Cadherin Antibodies to Prostate Tumor Cells	International Journal of Nanomedicine	16	6537-6552	2021
34	Mariusz	Kępczyński	E. Chrobok, J. S. Jęczyński-Łazur, M. Bubka, K. Pradel, A. Klekocińska, J. D. Klich, A. R. Rahim, J. Myung, M. Kępczyński, M. H. Lewandowski,	Daily Coordination of Orexinergic Gating in the Rat Superior Colliculus—Implications for Intrinsic Clock Activities in the Visual System	FASEB JOURNAL	35, art. nr e21930	1-19	2021
35	Radosław	Kitel	N. Stach, A. Karim, P. Golik, R. Kitel, K. Pustelny, N. Gruba, K. Groborz, U. Jankowska, S. Kędracka-Krok, B. Władysław, M. Drąg, A. Lesner, G. Dubin,	Structural Determinants of Substrate Specificity of SplF Protease from Staphylococcus Aureus	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	22, art. nr 2220	1-17	2021
36	Marcin	Kobielski	Y. Zhu, X. Zheng, W. Zhang, A. Kheradmand, S. Gu, M. Kobielski, W. Macyk, H. Li, J. Huang, Y. Jiang,	Near-Infrared-Triggered Nitrogen Fixation over Upconversion Nanoparticles Assembled Carbon Nitride Nanotubes with Nitrogen Vacancies	ACS Applied Materials & Interfaces	13	32937-329	2021
			M. Kobielski, A. Nitta, W. Macyk, B. Ohtani,	Combined Spectroscopic Methods of Determination of Density of Electronic States: Comparative Analysis of Diffuse Reflectance Spectroelectrochemistry and Reversed Double-Beam Photoacoustic Spectroscopy	Journal of Physical Chemistry Letters	12	3019-3025	2021
37	Jolanta	Kochana	M. Madej, D. Matoga, K. Skaźnik, R. Porada, B. Baś, J. Kochana,	A Voltammetric Sensor Based on Mixed Proton-electron Conducting Composite Including Metal-organic Framework JUK-2 for Determination of Citalopram	MICROCHIMICA ACTA	188, art. nr 184	1-15	2021
38	Paweł	Kościelniak	P. Kościelniak, P. Nowak, J. Kozak, M. Wieczorek,	Comprehensive Assessment of Flow and Other Analytical Methods Dedicated to the Determination of Zinc in Water	MOLECULES	26, art. nr 3914	1-11	2021
			M. Gołąb, M. Woźniakiewicz, P. Nowak, P. Kościelniak,	An Automated Hydrodynamically Mediated Technique for Preparation of Calibration Solutions Via Capillary Electrophoresis System As a Promising Alternative to Manual Pipetting	MOLECULES	26, art. nr 6268	1-9	2021
			J. Paluch, J. Kozak, K. Mermer, I. Mołęda, M. Wieczorek, S. Kalinowski, P. Kościelniak,	Novel Integrated Flow-Based Steam Distillation and Titration System for Determination of Volatile Acidity in Wines	MOLECULES	26, art. nr 7673	1-13	2021
39	Andrzej	Kotarba	D. Yu, Y. Ren, X. Yu, X. Fan, L. Wang, R. Wang, Z. Zhao, K. Cheng, Y. Chen, Z. Sojka, A. Kotarba, Y. Wei, J. Liu,	Facile Synthesis of Birnessite-type K ₂ Mn ₄ O ₈ and Cryptomelane-type K ₂ xMn ₈ O ₁₆ Catalysts and Their Excellent Catalytic Performance for Soot Combustion with High Resistance to H ₂ O and SO ₂	APPLIED CATALYSIS B-ENVIRONMENTAL	285, art. nr 119779	1-14	2021
			X. Yu, Y. Ren, D. Yu, M. Chen, L. Wang, R. Wang, X. Fan, Z. Zhao, K. Cheng, Y. Chen, J. Gryboś, A. Kotarba, Z. Sojka, Y. Wei, J. Liu,	Hierarchical Porous K-OMS-2/3DOM-m TiO ₂ ·5H ₂ O Catalysts for Soot Combustion: Easy Preparation, High Catalytic Activity, and Good Resistance to H ₂ O and SO ₂	ACS Catalysis	11	5554-5571	2021
			J. Gryboś, M. Fedyna, P. Legutko, B. Leszczyński, J. Janas, A. Wach, J. Szlachetko, X. Yu, A. Kotarba, Z. Zhao, Z. Sojka,	Mechanistic Insights into Oxygen Dynamics in Soot Combustion over Cryptomelane Catalysts in Tight and Loose Contact Modes via 18O ₂ /16O ₂ Isotopic Variable Composition Measurements – A Hot Ring Model of the Catalyst Operation	ACS Catalysis	11	9530-9546	2021
40	Andrzej	Kowalczyk	W. Roth, T. Sasaki, K. Wolski, Y. Ebina, D. Tang, Y. Michiue, N. Sakai, R. Ma, O. Cretu, J. Kikkawa, K. Kimoto, K. Kafahurska, B. Gil, S. Zapotoczny, M. Mazur, J. Grzybek, A. Kowalczyk, J. Cejka,	Exfoliated Ferrierite-Related Unilamellar Nanosheets in Solution and Their Use for Preparation of Mixed Zeolite Hierarchical Structures	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	143	11052-110	2021
			A. Mizera, A. Kowalczyk, L. Chmielarz, E. Drożdż,	Catalysts Based on Strontium Titanate Doped with Ni/Co/Cu for Dry Reforming of Methane	Materials	14, art. nr 7227	1-13	2021
			A. Jankowska, A. Kowalczyk, M. Rutkowska, M. Michalik, L. Chmielarz,	Spherical Al-MCM-41 Doped with Copper by Modified TIE Method as Effective Catalyst for Low-Temperature NH ₃ -SCR	MOLECULES	26, art. nr 1807	1-17	2021
41	Joanna	Kozak	P. Kościelniak, P. Nowak, J. Kozak, M. Wieczorek,	Comprehensive Assessment of Flow and Other Analytical Methods Dedicated to the Determination of Zinc in Water	MOLECULES	26, art. nr 3914	1-11	2021
			J. Paluch, J. Kozak, K. Mermer, I. Mołęda, M. Wieczorek, S. Kalinowski, P. Kościelniak,	Novel Integrated Flow-Based Steam Distillation and Titration System for Determination of Volatile Acidity in Wines	MOLECULES	26, art. nr 7673	1-13	2021
42	Marcin	Kozieł	M. Reczyński, D. Pinkowicz, K. Nakabayashi, C. Naether, J. Stanek, M. Kozieł, J. Kalinowska-Tłuścik, B. Sieklucka, S. Ohkoshi, B. Nowicka,	Room-Temperature Bistability in a Ni-Fe Chain: Electron Transfer Controlled by Temperature, Pressure, Light, and Humidity	ANGEWANDTE CHEMIE-INTERNATIONAL EDITION	60	2330-2338	2021
			E. Kuźniak-Glanowska, P. Konieczny, R. Pełka, T. M. Muzioł, M. Kozieł, R. Podgajny,	Engineering of the XY Magnetic Layered System with Adenium Cations: Monocrystalline Angle-Resolved Studies of Nonlinear Magnetic Susceptibility	INORGANIC CHEMISTRY	60	10186-10198	2021
			M. Gurgul, M. Kozieł, L. Zaraska,	Tuning the Photoelectrochemical Properties of Narrow Band Gap Nanoporous Anodic SnO _x Films by Simple Soaking in Water	Materials	14, art. nr 1777	1-8	2021
43	Paweł	Kozyra	M. Lupa, P. Kozyra, G. Jajko, D. Matoga,	Trojan Horse Thiocyanate: Induction and Control of High Proton Conductivity in CPO-27/MOF-74 Metal-Organic Frameworks by Metal Selection and Solvent-Free Mechanochemical Dosing	ACS Applied Materials & Interfaces	13	29820-298	2021
			G. Jajko, P. Kozyra, J. J. Gutiérrez-Sevillano, W. Makowski, S. Calero,	Carbon Dioxide Capture Enhanced by Pre-Adsorption of Water and Methanol in UiO-66	CHEMISTRY-A EUROPEAN JOURNAL	27	14653-146	2021
45	Krzysztof	Kruczała	A. Kostuch, S. Jarczewski, M. Surówka, P. Kuśtrowski, Z. Sojka, K. Kruczała,	The Joint Effect of Electrical Conductivity and Surface Oxygen Functionalities of Carbon Supports on the Oxygen Reduction Reaction Studied over Bare Supports and Mn-Co Spinel/carbon Catalysts in Alkaline Media	Catalysis Science & Technology	11	7578-7591	2021
			K. Budny-Godlewski, M. K. Leszczyński, A. Tulewicz, I. Justyniak, D. Pinkowicz, B. Sieklucka, K. Kruczała, Z. Sojka, J. Lewiński,	A Case Study on the Desired Selectivity in Solid-State Mechano- and Slow-Chemistry, Melt, and Solution Methodologies	ChemSusChem	14	3887-3894	2021
			A. Jurowska, M. Hodorowicz, K. Kruczała, J. Szklarzewicz,	Anion-cation Interactions in a Series of Salts with Substituted Hphen, Hbpy and H2bpy Cations and [W(CN)8]4- Anion: Polymer with "Super-short" N-H N Hydrogen Bridges Containing Exclusively Anions and H+	DALTON TRANSACTIONS	50	17981-17987	2021
			A. Kostuch, J. Gryboś, S. Wierzbicki, Z. Sojka, K. Kruczała,	Selectivity of Mixed Iron-Cobalt Spinel Deposited on a N,S-Doped Mesoporous Carbon Support in the Oxygen Reduction Reaction in Alkaline Media	Materials	14, art. nr 820	1-19	2021
46	Piotr	Kubisiak	P. Wróbel, P. Kubisiak, A. Eilmes,	NaFSI and NaTFSI Solutions in Ether Solvents from Monoglyme to Poly(ethylene Oxide) – A Molecular Dynamics Study	JOURNAL OF PHYSICAL CHEMISTRY B	125	10293-10303	2021
			P. Kubisiak, P. Wróbel, A. Eilmes,	How Temperature, Pressure, and Salt Concentration Affect Correlations in LiTFSI/EMIM-TFSI Electrolytes: A Molecular Dynamics Study	JOURNAL OF PHYSICAL CHEMISTRY B	125	12292-12302	2021
47	Magdalena	Kurdziel	K. Królikowska, S. Pietrzyk, M. Łabanowska, M. Kurdziel, P. Pająk,	The Influence of Acid Hydrolysis on Physicochemical Properties of Starch-oleic Acid Mixtures and Generation of Radicals	FOOD HYDROCOLLOIDS	118, art. nr 106780	1-11	2021
48	Katarzyna	Kurpiewska	M. Brzozowska, G. Handzlik, K. Kurpiewska, M. Żychowicz, D. Pinkowicz,	Pseudo-tetrahedral vs Pseudo-octahedral ErIII Single Molecule Magnets and the Disruptive Role of Coordinated TEMPO Radical	Inorganic Chemistry Frontiers	8	2817-2828	2021
49	Piotr	Kuśtrowski	T. M. Budnyak, J. Onwumere, I. V. Pylypchuk, A. Jaworski, J. Chen, A. Rokicińska, M. E. Lindström, P. Kuśtrowski, O. Sevastyanova, A. Słabon,	LignoPhot: Conversion of Hydrolysis Lignin into the Photoactive Hybrid Lignin/Bi ₄ O ₅ Br ₂ /BiOBr Composite for Simultaneous Dyes Oxidation and Co ²⁺ and Ni ²⁺ Recycling	CHEMOSPHERE	279, art. nr 130538	1-11	2021
50	Agnieszka	Kyziół	K. Kleszcz, M. Hebda, A. Kyziół, H. Krawiec, K. Kyziół,	Towards Prevention of Biofilm Formation: Ti6Al7Nb Modified with Nanocomposite Layers of Chitosan and Ag/Au Nanoparticles	APPLIED SURFACE SCIENCE	557, art. nr 149795	1-12	2021
51	Piotr	Legutko	J. Gryboś, M. Fedyna, P. Legutko, B. Leszczyński, J. Janas, A. Wach, J. Szlachetko, X. Yu, A. Kotarba, Z. Zhao, Z. Sojka,	Mechanistic Insights into Oxygen Dynamics in Soot Combustion over Cryptomelane Catalysts in Tight and Loose Contact Modes via 18O ₂ /16O ₂ Isotopic Variable Composition Measurements – A Hot Ring Model of the Catalyst Operation	ACS Catalysis	11	9530-9546	2021
52	Joanna	Lewandowska-Łańcucka	A. Gilarska, A. Hinz, M. Bzowska, G. Dyduch, K. Kamiński, M. Nowakowska, J. Lewandowska-Łańcucka,	Addressing the Osteoporosis Problem-Multifunctional Injectable Hybrid Materials for Controlling Local Bone Tissue Remodeling	ACS Applied Materials & Interfaces	13	49762-497	2021

53	Krzysztof	Lewiński	J. K. Keppler, A. Heyse, E. Scheidler, M. J. Uttinger, L. Fitzner, U. Jandt, T. R. Heyn, V. Lautenbach, J. Loch, J. Lohr, H. Kieserling, G. Günther, E. Kempf, J. Grosch, K. Lewiński, D. Jahn, C. Lübbert, W. Peukert, U. Kulozik, S. Drusch, R. Krull, K. Schwarz, R. Biedendieck,	Towards Recombinantly Produced Milk Proteins: Physicochemical and Emulsifying Properties of Engineered Whey Protein Beta-lactoglobulin Variants	FOOD HYDROCOLLOIDS	110, art. nr 106132	1-14	2021
54	Joanna	Loch	J. Loch, B. Imiolczyk, J. Śliwiak, A. Wantuch, M. Bejger, M. Gilski, M. Jaskólski,	Crystal Structures of the Elusive Rhizobium Etli L-asparaginase Reveal a Peculiar Active Site	Nature Communications	12, art. nr 6717	1-11	2021
55	Piotr	Łątka	K. Sidor, T. Berniak, P. Łątka, A. Rokicińska, M. Michalik, P. Kuśtrowski,	Tailoring Properties of Resol Resin-Derived Spherical Carbons for Adsorption of Phenol from Aqueous Solution	MOLECULES	26, art. nr 1736	1-17	2021
56	Wojciech	Macyk	Y. Zhu, X. Zheng, W. Zhang, A. Kheradmand, S. Gu, M. Kobielski, W. Macyk, H. Li, J. Huang, Y. Jiang,	Near-Infrared-Triggered Nitrogen Fixation over Upconversion Nanoparticles Assembled Carbon Nitride Nanotubes with Nitrogen Vacancies	ACS Applied Materials & Interfaces	13	32937-329	2021
			M. Kobielski, A. Nitta, W. Macyk, B. Ohtani,	Combined Spectroscopic Methods of Determination of Density of Electronic States: Comparative Analysis of Diffuse Reflectance Spectroelectrochemistry and Reversed Double-Beam Photoacoustic Spectroscopy	Journal of Physical Chemistry Letters	12	3019-3025	2021
57	Maria	Madej	M. Madej, D. Matoga, K. Skaźnik, R. Porada, B. Baś, J. Kochana,	A Voltammetric Sensor Based on Mixed Proton-electron Conducting Composite Including Metal-organic Framework JUK-2 for Determination of Citalopram	MICROCHIMICA ACTA	188, art. nr 184	1-15	2021
58	Katarzyna	Magiera-Mularz	D. Muszak, E. Surmiak, J. Plewka, K. Magiera-Mularz, J. Kocik-Król, B. Musielak, D. Sala, R. Kiteł, M. Stec, K. Węglarczyk, M. Siedlar, A. Dömling, Ł. Skalniak,	Terphenyl-Based Small-Molecule Inhibitors of Programmed Cell Death-1/Programmed Death-Ligand 1 Protein-Protein Interaction	JOURNAL OF MEDICINAL CHEMISTRY	64	11614-11636	2021
			R. Butera, M. Ważyńska, K. Magiera-Mularz, J. Plewka, B. Musielak, E. Surmiak, D. Sala, R. Kiteł, M. De Bruyn, H. W. Nijman, P. H. Elsinga, T. Holak, A. Dömling,	Design, Synthesis, and Biological Evaluation of Imidazopyridines as PD-1/PD-L1 Antagonists	ACS Medicinal Chemistry Letters	12	768-773	2021
			E. Surmiak, K. Magiera-Mularz, B. Musielak, D. Muszak, J. Kocik-Król, R. Kiteł, J. Plewka, T. Holak, Ł. Skalniak,	PD-L1 Inhibitors: Different Classes, Activities, and Mechanisms of Action	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	22, art. nr 11797	1-13	2021
59	Dorota	Majda	E. Juszczak, P. Kulinowski, E. Baran, A. Birczyński, D. Majda, E. García-Montoya, P. Pérez-Lozano, J. M. Suñé-Negre, W. P. Węglarz, P. Dorożyński,	Spatiotemporal Analysis of Hydration Mechanism in Sodium Alginate Matrix Tablets	Materials	14, art. nr 646	1-13	2021
60	Katarzyna	Majzner	E. Bik, Ł. Mateuszuk, M. Stojak, S. Chłopicki, M. Barańska, K. Majzner,	Menadione-induced Endothelial Inflammation Detected by Raman Spectroscopy	BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR CELL RESEARCH	1868, art. nr 118911	1-10	2021
			E. Bik, Ł. Mateuszuk, J. Orleańska, M. Barańska, S. Chłopicki, K. Majzner,	Chloroquine-Induced Accumulation of Autophagosomes and Lipids in the Endothelium	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	22, art. nr 2401	1-14	2021
61	Wacław	Makowski	M. Magott, B. Gaweł, M. Sarewicz, M. Reczyński, K. Ogorzały, W. Makowski, D. Pinkowicz,	Large Breathing Effect Induced by Water Sorption in a Remarkably Stable Nonporous Cyanide-bridged Coordination Polymer	Chemical Science	12	9176-9188	2021
			G. Jajko, P. Kozyra, J. J. Gutiérrez-Sevillano, W. Makowski, S. Calero,	Carbon Dioxide Capture Enhanced by Pre-Adsorption of Water and Methanol in UiO-66	CHEMISTRY-A EUROPEAN JOURNAL	27	14653-14659	2021
62	Kamilla	Małek	Ł. Zadka, K. Chrabąszcz, I. Buzalewicz, E. Wiercigroch, N. Glatzel-Plucińska, Ł. Szleszkowski, A. Gomulkiwicz, A. Piotrowska, K. Kurnol, P. Dziągiew, T. Jurek, K. Małek,	Molecular Profiling of the Intestinal Mucosa and Immune Cells of the Colon by Multi-parametric Histological Techniques	Scientific Reports	11, art. nr 11309	1-16	2021
63	Dariusz	Matoga	K. Roztocki, M. Rauche, V. Bon, S. Kaskel, E. Brunner, D. Matoga,	Combining in Situ Techniques (XRD, IR and 13C-NMR) and Gas Adsorption Measurements Reveals CO ₂ -Induced Structural Transitions and High CO ₂ /CH ₄ Selectivity for a Flexible Metal-organic Framework JUK-8	ACS Applied Materials & Interfaces	13	28503-285	2021
64	Olga	Mazuryk	E. Janczy-Cempa, O. Mazuryk, D. Sirbu, N. Chopin, M. Żarnik, M. Zastawna, C. Colas, M. Hiebel, F. Suzenet, M. Brindell,	Nitro-Pyrazinotriazapentalene Scaffolds– Nitroreductase Quantification and in Vitro Fluorescence Imaging of Hypoxia	SENSORS AND ACTUATORS B-CHEMICAL	346, art. nr 130504	1-11	2021
65	Mariusz	Mitoraj	G. Mahmoudi, M. G. Babashkina, W. Maniukiewicz, F. A. Afkhami, B. B. Nunna, F. I. Zubkov, A. Ptaszek, D. Szczepanik, M. Mitoraj, D. Safin,	Solvent-Induced Formation of Novel Ni(II) Complexes Derived from Bis-Thiosemicarbazone Ligand: An Insight from Experimental and Theoretical Investigations	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	22, art. nr 5337	1-20	2021
			A. A. Shiryayev, T. M. Burkhanova, M. Mitoraj, M. Kukułka, F. Sagan, G. Mahmoudi, M. G. Babashkina, M. Bolte, D. Safin,	Supramolecular Structures of Ni(II) and Cu(II) with the Sterically Demanding Schiff Base Dyes Driven by Cooperative Action of Preagostic and Other Non-covalent Interactions	IUCrJ	8	351-361	2021
66	Marcin	Molenda	M. Kubicka, M. Bakierska, K. Chudzik, M. Świętosławski, M. Molenda,	Nitrogen-Doped Carbon Aerogels Derived from Starch Biomass with Improved Electrochemical Properties for Li-Ion Batteries	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	22, art. nr 9918	1-14	2021
67	Bogdan	Musielak	E. Żyła, B. Musielak, T. Holak, G. Dubin,	Structural Characterization of a Macrocyclic Peptide Modulator of the PD-1/PD-L1 Immune Checkpoint Axis	MOLECULES	26, art. nr 4848	1-9	2021
68	Damian	Muszak	D. Muszak, E. Surmiak, J. Plewka, K. Magiera-Mularz, J. Kocik-Król, B. Musielak, D. Sala, R. Kiteł, M. Stec, K. Węglarczyk, M. Siedlar, A. Dömling, Ł. Skalniak, T. Holak,	Terphenyl-Based Small-Molecule Inhibitors of Programmed Cell Death-1/Programmed Death-Ligand 1 Protein-Protein Interaction	JOURNAL OF MEDICINAL CHEMISTRY	64	11614-11636	2021
			E. Surmiak, K. Magiera-Mularz, B. Musielak, D. Muszak, J. Kocik-Król, R. Kiteł, J. Plewka, T. Holak, Ł. Skalniak,	PD-L1 Inhibitors: Different Classes, Activities, and Mechanisms of Action	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	22, art. nr 11797	1-13	2021
69	Wojciech	Nitek	D. Jędrzejowski, M. Pander, W. Nitek, W. Bury, D. Matoga,	Turning Flexibility into Rigidity: Stepwise Locking of Interpenetrating Networks in a MOF Crystal through Click Reaction	CHEMISTRY OF MATERIALS	33	7509-7517	2021
			E. Żesławska, E. Szymańska, W. Nitek, J. Handzlik,	Crystallographic Studies of Piperazine Derivatives of 3-methyl-5-spirofluorenehydantoin in Search of Structural Features of P-gp Inhibitors	ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY	77	467-478	2021
70	Paweł	Nowak	P. Kościelniak, P. Nowak, J. Kozak, M. Wiczorek,	Comprehensive Assessment of Flow and Other Analytical Methods Dedicated to the Determination of Zinc in Water	MOLECULES	26, art. nr 3914	1-11	2021
			M. Gołąb, M. Woźniakiewicz, P. Nowak, P. Kościelniak,	An Automated Hydrodynamically Mediated Technique for Preparation of Calibration Solutions Via Capillary Electrophoresis System As a Promising Alternative to Manual Pipetting	MOLECULES	26, art. nr 6268	1-9	2021
			P. Nowak, R. Wietecha-Postuszny, J. Pawliszyn,	White Analytical Chemistry: An Approach to Reconcile the Principles of Green Analytical Chemistry and Functionality	TRAC-TRENDS IN ANALYTICAL CHEMISTRY	138, art. nr 116223	1-10	2021
71	Anna	Nowakowska	P. Leszczenko, A. Borek-Doros, A. Nowakowska, A. Adamczyk, S. Kashyrskaya, J. Jakubowska, M. Ząbczyńska, A. Pastorczak, K. Ostrowska, M. Barańska, K. M. Marzec, K. Majzner,	Towards Raman-Based Screening of Acute Lymphoid Leukemia-Type B (B-ALL) Subtypes	CANCERS	13, art. nr 5483	1-21	2021
72	Beata	Nowicka	M. Reczyński, D. Pinkowicz, K. Nakabayashi, C. Naether, J. Stanek, M. Kozieł, J. Kalinowska-Tłuściak, B. Sieklucka, S. Ohkoshi, B. Nowicka,	Room-Temperature Bistability in a Ni-Fe Chain: Electron Transfer Controlled by Temperature, Pressure, Light, and Humidity	ANGEWANDTE CHEMIE-INTERNATIONAL EDITION	60	2330-2338	2021
			M. Reczyński, M. Akaki, T. Fukuda, Y. Sawada, K. Nishii, M. Hagiwara, W. Nitek, B. Sieklucka, B. Nowicka,	Hepta-coordinated Ni(II) Assemblies – Structure and Magnetic Studies	DALTON TRANSACTIONS	50	5251-5261	2021
			M. Heczko, M. Reczyński, C. Naether, B. Nowicka,	Tuning of Magnetic Properties of the 2D CN-bridged Ni(II)-Nb(IV) Framework by Incorporation of Guest Cations of Alkali and Alkaline Earth Metals	DALTON TRANSACTIONS	50	7537-7544	2021
73	Magdalena	Obłozza	A. Milewska, Y. Chi, A. Szczepański, E. Barreto-Duran, A. Dąbrowska, P. Botwina, M. Obłozza, F. Zhu, K. Liu, D. Liu, X. Guo, Y. Ge, J. Li, L. Cui, M. Ochman, K. Szczubiałka, M. Urlik, M. Nowakowska, S. Rodziejewicz-Motowidło, Krzysztof Pyrc,	HTCC as a Polymeric Inhibitor of SARS-CoV-2 and MERS-CoV	JOURNAL OF VIROLOGY	95, art. nr e01622-20	1-15	2021
74	Łukasz	Orzeł	J. Polaczek, H. Subedi, Ł. Orzeł, L. Lisboa, R. Cink, G. Stochel, N. Brasch, R. van Eldik,	Mechanistic Studies on the Reaction between Aquacobalamin and the HNO Donor Pilot's Acid over a Wide pH Range in Aqueous Solution	INORGANIC CHEMISTRY	60	2964-2975	2021
			Ł. Orzeł, M. Osajca, J. Polaczek, D. Porębska, R. van Eldik, G. Stochel,	High-Pressure Mechanistic Insight into Bioinorganic NO Chemistry	MOLECULES	26, art. 4947	1-24	2021
			D. Porębska, Ł. Orzeł, D. Rutkowska-Żbik, G. Stochel, R. van Eldik,	Ligand-Tuning of the Stability of Pd(II) Conjugates with Cyanocobalamin	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	22, art. nr 7973	1-16	2021
75	Maria	Osajca	M. Glanowski, P. Wójcik, M. Prochner, T. Borowski, D. Lupa, P. Mielczarek, M. Osajca, K. Świderek, V. Moliner, A. J. Bojarski, M. Szaleniec,	Enzymatic δ ¹ -Dehydrogenation of 3-ketosteroids-reconciliation of Kinetic Isotope Effects with the Reaction Mechanism	ACS Catalysis	11	8211-8225	2021
			D. Chatterjee, M. Osajca, A. Katafias, R. van Eldik,	Electrochemistry of Ru(edta) Complexes Relevant to Small Molecule Transformations: Catalytic Implications and Challenges	COORDINATION CHEMISTRY REVIEWS	436, art. nr 213773	1-16	2021
76	Joanna	Paczkowska	I. Rutkowska, J. Marchewka, P. Jeleń, M. Odziomek, M. Korpyś, J. Paczkowska, M. Sitarz,	Chemical and Structural Characterization of Amorphous and Crystalline Alumina Obtained by Alternative Sol-Gel Preparation Routes	Materials	14, art. nr 1761	1-18	2021

77	Justyna	Paluch	J. Paluch, J. Kozak, K. Mermer, I. Mołgda, M. Wiczorek, S. Kalinowski, P. Kościelniak,	Novel Integrated Flow-Based Steam Distillation and Titration System for Determination of Volatile Acidity in Wines	MOLECULES	26, art. nr 7673	1-13	2021
78	Miłosz	Pawlicki	K. Bartkowski, M. Pawlicki,	(Aza)Acenes Share the C2 Bridge with (Anti)Aromatic Macrocycles – Local vs. Global Delocalization Paths	ANGEWANDTE CHEMIE-INTERNATIONAL EDITION	60	9063-9070	2021
79	Wojciech	Piekoszewski	Z. Sun, M. Yao, X. Bian, Q. Guo, H. Guan, Y. Yang, B. Wang, Y. Shi, W. Piekoszewski, X. Yang, N. Zhang,	The Influence of Soy Protein Hydrolysate (SPH) Addition to Infant Formula Powder on Streptococcus Thermophilus Proliferation and Metabolism	FOOD RESEARCH INTERNATIONAL	141, art. nr 110103	1-27	2021
80	Piotr	Pietrzyk	L. Wolski, K. Sobańska, A. Walkowiak, K. Akhmetova, J. Gryboś, M. Frankowski, M. Ziolk, P. Pietrzyk, A. Chrzanowska, A. Drzewiecka-Antonik, K. Dobrzyńska, J. Stefańska, P. Pietrzyk, M. Struga, A. Bielenica,	Enhanced Adsorption and Degradation of Methylene Blue over Mixed Niobium-Cerium Oxide – Unraveling the Synergy between Nb and Ce in Advanced Oxidation Processes	JOURNAL OF HAZARDOUS MATERIALS	415, art. nr 125665	1-14	2021
				The Cytotoxic Effect of Copper (II) Complexes with Halogenated 1,3-Disubstituted Arylthioureas on Cancer and Bacterial Cells	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	22, art. nr 11415	1-28	2021
81	Dawid	Pinkowicz	M. Magott, D. Pinkowicz,	Chiral Porous CN-bridged Coordination Polymer Mimicking MOF-74 and Showing Magnetization Photoswitching	CHEMICAL COMMUNICATIONS	57	9926-9929	2021
82	Witold	Piskorz	A. Janas, W. Piskorz, A. Kryshtal, G. Cempura, W. Bełza, A. Kruk, B. R. Jany, F. Krok,	Into the Origin of Electrical Conductivity for the Metal–semiconductor Junction at the Atomic Level	APPLIED SURFACE SCIENCE	570, art. nr 150958	1-7	2021
83	Robert	Podgajny	E. Kuźniak-Glanowska, J. Kobylarczyk, K. Jędrzejowska, D. Głosz, R. Podgajny,	Exploring the Structure-property Schemes in Anion-π Systems of D-block Metalates	DALTON TRANSACTIONS	50	10999-11015	2021
84	Justyna	Polaczek	J. Polaczek, H. Subedi, L. Orzeł, L. Lisboa, R. Cink, G. Stochel, N. Brasch, R. van Eldik, L. Orzeł, M. Osajca, J. Polaczek, D. Porębska, R. van Eldik, G. Stochel,	Mechanistic Studies on the Reaction between Aquacobalamin and the HNO Donor Pilot's Acid over a Wide pH Range in Aqueous Solution	INORGANIC CHEMISTRY	60	2964-2975	2021
				High-Pressure Mechanistic Insight into Bioinorganic NO Chemistry	MOLECULES	26, art. 4947	1-24	2021
85	Mariusz	Radoń	M. Osajca, G. Drabik, M. Radoń, A. Franke, R. Van Eldik, G. Stochel, P. Pietrzyk, K. Góra-Marek, T. Mazur, B. Mozgawa, M. Radoń, M. Chiesa, Z. Zhao, Z. Sojka, E. Broclawik, P. Kozyra, M. Mitoraj, M. Radoń, P. Rejmak,	Experimental and Computational Insight into the Mechanism of NO Binding to Ferric Microperoxidase. The Likely Role of Tautomerization to Account for the pH Dependence	INORGANIC CHEMISTRY	60	15948-15967	2021
				Structure and Mechanistic Relevance of Ni2+–NO Adduct in Model HC SCR Reaction over NiZSM-5 Catalyst – Insights from Standard and Correlation EPR and IR Spectroscopic Studies Corroborated by Molecular Modeling	JOURNAL OF CATALYSIS	394	206-219	2021
				Zeolites at the Molecular Level: What May Be Learned from Molecular Modeling	MOLECULES	26, art. nr 1511	1-33	2021
86	Mariusz	Reczyński	M. Reczyński, D. Pinkowicz, K. Nakabayashi, C. Naether, J. Stanek, M. Kozieł, J. Kalinowska-Tłuścik, B. Sieklucka, S. Ohkoshi, B. Nowicka, M. Magott, B. Gawel, M. Sarewicz, M. Reczyński, K. Ogorzaly, W. Makowski, D. Pinkowicz, A. Puzan, M. Żychowicz, J. Wang, J. Zakrzewski, M. Reczyński, S. Ohkoshi, S. Chorąży,	Room-Temperature Bistability in a Ni–Fe Chain: Electron Transfer Controlled by Temperature, Pressure, Light, and Humidity	ANGEWANDTE CHEMIE-INTERNATIONAL EDITION	60	2330-2338	2021
				Large Breathing Effect Induced by Water Sorption in a Remarkably Stable Nonporous Cyanide-bridged Coordination Polymer	Chemical Science	12	9176-9188	2021
				Tunable Magnetic Anisotropy in Luminescent Cyanido-bridged [Dy2Pt3] Molecules Incorporating Heteroligand Pt-IV Linkers	DALTON TRANSACTIONS	50	16242-16253	2021
87	Anna	Rokicińska	Z. Ma, M. Klimpel, S. Budnyk, A. Rokicińska, P. Kuśtrowski, R. Dronkowski, A. P. Mathew, T. Budnyak, A. Slabon, E. Bogdan, B. Michorczyk, A. Rokicińska, M. Basta, M. Myradova, P. Kuśtrowski, P. Michorczyk,	Combining Electrocatalysts and Biobased Adsorbents for Sustainable Denitrification	ACS SUSTAINABLE CHEMISTRY & ENGINEERING	9	3658-3667	2021
				Monolithic Composites with Geometry Controlled by Polymeric 3D Printed Templates: Characterization and Catalytic Performance in OCM	APPLIED SURFACE SCIENCE	553, art. nr 149554	1-11	2021
88	Wiesław	Roth	M. Shamzhy, B. Gil, M. Opanasenko, W. Roth, J. Čejka, W. Roth, T. Sasaki, K. Wolski, Y. Ebina, D. Tang, Y. Michiue, N. Sakai, R. Ma, O. Cretu, J. Kikkawa, K. Kimoto, K. Kałahurska, B. Gil, S. Zapotoczny, M. Mazur, J. Grzybek, A. Kowalczyk, J. Čejka, K. Kałahurska, P. Ziemiński, W. Roth, B. Gil,	MWW and MFI Frameworks As Model Layered Zeolites: Structures, Transformations, Properties, and Activity	ACS Catalysis	11	2366-2396	2021
				Exfoliated Ferrierite-Related Unilamellar Nanosheets in Solution and Their Use for Preparation of Mixed Zeolite Hierarchical Structures	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	143	11052-110	2021
				From Colloidal Dispersions of Zeolite Monolayers to Effective Solid Catalysts in Transformations of Bulky Organic Molecules: Role of Freeze-Drying and Dialysis	MOLECULES	26, art. nr 2076	1-14	2021
89	Małgorzata	Rutkowska	A. Jankowska, A. Kowalczyk, M. Rutkowska, M. Michalik, L. Chmielarz,	Spherical Al-MCM-41 Doped with Copper by Modified TIE Method as Effective Catalyst for Low-Temperature NH3-SCR	MOLECULES	26, art. nr 1807	1-17	2021
90	Filip	Sagan	A. A. Shiryayev, T. M. Burkhanova, M. Mitoraj, M. Kukułka, F. Sagan, G. Mahmoudi, M. G. Babashkina, M. Bolte, D. Safin,	Supramolecular Structures of NiII and CuII with the Sterically Demanding Schiff Base Dyes Driven by Cooperative Action of Preagostic and Other Non-covalent Interactions	IUCrJ	8	351-361	2021
91	Łukasz	Skalniak	N. Kłeczek, J. Malarz, B. Gierlikowska, Ł. Skalniak, A. Galanty, A. K. Kiss, A. Stojakowska,	Germacranolides from Carpesium Divaricatum: Some New Data on Cytotoxic and Anti-inflammatory Activity	MOLECULES	26, art. nr 4644	1-13	2021
92	Kamila	Sobańska	L. Wolski, K. Sobańska, A. Walkowiak, K. Akhmetova, J. Gryboś, M. Frankowski, M. Ziolk, P. Pietrzyk,	Enhanced Adsorption and Degradation of Methylene Blue over Mixed Niobium-Cerium Oxide – Unraveling the Synergy between Nb and Ce in Advanced Oxidation Processes	JOURNAL OF HAZARDOUS MATERIALS	415, art. nr 125665	1-14	2021
93	Zbigniew	Sojka	D. Yu, Y. Ren, X. Yu, X. Fan, L. Wang, R. Wang, Z. Zhao, K. Cheng, Y. Chen, Z. Sojka, A. Kotarba, Y. Wei, J. Liu, X. Yu, Y. Ren, D. Yu, M. Chen, L. Wang, R. Wang, X. Fan, Z. Zhao, K. Cheng, Y. Chen, J. Gryboś, A. Kotarba, Z. Sojka, Y. Wei, J. Liu, J. Gryboś, M. Fedyna, P. Legutko, B. Leszczyński, J. Janas, A. Wach, J. Szlachetko, X. Yu, A. Kotarba, Z. Zhao, Z. Sojka,	Facile Synthesis of Birnessite-type K2Mn4O8 and Cryptomelane-type K2-xMn8O16 Catalysts and Their Excellent Catalytic Performance for Soot Combustion with High Resistance to H2O and SO2	APPLIED CATALYSIS B-ENVIRONMENTAL	285, art. nr 119779	1-14	2021
				Hierarchical Porous K-OMS-2/3DOM-m TiO7SiO3O2 Catalysts for Soot Combustion: Easy Preparation, High Catalytic Activity, and Good Resistance to H2O and SO2	ACS Catalysis	11	5554-5571	2021
				Mechanistic Insights into Oxygen Dynamics in Soot Combustion over Cryptomelane Catalysts in Tight and Loose Contact Modes via 18O2/16O2 Isotopic Variable Composition Measurements – A Hot Ring Model of the Catalyst Operation	ACS Catalysis	11	9530-9546	2021
94	Monika	Srebro-Hooper	A. Macé, K. Hamrouni, E. S. Gauthier, M. Jean, N. Vanthuyne, L. Frédéric, G. Pieters, E. Caytan, T. Roisnel, F. Aloui, M. Srebro-Hooper, B. Carboni, F. Berrée, J. Crassous,	Circularly Polarized Fluorescent Helicene-Boranils: Synthesis, Photophysical and Chiroptical Properties	CHEMISTRY-A EUROPEAN JOURNAL	27	7959-7967	2021
95	Paweł	Stelmachowski	L. Holmlid, A. Kotarba, P. Stelmachowski, P. Stelmachowski, J. Duch, D. Sebastián, M. J. Lázaro, A. Kotarba,	Production of Ultra-dense Hydrogen H(0): A Novel Nuclear Fuel	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	46	18466-18480	2021
				Carbon-Based Composites As Electrocatalysts for Oxygen Evolution Reaction in Alkaline Media	Materials	14, art. nr 4984	1-44	2021
96	Grażyna	Stochel	D. Porębska, Ł. Orzeł, D. Rutkowska-Żbik, G. Stochel, R. van Eldik, U. K. Komarnicka, B. Pucelik, D. Wojtala, M. K. Lesiów, G. Stochel, A. Kyzioł,	Ligand-Tuning of the Stability of Pd(II) Conjugates with Cyanocobalamin	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	22, art. nr 7973	1-16	2021
97	Grzegorz	Sulka	D. Rajską, A. Brzózka, M. Marciszko-Wiąckowska, M. Marzec, D. Chlebda, K. Hnida-Gut, G. Sulka, A. Brudzisz, A. Brzózka, G. Sulka,	Optimization of Synthesis Conditions of Thin Te-doped InSb Films and First Principles Studies of Their Physicochemical Properties	APPLIED SURFACE SCIENCE	537, art. nr 147715	1-11	2021
				Effect of the Supporting Electrolyte on Chloroform Reduction at a Silver Electrode in Aqueous Solutions	MOLECULES	26, art. nr 525	1-11	2021
98	Ewa	Surmiak	D. Muszak, E. Surmiak, J. Plewka, K. Magiera-Mularz, J. Kocik-Król, B. Musielak, D. Sala, R. Kiteł, M. Stec, K. Węglarczyk, M. Siedlar, A. Dömling, Ł. Skalniak, T. Holak, R. Butera, M. Ważyńska, K. Magiera-Mularz, J. Plewka, B. Musielak, E. Surmiak, D. Sala, R. Kiteł, M. De Bruyn, H. W. Nijman, P. H. Elsinga, T. Holak, A. Dömling, E. Surmiak, K. Magiera-Mularz, B. Musielak, D. Muszak, J. Kocik-Król, R. Kiteł, J. Plewka, T. Holak, Ł. Skalniak,	Terphenyl-Based Small-Molecule Inhibitors of Programmed Cell Death-1/Programmed Death-Ligand 1 Protein-Protein Interaction	JOURNAL OF MEDICINAL CHEMISTRY	64	11614-11636	2021
				Design, Synthesis, and Biological Evaluation of Imidazopyridines as PD-1/PD-L1 Antagonists	ACS Medicinal Chemistry Letters	12	768-773	2021
				PD-L1 Inhibitors: Different Classes, Activities, and Mechanisms of Action	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	22, art. nr 11797	1-13	2021
99	Karolina	Syrek	M. Sołtys-Mróz, K. Syrek, E. Wiercigroch, K. Małek, K. Rokosz, S. Raaen, G. Sulka,	Enhanced Visible Light Photoelectrochemical Water Splitting Using Nanotubular FeOx-TiO2 Annealed at Different Temperatures	JOURNAL OF POWER SOURCES	507, art. nr 230274	1-12	2021
100	Dariusz	Szczepanik	W. Zeng, O. El Bakouri, D. Szczepanik, H. Bronstein, H. Ottosson,	Excited State Character of Cibalackrot-type Compounds Interpreted in Terms of Hückel-aromaticity: A Rationale for Singlet Fission Chromophore Design	Chemical Science	12	6159-6171	2021
101	Krzysztof	Szczubińska	J. Świętoń, J. Miklosz, S. Yusa, K. Szczubińska, D. Pawlak, A. Mogielnicki, B. Kałaska,	Reversal Activity and Toxicity of Heparin-Binding Copolymer After Subcutaneous Administration of Enoxaparin in Mice	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	22, art. nr 11149	1-15	2021
102	Janusz	Szkłarzewicz	A. Jurowska, M. Hodorowicz, K. Kruczała, J. Szkłarzewicz, P. Paciurek, J. Szkłarzewicz, B. Trzewik, D. Cież, W. Nitek, M. Hodorowicz, A. Jurowska,	Anion–cation Interactions in a Series of Salts with Substituted Hphen, Hbpy and H2bpy Cations and [W(CN)8]4– Anion: Polymer with “Super-short” N–H N Hydrogen Bridges Containing Exclusively Anions and H+	DALTON TRANSACTIONS	50	17981-17987	2021
				A Vanadium-catalyzed Synthesis of Fully Substituted Pyrroles	JOURNAL OF ORGANIC CHEMISTRY	86	1649-1658	2021
103	Elżbieta	Szostak	E. Szostak, P. Duda, A. Duda, N. Górska, A. Fenicki, P. Molski,	Characteristics of Plastic Waste Processing in the Modern Recycling Plant Operating in Poland	Energies	14, art. nr 35	1-17	2021

104	Michał	Świątosławski	M. Kubicka, M. Bakerska, K. Chudzik, M. Świątosławski, M. Molenda,	Nitrogen-Doped Carbon Aerogels Derived from Starch Biomass with Improved Electrochemical Properties for Li-Ion Batteries	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	22, art. nr 9918	1-14	2021
105	Karolina	Tarach	K. Tarach, M. Jabłońska, K. Pyra, M. Liebau, B. Reiprich, R. Glaser, K. Góra-Marek,	Effect of Zeolite Topology on NH ₃ -SCR Activity and Stability of Cu-exchanged Zeolites	APPLIED CATALYSIS B-ENVIRONMENTAL	284, art. nr 119752	1-16	2021
			W. Chen, G. Li, X. Yi, S. J. Day, K. Tarach, Z. Liu, S. Liu, S. C. Edman Tsang, K. Góra-Marek, A. Zheng,	Molecular Understanding of the Catalytic Consequence of Ketene Intermediates Under Confinement	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	143	15440-154	2021
106	Anna	Telk	A. Sieprawska, M. Skórka, E. Bednarska-Kozakiewicz, K. Niedojadło, A. Janiak, A. Telk, M. Filek,	Significance of Selenium Supplementation in Root- Shoot Reactions Under Manganese Stress in Wheat Seedlings – Biochemical and Cytological Studies	PLANT AND SOIL	468	389-410	2021
107	Aleksandra	Wajda	P. Goj, A. Wajda, A. Błachowski, P. Stoch,	A New Iron-phosphate Compound (Fe ₇ P ₁₁ O ₃₈) Obtained by Pyrophosphate Stoichiometric Glass Devitrification	Scientific Reports	11, art. nr 22957	1-12	2021
108	Aleksandra	Weselucha-Birczyńska	M. Dumańska-Słowik, B. Naglik, T. Tobała, T. Powolny, M. Huber, S. Milowska, N. Dobosz, K. Guzik, A. Weselucha-Birczyńska,	Origin and Occurrence of Gem-quality, Skarn-hosted Barite from Jebel Ouichane Near Nador in Morocco	Scientific Reports	11, art. nr 10307	1-16	2021
109	Marcin	Wieczorek	P. Kościelniak, P. Nowak, J. Kozak, M. Wieczorek,	Comprehensive Assessment of Flow and Other Analytical Methods Dedicated to the Determination of Zinc in Water	MOLECULES	26, art. nr 3914	1-11	2021
			J. Paluch, J. Kozak, K. Mermer, I. Mołgda, M. Wieczorek, S. Kalinowski, P. Kościelniak,	Novel Integrated Flow-Based Steam Distillation and Titration System for Determination of Volatile Acidity in Wines	MOLECULES	26, art. nr 7673	1-13	2021
110	Renata	Wietecha-Postuszny	M. Świądro, P. Stelmaszczyk, I. Lenart, R. Wietecha-Postuszny,	The Double Face of Ketamine - the Possibility of Its Identification in Blood and Beverages	MOLECULES	26, art. nr 813	1-10	2021
111	Karol	Wolski	K. Chojnacka-Górka, K. Wolski, S. Zapotoczny,	Durable Polyelectrolyte Microcapsules with Near-Infrared-Triggered Loading and Nondestructive Release of Cargo	ACS Applied Materials & Interfaces	13	1562-1572	2021
			M. Szuwarzyński, K. Wolski, T. Kruk, S. Zapotoczny,	Macromolecular Strategies for Transporting Electrons and Excitation Energy in Ordered Polymer Layers	PROGRESS IN POLYMER SCIENCE	121, art. nr 101433	1-41	2021
112	Michał	Woźniakiewicz	B. Czopik, M. Ciechomska, J. Zarzecka, M. Góra, M. Woźniakiewicz,	Insight into the Reaction of Alexidine with Sodium Hypochlorite: A Potential Error in Endodontic Treatment	MOLECULES	26, art. nr 1623	1-10	2021
113	Aneta	Woźniakiewicz	O. Kaczmarczyk, A. Dąbek-Drobny, M. Woźniakiewicz, P. Paśko, J. Dobrowolska-Iwanek, A. Woźniakiewicz, A. Piątek-Guziewicz, P. Zagrodzki, T. Mach, M. Zwolińska-Wcisło,	Fecal Levels of Lactic, Succinic and Short-Chain Fatty Acids in Patients with Ulcerative Colitis and Crohn Disease: A Pilot Study	JOURNAL OF CLINICAL MEDICINE	10, art. nr 4701	1-12	2021
114	Szczepan	Zapotoczny	K. Chojnacka-Górka, K. Wolski, S. Zapotoczny,	Durable Polyelectrolyte Microcapsules with Near-Infrared-Triggered Loading and Nondestructive Release of Cargo	ACS Applied Materials & Interfaces	13	1562-1572	2021
			M. Szuwarzyński, K. Wolski, T. Kruk, S. Zapotoczny,	Macromolecular Strategies for Transporting Electrons and Excitation Energy in Ordered Polymer Layers	PROGRESS IN POLYMER SCIENCE	121, art. nr 101433	1-41	2021
115	Leszek	Zaraska	M. Gurgul, M. Kozieł, L. Zaraska,	Tuning the Photoelectrochemical Properties of Narrow Band Gap Nanoporous Anodic SnO _x Films by Simple Soaking in Water	Materials	14, art. nr 1777	1-8	2021
116	Filip	Zasada	G. Grzybek, J. Gryboś, P. Indyka, J. Janas, K. Ciura, B. Leszczyński, F. Zasada, A. Kotarba, Z. Sojka,	Evaluation of the Inhibiting Effect of H ₂ O, O ₂ , and NO on the Performance of Laboratory and Pilot K-ZnxCo _{3-x} O ₄ Catalysts Supported on α-Al ₂ O ₃ for Low-temperature N ₂ O Decomposition	APPLIED CATALYSIS B-ENVIRONMENTAL	297, art. nr 120435	1-10	2021
			B. Mozgawa, F. Zasada, M. Fedyna, K. Góra-Marek, E. Tabor, K. Mlekodaj, J. Dědeček, Z. Zhao, P. Pietrzyk, Z. Sojka,	Analysis of NH ₃ -TPD Profiles for CuSSZ-13 SCR Catalyst of Controlled Al Distribution – Complexity Resolved by First Principles Thermodynamics of NH ₃ Desorption, IR and EPR Insight into Cu Speciation	CHEMISTRY-A EUROPEAN JOURNAL	27	17159-17180	2021