

MaÅ,gorzata Zimowska

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	The influence of lingonberry extract on the properties of novel, double-layered biopolymer films based on furcellaran, CMC and a gelatin hydrolysate. <i>Food Hydrocolloids</i> , 2022, 124, 107334.	10.7	33
2	Improvement of La _{0.8} Sr _{0.2} MnO ₃ Cathode Material for Solid Oxide Fuel Cells by Addition of YFe _{0.5} Co _{0.5} O ₃ . <i>Materials</i> , 2022, 15, 642.	2.9	7
3	Double substituted NdBa(Fe,Co,Cu)2O ₅ + δ layered perovskites as cathode materials for intermediate-temperature solid oxide fuel cells – correlation between structure and electrochemical properties. <i>Electrochimica Acta</i> , 2022, 411, 140062.	5.2	7
4	Utilisation of soybean post-production waste in single- and double-layered films based on furcellaran to obtain packaging materials for food products prone to oxidation. <i>Food Chemistry</i> , 2022, 387, 132883.	8.2	13
5	Characterization of Furcellaran-Whey Protein Isolate Films with Green Tea or Pu-erh Extracts and Their Application as Packaging of an Acid-Curd Cheese. <i>Food and Bioprocess Technology</i> , 2021, 14, 78-92.	4.7	18
6	On the Role of Protonic Acid Sites in Cu Loaded FAU31 Zeolite as a Catalyst for the Catalytic Transformation of Furfural to Furan. <i>Molecules</i> , 2021, 26, 2015.	3.8	2
7	Anodic Electrodeposition of Chitosan-AgNP Composites Using In Situ Coordination with Copper Ions. <i>Materials</i> , 2021, 14, 2754.	2.9	8
8	Structural and electrochemical characterization of YBa(Fe,Co,Cu)2O ₅ + δ layered perovskites as cathode materials for solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 16977-16988.	7.1	13
9	Structural changes in smectites subjected to mechanochemical activation: The effect of the occupancy of the octahedral sites. <i>Applied Clay Science</i> , 2021, 213, 106214.	5.2	6
10	Aluminum Doped Titania as a Support of Copper Catalysts for SCR of Nitrogen Oxides. <i>Materials</i> , 2021, 14, 6021.	2.9	1
11	Active Double-Layered Films Enriched with AgNPs in Great Water Dock Root and Pu-Erh Extracts. <i>Materials</i> , 2021, 14, 6925.	2.9	11
12	Sonically modified hierarchical FAU-type zeolites as active catalysts for the production of furan from furfural. <i>Ultrasonics Sonochemistry</i> , 2020, 60, 104785.	8.2	6
13	Hydrogen production over Fe enriched porous clay-based nanocomposites and mesoporous silica in bio-ethanol reforming – The role of the clay component. <i>Applied Clay Science</i> , 2020, 198, 105801.	5.2	5
14	Physicochemical and Biological Characterisation of Diclofenac Oligomeric Poly(3-hydroxyoctanoate) Hybrids as β -TCP Ceramics Modifiers for Bone Tissue Regeneration. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9452.	4.1	11
15	Furcellaran nanocomposite films: The effect of nanofillers on the structural, thermal, mechanical and antimicrobial properties of biopolymer films. <i>Carbohydrate Polymers</i> , 2020, 240, 116244.	10.2	47
16	A Precursor Approach for the Development of Lace-like Fe ₂ O ₃ Nanocrystallites Triggered by Pressure Dependent Nucleation and Growth of Akaganeite over Clay Based Composites for Toluene Combustion. <i>Journal of Physical Chemistry C</i> , 2019, 123, 26236-26250.	3.1	9
17	Novel bioresorbable tricalcium phosphate/polyhydroxyoctanoate (TCP/PHO) composites as scaffolds for bone tissue engineering applications. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 98, 235-245.	3.1	20
18	Solvent and substituent effects in hydrogenation of aromatic ketones over Ru/polymer catalyst under very mild conditions. <i>Molecular Catalysis</i> , 2019, 470, 145-151.	2.0	12

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19	PDDA-Montmorillonite Composites Loaded with Ru Nanoparticles: Synthesis, Characterization, and Catalytic Properties in Hydrogenation of 2-Butanone. <i>Polymers</i> , 2018, 10, 865.	4.5	4
20	Physicochemical and electrochemical properties of the carbon materials containing nitrogen and cobalt derived from acetonitrile and Co-Al layered double hydroxides. <i>Journal of Materials Science</i> , 2018, 53, 11292-11314.	3.7	9
21	Water thermoporosimetry as a tool of characterization of the textural parameters of mesoporous materials. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 127, 207-220.	3.6	19
22	Thermal stability of tetrabutyl-phosphonium and -ammonium exchanged montmorillonite: Influence of acid treatment. <i>Applied Clay Science</i> , 2017, 138, 63-73.	5.2	16
23	New approach for determining cartilage pore size distribution: NaCl-thermoporometry. <i>Microporous and Mesoporous Materials</i> , 2017, 241, 238-245.	4.4	23
24	Homogeneous gold nanoparticle monolayers-QCM and electrokinetic characteristics. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 514, 226-235.	4.7	22
25	Structural rearrangements in Fe-porous clay heterostructures composites derived from Laponite $\hat{\text{A}}^{\text{®}}$ Influence of preparation methods and Fe source. <i>Microporous and Mesoporous Materials</i> , 2016, 231, 66-81.	4.4	15
26	A comparative study of direct versus post-synthesis alumination of mesoporous FSM-16 silica. <i>Materials Research Bulletin</i> , 2016, 83, 623-631.	5.2	13
27	Nitrogen-doped carbon materials derived from acetonitrile and Mg-Co-Al layered double hydroxides as electrocatalysts for oxygen reduction reaction. <i>Electrochimica Acta</i> , 2016, 212, 47-58.	5.2	13
28	Porosity of SBA-15 after functionalization of the surface with aminosilanes. <i>Microporous and Mesoporous Materials</i> , 2016, 234, 98-106.	4.4	16
29	The continuous conversion of ethanol and water mixtures into hydrogen over $\text{Fe}_x\text{O}_y/\text{MoO}_3$ catalytic system-XPS and M $\ddot{\text{u}}$ ssbauer studies. <i>Journal of Molecular Catalysis A</i> , 2016, 423, 92-104.	4.8	25
30	Alteration of the structure and surface composition of crystalline-amorphous porous clay heterostructures upon iron doping from metal-organic source. <i>Surface and Interface Analysis</i> , 2016, 48, 527-531.	1.8	5
31	Thermoporosimetry of n-alkanes for characterization of mesoporous SBA-15 silicas Towards deeper understanding the effect of the probe liquid nature. <i>Microporous and Mesoporous Materials</i> , 2016, 226, 25-33.	4.4	10
32	Thermoporosimetry of n-alkanes for characterization of mesoporous SBA-15 silicas Refinement of methodology. <i>Microporous and Mesoporous Materials</i> , 2016, 222, 33-43.	4.4	13
33	Porosity characterization of SBA-15 silicas with thermoporosimetry of water and n-alkanes The effect of the probe liquid nature. <i>Microporous and Mesoporous Materials</i> , 2015, 201, 141-150.	4.4	10
34	Cu/Mn-based mixed oxides derived from hydrotalcite-like precursors as catalysts for methane combustion. <i>Applied Catalysis A: General</i> , 2014, 474, 87-94.	4.3	36
35	Composite cathode materials $\text{Ag-Ba}_{0.5}\text{Sr}_{0.5}\text{Co}_{0.8}\text{Fe}_{0.2}\text{O}_3$ for solid oxide fuel cells. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 3011-3021.	2.5	17
36	The morphology and optical properties of silicon etched with bimetallic catalysts. <i>Elektronika</i> , 2014, 1, 68-70.	0.0	0

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37	Laponite-derived porous clay heterostructures: III. The effect of alumination. <i>Microporous and Mesoporous Materials</i> , 2013, 175, 67-75.	4.4	33
38	Preparation and characterization of mesoporous Cs ₂ HPW ₁₂ O ₄₀ salt, active in transformation of m-xylene. <i>Applied Catalysis A: General</i> , 2013, 450, 19-27.	4.3	6
39	Application of as-synthesized Co-Al layered double hydroxides for the preparation of the electroactive composites containing N-doped carbon nanotubes. <i>Applied Clay Science</i> , 2013, 72, 163-174.	5.2	19
40	Ordered mesoporous Ga ₂ O ₃ and Ga ₂ O ₃ -Al ₂ O ₃ prepared by nanocasting as effective catalysts for propane dehydrogenation in the presence of CO ₂ . <i>Catalysis Communications</i> , 2013, 35, 95-100.	3.3	55
41	Composite Ag-La _{0.8} Sr _{0.2} MnO ₃ -f Cathode for Solid Oxide Fuel Cells. <i>Archives of Metallurgy and Materials</i> , 2013, 58, 1337-1340.	0.6	4
42	Ecofriendly production of ethylene by dehydration of ethanol over Ag ₃ PW ₁₂ O ₄₀ salt in nitrogen and air atmospheres. <i>Applied Catalysis B: Environmental</i> , 2012, 123-124, 448-456.	20.2	34
43	The Influence of Base Metal (M) Oxidation State in Au-M-O/TiO ₂ Systems on Their Catalytic Activity in Carbon Monoxide Oxidation. <i>Catalysts</i> , 2012, 2, 38-55.	3.5	6
44	Nanospace constraints in mesoporous silica carriers – A factor of critical importance in promoting the catalytic activity of supported ruthenium (II) complex with hemilabile phosphine ligand. <i>Applied Catalysis A: General</i> , 2012, 427-428, 16-23.	4.3	1
45	The influence of surface composition of Ag ₃ PW ₁₂ O ₄₀ and Ag ₃ PMo ₁₂ O ₄₀ salts on their catalytic activity in dehydration of ethanol. <i>Journal of Molecular Catalysis A</i> , 2011, 351, 1-10.	4.8	40
46	Influence of silver nitrate concentration on the properties of silver nanoparticles. <i>Micro and Nano Letters</i> , 2011, 6, 656.	1.3	64
47	Alterations of the surface and morphology of tetraalkyl-ammonium modified montmorillonites upon acid treatment. <i>Journal of Colloid and Interface Science</i> , 2011, 363, 213-222.	9.4	25
48	Laponite-derived porous clay heterostructures: II. FTIR study of the structure evolution. <i>Microporous and Mesoporous Materials</i> , 2010, 127, 237-244.	4.4	83
49	Laponite-derived porous clay heterostructures: I. Synthesis and physicochemical characterization. <i>Microporous and Mesoporous Materials</i> , 2010, 127, 228-236.	4.4	58
50	Silver nanowires as a result of irradiation or hydrogen reduction of Ag ₃ PW ₁₂ O ₄₀ salt. <i>Surface and Interface Analysis</i> , 2010, 42, 757-761.	1.8	8
51	Microporosity in Mesoporous SBA-15 Supports: A Factor Influencing the Catalytic Performance of Immobilized Metalloporphyrin. <i>Topics in Catalysis</i> , 2009, 52, 1098-1104.	2.8	6
52	Layered Sodium Disilicates as Precursors of Mesoporous Silicas. Part II: Hydration of Na ₂ Si ₂ O ₅ and Na ₂ Si ₂ O ₅ . <i>Mineralogia</i> , 2007, 38, 161-170.	0.8	1
53	Layered Sodium Disilicates as Precursors of Mesoporous Silicas. Part I: Optimisation of the Synthesis Procedure of Na ₂ Si ₂ O ₅ and Na ₂ Si ₂ O ₅ . <i>Mineralogia</i> , 2007, 38, 151-160.	0.8	1
54	Catalytic combustion of toluene over mixed Cu-Mn oxides. <i>Catalysis Today</i> , 2007, 119, 321-326.	4.4	92

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55	Catalytic oxidation of cyclohexene over metalloporphyrin supported on mesoporous molecular sieves of FSM-16 type—Steric effects induced by nanospace constraints. <i>Catalysis Today</i> , 2007, 124, 55-60.	4.4	26
56	Some aspects of metal-support strong interactions in Rh/Al ₂ O ₃ catalyst under oxidising and reducing conditions. <i>Chemical Physics Letters</i> , 2006, 417, 137-142.	2.6	45
57	Role of Al segregation and high affinity to oxygen in formation of adhesive alumina layers on FeCr alloy support. <i>Catalysis Today</i> , 2005, 105, 629-633.	4.4	29