MaÅ‚gorzata Zimowska

List of Publications by Year
in descending order

57 papers	1,131 citations	394421 19 h-index	434195 31 g-index
59 all docs	59 docs citations	59 times ranked	1533 citing authors

#	Article	IF	Citations
1	Catalytic combustion of toluene over mixed Cuâ€“Mn oxides. Catalysis Today, 2007, 119, 321-326.	4.4	92
2	Laponite-derived porous clay heterostructures: II. FTIR study of the structure evolution. Microporous and Mesoporous Materials, 2010, 127, 237-244.	4.4	83
3	Influence of silver nitrate concentration on the properties of silver nanoparticles. Micro and Nano Letters, 2011, 6, 656.	1.3	64
4	Laponite-derived porous clay heterostructures: I. Synthesis and physicochemical characterization. Microporous and Mesoporous Materials, 2010, 127, 228-236.	4.4	58
5	Ordered mesoporous Ga2O3 and Ga2O3â€“Al2O3 prepared by nanocasting as effective catalysts for propane dehydrogenation in the presence of CO2. Catalysis Communications, 2013, 35, 95-100.	3.3	55
6	Furcellaran nanocomposite films: The effect of nanofillers on the structural, thermal, mechanical and antimicrobial properties of biopolymer films. Carbohydrate Polymers, 2020, 240, 116244.	10.2	47
7	Some aspects of metal-support strong interactions in Rh/Al2O3 catalyst under oxidising and reducing conditions. Chemical Physics Letters, 2006, 417, 137-142.	2.6	45
8	The influence of surface composition of Ag3PW12O40 and Ag3PMo12O40 salts on their catalytic activity in dehydration of ethanol. Journal of Molecular Catalysis A, 2011, 351, 1-10.	4.8	40
9	Cu/Mn-based mixed oxides derived from hydrotalcite-like precursors as catalysts for methane combustion. Applied Catalysis A: General, 2014, 474, 87-94.	4.3	36
10	Ecofriendly production of ethylene by dehydration of ethanol over Ag3PW12O40 salt in nitrogen and air atmospheres. Applied Catalysis B: Environmental, 2012, 123-124, 448-456.	20.2	34
11	Laponite-derived porous clay heterostructures: III. The effect of alumination. Microporous and Mesoporous Materials, 2013, 175, 67-75.	4.4	33
12	The influence of lingonberry extract on the properties of novel, double-layered biopolymer films based on furcellaran, CMC and a gelatin hydrolysate. Food Hydrocolloids, 2022, 124, 107334.	10.7	33
13	Role of Al segregation and high affinity to oxygen in formation of adhesive alumina layers on FeCr alloy support. Catalysis Today, 2005, 105, 629-633.	4.4	29
14	Catalytic oxidation of cyclohexene over metalloporphyrin supported on mesoporous molecular sieves of FSM-16 typeâ€”Steric effects induced by nanospace constraints. Catalysis Today, 2007, 124, 55-60.	4.4	26
15	Alterations of the surface and morphology of tetraalkyl-ammonium modified montmorillonites upon acid treatment. Journal of Colloid and Interface Science, 2011, 363, 213-222.	9.4	25
16	The continuous conversion of ethanol and water mixtures into hydrogen over FexOy/MoO3 catalytic systemâ€”XPS and MÃ¶ssbauer studies. Journal of Molecular Catalysis A, 2016, 423, 92-104.	4.8	25
17	New approach for determining cartilage pore size distribution: NaCl-thermoporometry. Microporous and Mesoporous Materials, 2017, 241, 238-245.	4.4	23
18	Homogeneous gold nanoparticle monolayersâ€”QCM and electrokinetic characteristics. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 514, 226-235.	4.7	22

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19	Novel bioresorbable tricalcium phosphate/polyhydroxyoctanoate (TCP/PHO) composites as scaffolds for bone tissue engineering applications. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 98, 235-245.	3.1	20
20	Application of as-synthesized Coâ€“Al layered double hydroxides for the preparation of the electroactive composites containing N-doped carbon nanotubes. Applied Clay Science, 2013, 72, 163-174.	5.2	19
21	Water thermoporosimetry as a tool of characterization of the textural parameters of mesoporous materials. Journal of Thermal Analysis and Calorimetry, 2017, 127, 207-220.	3.6	19
22	Characterization of Furcellaran-Whey Protein Isolate Films with Green Tea or Pu-erh Extracts and Their Application as Packaging of an Acid-Curd Cheese. Food and Bioprocess Technology, 2021, 14, 78-92.	4.7	18
23	Composite cathode materials Ag-Ba0.5Sr0.5Co0.8Fe0.2O3 for solid oxide fuel cells. Journal of Solid State Electrochemistry, 2014, 18, 3011-3021.	2.5	17
24	Porosity of SBA-15 after functionalization of the surface with aminosilanes. Microporous and Mesoporous Materials, 2016, 234, 98-106.	4.4	16
25	Thermal stability of tetrabutyl-phosphonium and -ammonium exchanged montmorillonite: Influence of acid treatment. Applied Clay Science, 2017, 138, 63-73.	5.2	16
26	Structural rearrangements in Fe-porous clay heterostructures composites derived from Laponite Â® â€“ Influence of preparation methods and Fe source. Microporous and Mesoporous Materials, 2016, 231, 66-81.	4.4	15
27	A comparative study of direct versus post-synthesis alumination of mesoporous FSM-16 silica. Materials Research Bulletin, 2016, 83, 623-631.	5.2	13
28	Nitrogen-doped carbon materials derived from acetonitrile and Mg-Co-Al layered double hydroxides as electrocatalysts for oxygen reduction reaction. Electrochimica Acta, 2016, 212, 47-58.	5.2	13
29	Thermoporosimetry of n-alkanes for characterization of mesoporous SBA-15 silicas â€“ Refinement of methodology. Microporous and Mesoporous Materials, 2016, 222, 33-43.	4.4	13
30	Structural and electrochemical characterization of YBa(Fe,Co,Cu)2O5+Î´ layered perovskites as cathode materials for solid oxide fuel cells. International Journal of Hydrogen Energy, 2021, 46, 16977-16988.	7.1	13
31	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. Food Chemistry, 2022, 387, 132883.	8.2	13
32	Solvent and substituent effects in hydrogenation of aromatic ketones over Ru/polymer catalyst under very mild conditions. Molecular Catalysis, 2019, 470, 145-151.	2.0	12
33	Physicochemical and Biological Characterisation of Diclofenac Oligomeric Poly(3-hydroxyoctanoate) Hybrids as Î²-TCP Ceramics Modifiers for Bone Tissue Regeneration. International Journal of Molecular Sciences, 2020, 21, 9452.	4.1	11
34	Active Double-Layered Films Enriched with AgNPs in Great Water Dock Root and Pu-Erh Extracts. Materials, 2021, 14, 6925.	2.9	11
35	Porosity characterization of SBA-15 silicas with thermoporosimetry of water and n-alkanes â€“ The effect of the probe liquid nature. Microporous and Mesoporous Materials, 2015, 201, 141-150.	4.4	10
36	Thermoporosimetry of n-alkanes for characterization of mesoporous SBA-15 silicas â€“ Towards deeper understanding the effect of the probe liquid nature. Microporous and Mesoporous Materials, 2016, 226, 25-33.	4.4	10

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37	Physicochemical and electrochemical properties of the carbon materials containing nitrogen and cobalt derived from acetonitrile and Coâ€“Al layered double hydroxides. Journal of Materials Science, 2018, 53, 11292-11314.	3.7	9
38	A Precursor Approach for the Development of Lace-like Fe₂O₃ Nanocrystallites Triggered by Pressure Dependent Nucleation and Growth of Akaganeite over Clay Based Composites for Toluene Combustion. Journal of Physical Chemistry C, 2019, 123, 26236-26250.	3.1	9
39	Silver nanowires as a result of irradiation or hydrogen reduction of Ag3 PW12 O40 salt. Surface and Interface Analysis, 2010, 42, 757-761.	1.8	8
40	Anodic Electrodeposition of Chitosanâ€“AgNP Composites Using In Situ Coordination with Copper Ions. Materials, 2021, 14, 2754.	2.9	8
41	Improvement of La0.8Sr0.2MnO3â^Î´ Cathode Material for Solid Oxide Fuel Cells by Addition of YFe0.5Co0.5O3. Materials, 2022, 15, 642.	2.9	7
42	Double substituted NdBa(Fe,Co,Cu)2O5+Î´ layered perovskites as cathode materials for intermediate-temperature solid oxide fuel cells â€“ correlation between structure and electrochemical properties. Electrochimica Acta, 2022, 411, 140062.	5.2	7
43	Microporosity in Mesoporous SBA-15 Supports: A Factor Influencing the Catalytic Performance of Immobilized Metalloporphyrin. Topics in Catalysis, 2009, 52, 1098-1104.	2.8	6
44	The Influence of Base Metal (M) Oxidation State in Au-M-O/TiO2 Systems on Their Catalytic Activity in Carbon Monoxide Oxidation. Catalysts, 2012, 2, 38-55.	3.5	6
45	Preparation and characterization of mesoporous Cs2HPW12O40 salt, active in transformation of m-xylene. Applied Catalysis A: General, 2013, 450, 19-27.	4.3	6
46	Sonically modified hierarchical FAU-type zeolites as active catalysts for the production of furan from furfural. Ultrasonics Sonochemistry, 2020, 60, 104785.	8.2	6
47	Structural changes in smectites subjected to mechanochemical activation: The effect of the occupancy of the octahedral sites. Applied Clay Science, 2021, 213, 106214.	5.2	6
48	Alteration of the structure and surface composition of crystalline-amorphous porous clay heterostructures upon iron doping from metal-organic source. Surface and Interface Analysis, 2016, 48, 527-531.	1.8	5
49	Hydrogen production over Fe enriched porous clay-based nanocomposites and mesoporous silica in bio-ethanol reforming â€“ The role of the clay component. Applied Clay Science, 2020, 198, 105801.	5.2	5
50	Composite Ag-La0.8Sr0.2MnO3-Ïƒ Cathode for Solid Oxide Fuel Cells. Archives of Metallurgy and Materials, 2013, 58, 1337-1340.	0.6	4
51	PDDA-Montmorillonite Composites Loaded with Ru Nanoparticles: Synthesis, Characterization, and Catalytic Properties in Hydrogenation of 2-Butanone. Polymers, 2018, 10, 865.	4.5	4
52	On the Role of Protonic Acid Sites in Cu Loaded FAU31 Zeolite as a Catalyst for the Catalytic Transformation of Furfural to Furan. Molecules, 2021, 26, 2015.	3.8	2
53	Layered Sodium Disilicates as Precursors of Mesoporous Silicas. Part II: Hydration of Î´-Na2Si2O5 and Î±-Na2Si2O5. Mineralogia, 2007, 38, 161-170.	0.8	1
54	Layered Sodium Disilicates as Precursors of Mesoporous Silicas. Part I: Optimisation of the Synthesis Procedure of Î´-Na2Si2O5 and Î±-Na2Si2O5. Mineralogia, 2007, 38, 151-160.	0.8	1

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55	Nanospace constraints in mesoporous silica carriersâ€"A factor of critical importance in promoting the catalytic activity of supported ruthenium (II) complex with hemilabile phosphine ligand. Applied Catalysis A: General, 2012, 427-428, 16-23.	4.3	1
56	Aluminum Doped Titania as a Support of Copper Catalysts for SCR of Nitrogen Oxides. Materials, 2021, 14, 6021.	2.9	1
57	The morphology and optical properties of silicon etched with bimetallic catalysts. Elektronika, 2014, 1, 68-70.	0.0	0