Anna RokiciÅ„ska

List of Publications by Year
in descending order

44 papers	946 citations	430442 18 h-index	476904 29 g-index
50 all docs	50 docs citations	50 times ranked	1154 citing authors

#	Article	IF	Citations
1	Role of the Cu content and Ce activating effect on catalytic performance of Cu-Mg-Al and Ce/Cu-Mg-Al oxides in ammonia selective catalytic oxidation. Applied Surface Science, 2022, 573, 151540.	3.1	10
2	Lignin-Supported Heterogeneous Photocatalyst for the Direct Generation of H₂O₂ from Seawater. Journal of the American Chemical Society, 2022, 144, 2603-2613.	6.6	80
3	Reaction pathways on N-substituted carbon catalysts during the electrochemical reduction of nitrate to ammonia. Catalysis Science and Technology, 2022, 12, 3582-3593.	2.1	6
4	Combustion of toluene over cobalt-modified MFI zeolite dispersed on monolith produced using 3D printing technique. Catalysis Today, 2021, 375, 369-376.	2.2	13
5	Sensibilization of p-NiO with ZnSe/CdS and CdS/ZnSe quantum dots for photoelectrochemical water reduction. Nanoscale, 2021, 13, 869-877.	2.8	8
6	Graphitic nitrogen in carbon catalysts is important for the reduction of nitrite as revealed by naturally abundant¹⁵N NMR spectroscopy. Dalton Transactions, 2021, 50, 6857-6866.	1.6	8
7	Combining Electrocatalysts and Biobased Adsorbents for Sustainable Denitrification. ACS Sustainable Chemistry and Engineering, 2021, 9, 3658-3667.	3.2	9
8	Tailoring Properties of Resol Resin-Derived Spherical Carbons for Adsorption of Phenol from Aqueous Solution. Molecules, 2021, 26, 1736.	1.7	5
9	Impact of Mn addition on catalytic performance of Cu/SiBEA materials in total oxidation of aromatic volatile organic compounds. Applied Surface Science, 2021, 546, 149148.	3.1	12
10	CeTiO₂N oxynitride perovskite: paramagnetic ¹⁴N MAS NMR without paramagnetic shifts. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2021, 76, 275-280.	0.3	4
11	In Search of Factors Determining Activity of Co3O4 Nanoparticles Dispersed in Partially Exfoliated Montmorillonite Structure. Molecules, 2021, 26, 3288.	1.7	2
12	Design of Co3O4@SiO2 Nanorattles for Catalytic Toluene Combustion Based on Bottom-Up Strategy Involving Spherical Poly(styrene-co-acrylic Acid) Template. Catalysts, 2021, 11, 1097.	1.6	5
13	LignoPhot: Conversion of hydrolysis lignin into the photoactive hybrid lignin/Bi4O5Br2/BiOBr composite for simultaneous dyes oxidation and Co2+ and Ni2+ recycling. Chemosphere, 2021, 279, 130538.	4.2	21
14	Structural Properties of NdTiO2+xN1â€“x and Its Application as Photoanode. Inorganic Chemistry, 2021, 60, 919-929.	1.9	7
15	Selective Aerobic Oxidation of P-Methoxytoluene by Co(II)-Promoted NHPI Incorporated into Cross-Linked Copolymer Structure. Catalysts, 2021, 11, 1474.	1.6	3
16	Nanostructured coreâ€“shell metal boridesâ€“oxides as highly efficient electrocatalysts for photoelectrochemical water oxidation. Nanoscale, 2020, 12, 3121-3128.	2.8	29
17	Exploring the Origins of Improved Photocurrent by Acidic Treatment for Quaternary Tantalum-Based Oxynitride Photoanodes on the Example of CaTaO₂N. Journal of Physical Chemistry C, 2020, 124, 152-160.	1.5	28
18	Semi-transparent quaternary oxynitride photoanodes on GaN underlayers. Chemical Communications, 2020, 56, 13193-13196.	2.2	16

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19	Metathetic synthesis of lead cyanamide as a p-type semiconductor. Dalton Transactions, 2020, 49, 14061-14067.	1.6	16
20	Electrochemical Denitrification and Oxidative Dehydrogenation of Ethylbenzene over N-doped Mesoporous Carbon: Atomic Level Understanding of Catalytic Activity by ¹⁵N NMR Spectroscopy. Chemistry of Materials, 2020, 32, 7263-7273.	3.2	28
21	Tailoring the Surface Properties of Bi₂O₂NCN by in Situ Activation for Augmented Photoelectrochemical Water Oxidation on WO₃ and CuWO₄ Heterojunction Photoanodes. Inorganic Chemistry, 2020, 59, 13589-13597.	1.9	7
22	NiO/Poly(4-alkylthiazole) Hybrid Interface for Promoting Spatial Charge Separation in Photoelectrochemical Water Reduction. ACS Applied Materials & Interfaces, 2020, 12, 29173-29180.	4.0	7
23	Effect of support on the catalytic activity of Co3O4-Cs deposited on open-cell ceramic foams for N2O decomposition. Materials Research Bulletin, 2020, 129, 110892.	2.7	18
24	Increased photocurrent of CuWO₄ photoanodes by modification with the oxide carbodiimide Sn₂O(NCN). Dalton Transactions, 2020, 49, 3450-3456.	1.6	14
25	Novel CuO-containing catalysts based on ZrO2 hollow spheres for total oxidation of toluene. Microporous and Mesoporous Materials, 2019, 279, 446-455.	2.2	26
26	Quaternary Coreâ€“Shell Oxynitride Nanowire Photoanode Containing a Hole-Extraction Gradient for Photoelectrochemical Water Oxidation. ACS Applied Materials & Interfaces, 2019, 11, 19077-19086.	4.0	35
27	Study on self-assembled monolayer of functionalized thiol on gold electrode forming capacitive sensor for chromium(VI) determination. Journal of Solid State Electrochemistry, 2019, 23, 1463-1472.	1.2	12
28	Photocatalytic hydrogen production from methanol over Nd/TiO2. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 366, 55-64.	2.0	16
29	SrTaO₂N Nanowire Photoanode Modified with a Ferrihydrite Hole-Storage Layer for Photoelectrochemical Water Oxidation. ACS Applied Nano Materials, 2018, 1, 869-876.	2.4	25
30	An MnNCN-Derived Electrocatalyst for CuWO₄ Photoanodes. Langmuir, 2018, 34, 3845-3852.	1.6	36
31	Photocatalytic decomposition of methanol over La/TiO2 materials. Environmental Science and Pollution Research, 2018, 25, 34818-34825.	2.7	23
32	Augmenting the Photocurrent of CuWO4 Photoanodes by Heat Treatment in the Nitrogen Atmosphere. Journal of Physical Chemistry C, 2018, 122, 19281-19288.	1.5	32
33	Polymer Hydrogel-Clay (Nano)Composites. Gels Horizons: From Science To Smart Materials, 2018, , 1-62.	0.3	2
34	Nd/TiO2 Anatase-Brookite Photocatalysts for Photocatalytic Decomposition of Methanol. Frontiers in Chemistry, 2018, 6, 44.	1.8	19
35	Abatement of Volatile Organic Compounds Emission as a Target for Various Human Activities Including Energy Production. Advances in Inorganic Chemistry, 2018, 72, 385-419.	0.4	33
36	TiO2 Processed by pressurized hot solvents as a novel photocatalyst for photocatalytic reduction of carbon dioxide. Applied Surface Science, 2017, 391, 282-287.	3.1	36

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37	Cobalt-containing BEA zeolite for catalytic combustion of toluene. Applied Catalysis B: Environmental, 2017, 212, 59-67.	10.8	91
38	Enhanced Photoelectrochemical Water Oxidation Efficiency of CuWO₄ Photoanodes by Surface Modification with Ag₂NCN. Journal of Physical Chemistry C, 2017, 121, 26265-26274.	1.5	36
39	Enhancing Photoelectrochemical Water Oxidation Efficiency of WO₃/Î±â€Fe₂O₃ Heterojunction Photoanodes by Surface Functionalization with CoPd Nanocrystals. European Journal of Inorganic Chemistry, 2017, 2017, 4267-4274.	1.0	23
40	Type A and B gelatin as precursors of silica-templated porous carbon with a specified number of nitrogen- and oxygen-containing functionalities. Materials Express, 2017, 7, 123-133.	0.2	3
41	Co3O4-pillared montmorillonite catalysts synthesized by hydrogel-assisted route for total oxidation of toluene. Applied Catalysis B: Environmental, 2016, 195, 59-68.	10.8	93
42	Physicochemical properties of hydrogel template-synthesized copper(<scp>ii</scp>) oxide-modified clay influencing its catalytic activity in toluene combustion. RSC Advances, 2016, 6, 100373-100382.	1.7	7
43	MCM-41 modified with iron by template ion-exchange method as effective catalyst for DeNOx and NH 3 -SCO processes. Chemical Engineering Journal, 2016, 295, 167-180.	6.6	30
44	Hydrogel template-assisted synthesis of nanometric Fe 2 O 3 supported on exfoliated clay. Microporous and Mesoporous Materials, 2016, 221, 212-219.	2.2	12