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	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
2	Cobalt-containing BEA zeolite for catalytic combustion of toluene. Applied Catalysis B: Environmental, 2017, 212, 59-67.	10.8	91
3	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
4	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
5	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
6	An MnNCN-Derived Electrocatalyst for CuWO₄ Photoanodes. Langmuir, 2018, 34, 3845-3852.	1.6	36
7	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
8	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
9	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
10	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
11	Nanostructured coreâ€“shell metal boridesâ€“oxides as highly efficient electrocatalysts for photoelectrochemical water oxidation. Nanoscale, 2020, 12, 3121-3128.	2.8	29
12	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
13	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
14	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
15	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
16	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
17	Photocatalytic decomposition of methanol over La/TiO2 materials. Environmental Science and Pollution Research, 2018, 25, 34818-34825.	2.7	23
18	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

#	Article	IF	Citations
19	Nd/TiO2 Anatase-Brookite Photocatalysts for Photocatalytic Decomposition of Methanol. Frontiers in Chemistry, 2018, 6, 44.	1.8	19
20	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
21	Photocatalytic hydrogen production from methanol over Nd/TiO2. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 366, 55-64.	2.0	16
22	Semi-transparent quaternary oxynitride photoanodes on GaN underlayers. Chemical Communications, 2020, 56, 13193-13196.	2.2	16
23	Metathetic synthesis of lead cyanamide as a p-type semiconductor. Dalton Transactions, 2020, 49, 14061-14067.	1.6	16
24	Increased photocurrent of CuWO₄ photoanodes by modification with the oxide carbodiimide Sn₂O(NCN). Dalton Transactions, 2020, 49, 3450-3456.	1.6	14
25	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
26	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
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	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
29	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
30	Combining Electrocatalysts and Biobased Adsorbents for Sustainable Denitrification. ACS Sustainable Chemistry and Engineering, 2021, 9, 3658-3667.	3.2	9
31	Sensibilization of p-NiO with ZnSe/CdS and CdS/ZnSe quantum dots for photoelectrochemical water reduction. Nanoscale, 2021, 13, 869-877.	2.8	8
32	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
33	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
34	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
35	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
36	Structural Properties of NdTiO2+xN1â€“x and Its Application as Photoanode. Inorganic Chemistry, 2021, 60, 919-929.	1.9	7

#	Article	IF	Citations
37	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
38	Tailoring Properties of Resol Resin-Derived Spherical Carbons for Adsorption of Phenol from Aqueous Solution. Molecules, 2021, 26, 1736.	1.7	5
39	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
40	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
41	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
42	Selective Aerobic Oxidation of P-Methoxytoluene by Co(II)-Promoted NHPI Incorporated into Cross-Linked Copolymer Structure. Catalysts, 2021, 11, 1474.	1.6	3
43	Polymer Hydrogel-Clay (Nano)Composites. Gels Horizons: From Science To Smart Materials, 2018, , 1-62.	0.3	2
44	In Search of Factors Determining Activity of Co3O4 Nanoparticles Dispersed in Partially Exfoliated Montmorillonite Structure. Molecules, 2021, 26, 3288.	1.7	2