Mohammad Qamar

List of Publications by Year
in descending order

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71	2,511	136740	205818
papers	citations	32 h-index	48 g-index

71	71	71	3498
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Preparation and photocatalytic activity of nanotubes obtained from titanium dioxide. Catalysis Today, 2008, 131, 3-14.	2.2	161
2	Photocatalytic degradation of two selected dye derivatives, chromotrope 2B and amido black 10B, in aqueous suspensions of titanium dioxide. Dyes and Pigments, 2005, 65, 1-9.	2.0	130
3	A comparative photocatalytic activity of titanium dioxide and zinc oxide by investigating the degradation of vanillin. Desalination, 2009, 249, 535-540.	4.0	111
4	Highly Efficient and Selective Oxidation of Aromatic Alcohols Photocatalyzed by Nanoporous Hierarchical Pt/Bi₂WO₆ in Organic Solvent-Free Environment. ACS Applied Materials & Interfaces, 2015, 7, 1257-1269.	4.0	106
5	Metalâ€“organic framework-guided growth of Mo₂C embedded in mesoporous carbon as a high-performance and stable electrocatalyst for the hydrogen evolution reaction. Journal of Materials Chemistry A, 2016, 4, 16225-16232.	5.2	102
6	Effect of post treatments on the structure and thermal stability of titanate nanotubes. Nanotechnology, 2006, 17, 5922-5929.	1.3	89
7	Ternary Bi2S3/MoS2/TiO2 with double Z-scheme configuration as high performance photocatalyst. Applied Surface Science, 2020, 499, 143938.	3.1	89
8	Interconnected Hollow Cobalt Phosphide Grown on Carbon Nanotubes for Hydrogen Evolution Reaction. ACS Applied Materials & Interfaces, 2018, 10, 29407-29416.	4.0	73
9	Controlling the Size, Morphology, and Aspect Ratio of Nanostructures Using Reverse Micelles: A Case Study of Copper Oxalate Monohydrate. Langmuir, 2009, 25, 6469-6475.	1.6	70
10	Synthesis of nanostructured NiO and its application in laser-induced photocatalytic reduction of Cr(VI) from water. Journal of Molecular Catalysis A, 2011, 341, 83-88.	4.8	69
11	Laser-induced efficient reduction of Cr(VI) catalyzed by ZnO nanoparticles. Journal of Hazardous Materials, 2011, 187, 258-263.	6.5	59
12	Removal of Rhodamine 6G induced by laser and catalyzed by Pt/WO3 nanocomposite. Catalysis Communications, 2010, 11, 768-772.	1.6	58
13	Single-Pot Synthesis of âŸ001âŸ©-Faceted N-Doped Nb₂O₅/Reduced Graphene Oxide Nanocomposite for Efficient Photoelectrochemical Water Splitting. ACS Applied Materials & Interfaces, 2015, 7, 17954-17962.	4.0	56
14	Zinc Oxideâ€Based Acetone Gas Sensors for Breath Analysis: A Review. Chemistry - an Asian Journal, 2021, 16, 1519-1538.	1.7	55
15	Synthesis of highly active visible-light-driven colloidal silver orthophosphate. Chemical Physics Letters, 2012, 519-520, 54-58.	1.2	53
16	Facile synthesis of ultrathin interconnected carbon nanosheets as a robust support for small and uniformly-dispersed iron phosphide for the hydrogen evolution reaction. Carbon, 2019, 144, 764-771.	5.4	53
17	Titanium dioxide mediated photocatalytic degradation of two selected azo dye derivatives, chrysoidine R and acid red 29 (chromotrope 2R), in aqueous suspensions. Desalination, 2005, 186, 255-271.	4.0	52
18	Bifunctional CuO/TiO2 nanocomposite as nanofiller for improved corrosion resistance and antibacterial protection. Progress in Organic Coatings, 2018, 114, 9-18.	1.9	46

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19	Rationally Dispersed Molybdenum Phosphide on Carbon Nanotubes for the Hydrogen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2018, 6, 11414-11423.	3.2	46
20	Engineering the depletion layer of Au-modified ZnO/Ag core-shell films for high-performance acetone gas sensing. Sensors and Actuators B: Chemical, 2021, 338, 129851.	4.0	45
21	Comparative photocatalytic study of two selected pesticide derivatives, indole-3-acetic acid and indole-3-butyric acid in aqueous suspensions of titanium dioxide. Journal of Hazardous Materials, 2005, 120, 219-227.	6.5	44
22	Laser-induced removal of a dye C.I. Acid Red 87 using n-type WO3 semiconductor catalyst. Journal of Hazardous Materials, 2009, 170, 584-589.	6.5	44
23	Synthesis of mesoporous NiWO4 nanocrystals for enhanced photoelectrochemical water oxidation. Materials Letters, 2016, 177, 135-138.	1.3	44
24	Semiconductor-mediated photocatalytic degradation of anazo dye, chrysoidine Y in aqueous suspensions. Desalination, 2005, 171, 185-193.	4.0	42
25	Synthesis of highly active nanocrystalline WO3 and its application in laser-induced photocatalytic removal of a dye from water. Catalysis Communications, 2009, 10, 1980-1984.	1.6	42
26	Nanostructured cobalt-modified molybdenum carbides electrocatalysts for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2016, 41, 22899-22912.	3.8	41
27	Strategies to Enhance ZnO Photocatalyst's Performance for Water Treatment: A Comprehensive Review. Chemical Record, 2022, 22, e202100299.	2.9	40
28	Tuning Structural Properties of WO3 Thin Films for Photoelectrocatalytic Water Oxidation. Catalysts, 2021, 11, 381.	1.6	38
29	Synthesis and photocatalytic activity of mesoporous nanocrystalline Fe-doped titanium dioxide. Catalysis Today, 2014, 230, 158-165.	2.2	36
30	TiO₂-based nanotubes modified with nickel: synthesis, properties, and improved photocatalytic activity. Nanotechnology, 2009, 20, 455703.	1.3	34
31	Perforated Co3O4 nanosheets as high-performing supercapacitor material. Electrochimica Acta, 2021, 389, 138661.	2.6	34
32	Enhanced photoelectrochemical and photocatalytic activity of WO3-surface modified TiO2 thin film. Nanoscale Research Letters, 2015, 10, 54.	3.1	32
33	Surface-engineered WO3 thin films for efficient NO2 sensing. Applied Surface Science, 2020, 517, 146235.	3.1	30
34	Photocatalysed reaction of few selected organic systems in presence of titanium dioxide. Applied Catalysis A: General, 2005, 289, 224-230.	2.2	29
35	Mesoporous hierarchical bismuth tungstate as a highly efficient visible-light-driven photocatalyst. RSC Advances, 2014, 4, 9542.	1.7	28
36	Improved photoelectrochemical water oxidation under visible light with mesoporous CoWO4. Materials Letters, 2016, 183, 281-284.	1.3	25

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37	Controlled growth of small and uniformly dispersed Mo2C on carbon nanotubes as high performance electrocatalyst for the hydrogen evolution reaction. International Journal of Hydrogen Energy, 2019, 44, 11797-11807.	3.8	25
38	FeP/MoS₂ Enriched with Dense Catalytic Sites and High Electrical Conductivity for the Hydrogen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2019, 7, 17671-17681.	3.2	24
39	Fabrication of platinum thin films for ultra-high electrocatalytic hydrogen evolution reaction. International Journal of Hydrogen Energy, 2020, 45, 15076-15085.	3.8	23
40	Chemoselective and highly efficient conversion of aromatic alcohols into aldehydes photo-catalyzed by Ag3PO4 in aqueous suspension under simulated sunlight. Catalysis Communications, 2015, 58, 34-39.	1.6	20
41	Synthesis of mesoporous zeolite Y nanocrystals in octahedral motifs mediated by amphiphilic organosilane surfactant. Chemical Engineering Journal, 2016, 290, 282-289.	6.6	20
42	The impact of microstructural features of carbon supports on the electrocatalytic hydrogen evolution reaction. Catalysis Science and Technology, 2019, 9, 1497-1503.	2.1	20
43	Nanostructured MagnÃ©li-Phase W18O49 Thin Films for Photoelectrochemical Water Splitting. Catalysts, 2020, 10, 526.	1.6	20
44	Photoinduced electron transfer reaction of few selected organic systems in presence of titanium dioxide. Journal of Molecular Catalysis A, 2005, 234, 151-157.	4.8	19
45	Photodegradation of acridine orange catalyzed by nanostructured titanium dioxide modified with platinum and silver metals. Desalination, 2010, 254, 108-113.	4.0	19
46	A novel Cs2Oâ€“Bi2O3â€“TiO2â€“ZnO heterostructure with direct Z-Scheme for efficient photocatalytic water splitting. Ceramics International, 2019, 45, 23756-23764.	2.3	17
47	Selective photocatalytic oxidation of aromatic alcohols into aldehydes by tungsten blue oxide (TBO) anchored with Pt nanoparticles. RSC Advances, 2016, 6, 71108-71116.	1.7	15
48	Interfacial coupling of amorphous cobalt boride with g-C3N4 nanosheets for superior oxygen evolution reaction. Materials Letters, 2020, 268, 127593.	1.3	14
49	Titanium-dioxide-mediated photocatalysis reaction of three selected pesticide derivatives. Research on Chemical Intermediates, 2004, 30, 663-672.	1.3	13
50	Shape-dependent performance of gold nanocrystals supported on TiO2 for photoelectrochemical water oxidation under different radiations. International Journal of Hydrogen Energy, 2019, 44, 23054-23065.	3.8	12
51	Fabrication and magnetic properties of cobalt nanorod arrays containing a number of ultrafine nanowires electrodeposited within an AAO/SBA-15 template. Solid State Communications, 2011, 151, 1151-1155.	0.9	11
52	Benzyl Alcohol-Mediated Versatile Method to Fabricate Nonstoichiometric Metal Oxide Nanostructures. ACS Applied Materials & Interfaces, 2017, 9, 40573-40579.	4.0	11
53	Broad Solar Spectrum-Responsive and Highly Efficient Photoanode of Nonstoichiometric TiO₂ Nanoplates/Reduced Graphene Oxide. ACS Sustainable Chemistry and Engineering, 2018, 6, 2112-2121.	3.2	11
54	Photocatalyzed reaction of indole in an aqueous suspension of titanium dioxide. Research on Chemical Intermediates, 2010, 36, 121-125.	1.3	10

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55	Direct deposition of a nanoporous palladium electrocatalyst for efficient hydrogen evolution reaction. New Journal of Chemistry, 2020, 44, 7795-7801.	1.4	10
56	Confined growth and dispersion of FeP nanoparticles in highly mesoporous carbons as efficient electrocatalysts for the hydrogen evolution reaction. International Journal of Hydrogen Energy, 2021, 46, 8507-8518.	3.8	10
57	Photocatalytic Degradation of Recalcitrant Pollutants of Greywater. Catalysts, 2022, 12, 557.	1.6	10
58	Self-assembling behaviour of Pt nanoparticles onto surface of TiO2 and their resulting photocatalytic activity. Bulletin of Materials Science, 2013, 36, 945-951.	0.8	9
59	Amelioration in the visible-light-driven photocatalysis by < 002 > faceted WO3 nanocuboids. Catalysis Communications, 2015, 70, 21-25.	1.6	9
60	Direct Self-Assembly of Hierarchically Grown Rhodium Thin Films for Electrocatalytic Hydrogen Evolution Reaction. Catalysts, 2021, 11, 338.	1.6	9
61	A review on heterogeneous oxidation of acetaminophen based on micro and nanoparticles catalyzed by different activators. Nanotechnology Reviews, 2022, 11, 497-525.	2.6	8
62	Titanium-dioxide-mediated photocatalysed reaction of selected organic systems. Research on Chemical Intermediates, 2005, 31, 807-817.	1.3	7
63	Growth of ultrathin nanosheets of nickel iron layered double hydroxide for the oxygen evolution reaction. International Journal of Hydrogen Energy, 2022, 47, 23498-23507.	3.8	7
64	Morphologically controlled rapid fabrication of rhodium sulfide (Rh₂S₃) thin films for superior and robust hydrogen evolution reaction. Sustainable Energy and Fuels, 2021, 5, 459-468.	2.5	6
65	Simple and Enhanced Thermal Immobilization of Gold Nanoparticles on TiO₂coated ITO Electrodes for Photoelectrochemical Water Oxidation. ChemistrySelect, 2017, 2, 7678-7683.	0.7	5
66	Reaping the catalytic benefits of both surface (NiFe₂O₄) and underneath (Ni₃Fe) layers for the oxygen evolution reaction. Sustainable Energy and Fuels, 2021, 5, 2704-2714.	2.5	4
67	Role of Post-Hydrothermal Treatment on the Microstructures and Photocatalytic Activity of TiO2-Based Nanotubes. Catalysts, 2022, 12, 702.	1.6	3
68	Photoelectrochemical investigation of bare transparent conducting oxides for water oxidation. Journal of Materials Science: Materials in Electronics, 2016, 27, 10325-10329.	1.1	2
69	Emissive lead(II) benzenedicarboxylate metal-organic frameworks. Journal of Chemical Sciences, 2018, 130, 1.	0.7	2
70	Metal Carbides in Fuel Cell Cathode. Lecture Notes in Energy, 2013, , 665-687.	0.2	0
71	Shape-dependent activity of anisotropic Ag nanostructures supported on TiO2 for the photoelectrocatalytic water oxidation. Journal of Materials Science: Materials in Electronics, 2019, 30, 1510-1518.	1.1	0