

# Mohammad Qamar

## List of Publications by Citations

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69

papers

1,916

citations

28

h-index

42

g-index

71

ext. papers

2,208

ext. citations

5.8

avg, IF

5.17

L-index

#	Paper	IF	Citations
69	Preparation and photocatalytic activity of nanotubes obtained from titanium dioxide. <i>Catalysis Today</i> , <b>2008</b> , 131, 3-14	5.3	153
68	Photocatalytic degradation of two selected dye derivatives, chromotrope 2B and amido black 10B, in aqueous suspensions of titanium dioxide. <i>Dyes and Pigments</i> , <b>2005</b> , 65, 1-9	4.6	110
67	A comparative photocatalytic activity of titanium dioxide and zinc oxide by investigating the degradation of vanillin. <i>Desalination</i> , <b>2009</b> , 249, 535-540	10.3	96
66	Highly efficient and selective oxidation of aromatic alcohols photocatalyzed by nanoporous hierarchical Pt/Bi <sub>2</sub> WO <sub>6</sub> in organic solvent-free environment. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 1257-69	9.5	93
65	Effect of post treatments on the structure and thermal stability of titanate nanotubes. <i>Nanotechnology</i> , <b>2006</b> , 17, 5922-5929	3.4	86
64	Metal-organic framework-guided growth of Mo <sub>2</sub> C embedded in mesoporous carbon as a high-performance and stable electrocatalyst for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 16225-16232	13	84
63	Controlling the size, morphology, and aspect ratio of nanostructures using reverse micelles: a case study of copper oxalate monohydrate. <i>Langmuir</i> , <b>2009</b> , 25, 6469-75	4	63
62	Synthesis of nanostructured NiO and its application in laser-induced photocatalytic reduction of Cr(VI) from water. <i>Journal of Molecular Catalysis A</i> , <b>2011</b> , 341, 83-88		60
61	Ternary Bi <sub>2</sub> S <sub>3</sub> /MoS <sub>2</sub> /TiO <sub>2</sub> with double Z-scheme configuration as high performance photocatalyst. <i>Applied Surface Science</i> , <b>2020</b> , 499, 143938	6.7	57
60	Laser-induced efficient reduction of Cr(VI) catalyzed by ZnO nanoparticles. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 187, 258-63	12.8	55
59	Interconnected Hollow Cobalt Phosphide Grown on Carbon Nanotubes for Hydrogen Evolution Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 29407-29416	9.5	51
58	Removal of Rhodamine 6G induced by laser and catalyzed by Pt/WO <sub>3</sub> nanocomposite. <i>Catalysis Communications</i> , <b>2010</b> , 11, 768-772	3.2	50
57	Titanium dioxide mediated photocatalytic degradation of two selected azo dye derivatives, chrysoidine R and acid red 29 (chromotrope 2R), in aqueous suspensions. <i>Desalination</i> , <b>2005</b> , 186, 255-271	10.3	47
56	Synthesis of highly active visible-light-driven colloidal silver orthophosphate. <i>Chemical Physics Letters</i> , <b>2012</b> , 519-520, 54-58	2.5	46
55	Single-Pot Synthesis of <001>-Faceted N-Doped Nb <sub>2</sub> O <sub>5</sub> /Reduced Graphene Oxide Nanocomposite for Efficient Photoelectrochemical Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 17954-62	9.5	44
54	Facile synthesis of ultrathin interconnected carbon nanosheets as a robust support for small and uniformly-dispersed iron phosphide for the hydrogen evolution reaction. <i>Carbon</i> , <b>2019</b> , 144, 764-771	10.4	43
53	Laser-induced removal of a dye C.I. Acid Red 87 using n-type WO <sub>3</sub> semiconductor catalyst. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 170, 584-9	12.8	41

52	Comparative photocatalytic study of two selected pesticide derivatives, indole-3-acetic acid and indole-3-butyric acid in aqueous suspensions of titanium dioxide. <i>Journal of Hazardous Materials</i> , <b>2005</b> , 120, 219-27	12.8	40
51	Semiconductor-mediated photocatalytic degradation of anazo dye, chrysoidine Y in aqueous suspensions. <i>Desalination</i> , <b>2005</b> , 171, 185-193	10.3	38
50	Bifunctional CuO/TiO <sub>2</sub> nanocomposite as nanofiller for improved corrosion resistance and antibacterial protection. <i>Progress in Organic Coatings</i> , <b>2018</b> , 114, 9-18	4.8	36
49	Nanostructured cobalt-modified molybdenum carbides electrocatalysts for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 22899-22912	6.7	35
48	TiO <sub>2</sub> -based nanotubes modified with nickel: synthesis, properties, and improved photocatalytic activity. <i>Nanotechnology</i> , <b>2009</b> , 20, 455703	3.4	34
47	Synthesis of highly active nanocrystalline WO <sub>3</sub> and its application in laser-induced photocatalytic removal of a dye from water. <i>Catalysis Communications</i> , <b>2009</b> , 10, 1980-1984	3.2	34
46	Synthesis of mesoporous NiWO <sub>4</sub> nanocrystals for enhanced photoelectrochemical water oxidation. <i>Materials Letters</i> , <b>2016</b> , 177, 135-138	3.3	32
45	Rationally Dispersed Molybdenum Phosphide on Carbon Nanotubes for the Hydrogen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 11414-11423	8.3	31
44	Synthesis and photocatalytic activity of mesoporous nanocrystalline Fe-doped titanium dioxide. <i>Catalysis Today</i> , <b>2014</b> , 230, 158-165	5.3	31
43	Enhanced photoelectrochemical and photocatalytic activity of WO <sub>3</sub> -surface modified TiO <sub>2</sub> thin film. <i>Nanoscale Research Letters</i> , <b>2015</b> , 10, 54	5	29
42	Photocatalysed reaction of few selected organic systems in presence of titanium dioxide. <i>Applied Catalysis A: General</i> , <b>2005</b> , 289, 224-230	5.1	28
41	Mesoporous hierarchical bismuth tungstate as a highly efficient visible-light-driven photocatalyst. <i>RSC Advances</i> , <b>2014</b> , 4, 9542	3.7	26
40	Chemoselective and highly efficient conversion of aromatic alcohols into aldehydes photo-catalyzed by Ag <sub>3</sub> PO <sub>4</sub> in aqueous suspension under simulated sunlight. <i>Catalysis Communications</i> , <b>2015</b> , 58, 34-39	3.2	19
39	Photoinduced electron transfer reaction of few selected organic systems in presence of titanium dioxide. <i>Journal of Molecular Catalysis A</i> , <b>2005</b> , 234, 151-157		19
38	Photodegradation of acridine orange catalyzed by nanostructured titanium dioxide modified with platinum and silver metals. <i>Desalination</i> , <b>2010</b> , 254, 108-113	10.3	18
37	Controlled growth of small and uniformly dispersed Mo <sub>2</sub> C on carbon nanotubes as high performance electrocatalyst for the hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 11797-11807	6.7	17
36	Synthesis of mesoporous zeolite Y nanocrystals in octahedral motifs mediated by amphiphilic organosilane surfactant. <i>Chemical Engineering Journal</i> , <b>2016</b> , 290, 282-289	14.7	17
35	Engineering the depletion layer of Au-modified ZnO/Ag core-shell films for high-performance acetone gas sensing. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 338, 129851	8.5	17

34	Improved photoelectrochemical water oxidation under visible light with mesoporous CoWO <sub>4</sub> . <i>Materials Letters</i> , <b>2016</b> , 183, 281-284	3.3	15
33	Surface-engineered WO <sub>3</sub> thin films for efficient NO <sub>2</sub> sensing. <i>Applied Surface Science</i> , <b>2020</b> , 517, 146235-67	3.7	14
32	The impact of microstructural features of carbon supports on the electrocatalytic hydrogen evolution reaction. <i>Catalysis Science and Technology</i> , <b>2019</b> , 9, 1497-1503	5.5	13
31	A novel Cs <sub>2</sub> O/Bi <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> /ZnO heterostructure with direct Z-Scheme for efficient photocatalytic water splitting. <i>Ceramics International</i> , <b>2019</b> , 45, 23756-23764	5.1	13
30	Nanostructured Magn $\eta$ -Phase W <sub>18</sub> O <sub>49</sub> Thin Films for Photoelectrochemical Water Splitting. <i>Catalysts</i> , <b>2020</b> , 10, 526	4	12
29	Selective photocatalytic oxidation of aromatic alcohols into aldehydes by tungsten blue oxide (TBO) anchored with Pt nanoparticles. <i>RSC Advances</i> , <b>2016</b> , 6, 71108-71116	3.7	12
28	Titanium-dioxide-mediated photocatalysis reaction of three selected pesticide derivatives. <i>Research on Chemical Intermediates</i> , <b>2004</b> , 30, 663-672	2.8	12
27	Fabrication and magnetic properties of cobalt nanorod arrays containing a number of ultrafine nanowires electrodeposited within an AAO/SBA-15 template. <i>Solid State Communications</i> , <b>2011</b> , 151, 1151-1155	1.6	11
26	Zinc Oxide-Based Acetone Gas Sensors for Breath Analysis: A Review. <i>Chemistry - an Asian Journal</i> , <b>2021</b> , 16, 1519-1538	4.5	11
25	FeP/MoS <sub>2</sub> Enriched with Dense Catalytic Sites and High Electrical Conductivity for the Hydrogen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 17671-17681	8.3	10
24	Fabrication of platinum thin films for ultra-high electrocatalytic hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 15076-15085	6.7	10
23	Amelioration in the visible-light-driven photocatalysis by faceted WO <sub>3</sub> nanocuboids. <i>Catalysis Communications</i> , <b>2015</b> , 70, 21-25	3.2	9
22	Photocatalyzed reaction of indole in an aqueous suspension of titanium dioxide. <i>Research on Chemical Intermediates</i> , <b>2010</b> , 36, 121-125	2.8	9
21	Tuning Structural Properties of WO <sub>3</sub> Thin Films for Photoelectrocatalytic Water Oxidation. <i>Catalysts</i> , <b>2021</b> , 11, 381	4	9
20	Interfacial coupling of amorphous cobalt boride with g-C <sub>3</sub> N <sub>4</sub> nanosheets for superior oxygen evolution reaction. <i>Materials Letters</i> , <b>2020</b> , 268, 127593	3.3	8
19	Broad Solar Spectrum-Responsive and Highly Efficient Photoanode of Nonstoichiometric TiO <sub>2</sub> Nanoplates/Reduced Graphene Oxide. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 2112-2121	8.3	8
18	Self-assembling behaviour of Pt nanoparticles onto surface of TiO <sub>2</sub> and their resulting photocatalytic activity. <i>Bulletin of Materials Science</i> , <b>2013</b> , 36, 945-951	1.7	8
17	Direct deposition of a nanoporous palladium electrocatalyst for efficient hydrogen evolution reaction. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 7795-7801	3.6	7

16	Titanium-dioxide-mediated photocatalysed reaction of selected organic systems. <i>Research on Chemical Intermediates</i> , <b>2005</b> , 31, 807-817	2.8	7
15	Benzyl Alcohol-Mediated Versatile Method to Fabricate Nonstoichiometric Metal Oxide Nanostructures. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 40573-40579	9.5	6
14	Simple and Enhanced Thermal Immobilization of Gold Nanoparticles on TiO <sub>2</sub> coated ITO Electrodes for Photoelectrochemical Water Oxidation. <i>ChemistrySelect</i> , <b>2017</b> , 2, 7678-7683	1.8	5
13	Shape-dependent performance of gold nanocrystals supported on TiO <sub>2</sub> for photoelectrochemical water oxidation under different radiations. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 23054-23065	6.7	4
12	Direct Self-Assembly of Hierarchically Grown Rhodium Thin Films for Electrocatalytic Hydrogen Evolution Reaction. <i>Catalysts</i> , <b>2021</b> , 11, 338	4	4
11	Perforated Co <sub>3</sub> O <sub>4</sub> nanosheets as high-performing supercapacitor material. <i>Electrochimica Acta</i> , <b>2021</b> , 389, 138661	6.7	4
10	Strategies to Enhance ZnO Photocatalyst's Performance for Water Treatment: A Comprehensive Review.. <i>Chemical Record</i> , <b>2022</b> , e202100299	6.6	3
9	Morphologically controlled rapid fabrication of rhodium sulfide (Rh <sub>2</sub> S <sub>3</sub> ) thin films for superior and robust hydrogen evolution reaction. <i>Sustainable Energy and Fuels</i> , <b>2021</b> , 5, 459-468	5.8	3
8	A review on heterogeneous oxidation of acetaminophen based on micro and nanoparticles catalyzed by different activators. <i>Nanotechnology Reviews</i> , <b>2022</b> , 11, 497-525	6.3	2
7	Photoelectrochemical investigation of bare transparent conducting oxides for water oxidation. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 10325-10329	2.1	2
6	Confined growth and dispersion of FeP nanoparticles in highly mesoporous carbons as efficient electrocatalysts for the hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 8507-8518	6.7	2
5	Emissive lead(II) benzenedicarboxylate metal-organic frameworks. <i>Journal of Chemical Sciences</i> , <b>2018</b> , 130, 1	1.8	1
4	Photocatalytic Degradation of Recalcitrant Pollutants of Greywater. <i>Catalysts</i> , <b>2022</b> , 12, 557	4	1
3	Reaping the catalytic benefits of both surface (NiFe <sub>2</sub> O <sub>4</sub> ) and underneath (Ni <sub>3</sub> Fe) layers for the oxygen evolution reaction. <i>Sustainable Energy and Fuels</i> , <b>2021</b> , 5, 2704-2714	5.8	0
2	Metal Carbides in Fuel Cell Cathode. <i>Lecture Notes in Energy</i> , <b>2013</b> , 665-687	0.4	
1	Shape-dependent activity of anisotropic Ag nanostructures supported on TiO <sub>2</sub> for the photoelectrocatalytic water oxidation. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 1510-1518	2.1	