

# Muhammad Waqas

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

610  
citations

759233

12  
h-index

940533

16  
g-index

16  
all docs

16  
docs citations

16  
times ranked

876  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fe <sub>2</sub> TiO <sub>5</sub> /Fe <sub>2</sub> O <sub>3</sub> (Shell/Shell) and (Shell/Core) Heterostructured for Efficient Oxygen Evolution. <i>Inorganic Chemistry</i> , 2021, 60, 13461-13470.	4.0	7
2	Enhanced photocatalytic hydrogen evolution under visible light irradiation by p-type MoS <sub>2</sub> /n-type Ni <sub>2</sub> P doped g-C <sub>3</sub> N <sub>4</sub> . <i>Applied Surface Science</i> , 2020, 504, 144448.	6.1	42
3	Convenient one-step fabrication and morphology evolution of thin-shelled honeycomb-like structured g-C <sub>3</sub> N <sub>4</sub> to significantly enhance photocatalytic hydrogen evolution. <i>Applied Surface Science</i> , 2020, 506, 145004.	6.1	22
4	Design of a 0D/3D MoS <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> composite for boosting the efficient separation of photogenerated carriers with enhanced visible-light-driven H <sub>2</sub> evolution. <i>RSC Advances</i> , 2020, 10, 19169-19177.	3.6	18
5	Tuning the N-bonded cerium fraction/g-C <sub>3</sub> N <sub>4</sub> interface in hollow structures using an <i>in situ</i> reduction treatment for superior photochemical hydrogen evolution. <i>Catalysis Science and Technology</i> , 2019, 9, 5322-5332.	4.1	16
6	Cu-Promoted Cobalt Oxide Film Catalyst for Efficient Gas Emissions Abatement. <i>Journal of Thermal Science</i> , 2019, 28, 225-231.	1.9	11
7	Gaseous bubble-assisted in-situ construction of worm-like porous g-C <sub>3</sub> N <sub>4</sub> with superior visible light photocatalytic performance. <i>Applied Catalysis A: General</i> , 2019, 573, 13-21.	4.3	24
8	Effective degradation of refractory nitrobenzene in water by the natural 4-hydroxycoumarin under solar illumination. <i>Chemosphere</i> , 2019, 215, 199-205.	8.2	10
9	Particle size-band gap energy-catalytic properties relationship of PSE-CVD-derived Fe <sub>3</sub> O <sub>4</sub> thin films. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 93, 427-435.	5.3	42
10	Controllable synthesis of graphitic carbon nitride nanomaterials for solar energy conversion and environmental remediation: the road travelled and the way forward. <i>Catalysis Science and Technology</i> , 2018, 8, 4576-4599.	4.1	99
11	Green synthesis of ultrafine super-paramagnetic magnetite nano-fluid: a magnetic and dielectric study. <i>Chemical Papers</i> , 2017, 71, 1445-1451.	2.2	22
12	Electrochemical performance of 2D polyaniline anchored CuS/Graphene nano-active composite as anode material for lithium-ion battery. <i>Journal of Colloid and Interface Science</i> , 2017, 502, 16-23.	9.4	65
13	Eco-friendly synthesis of magnetite (Fe <sub>3</sub> O <sub>4</sub> ) nanoparticles with tunable size: Dielectric, magnetic, thermal and optical studies. <i>Materials Chemistry and Physics</i> , 2017, 198, 229-235.	4.0	78
14	Designing of a spatially separated hetero-junction pseudobrookite (Fe <sub>2</sub> TiO <sub>5</sub> -TiO <sub>2</sub> ) yolk-shell hollow spheres as efficient photocatalyst for water oxidation reaction. <i>Applied Catalysis B: Environmental</i> , 2017, 219, 30-35.	20.2	48
15	Multi-shelled TiO <sub>2</sub> /Fe <sub>2</sub> TiO <sub>5</sub> heterostructured hollow microspheres for enhanced solar water oxidation. <i>Nano Research</i> , 2017, 10, 3920-3928.	10.4	94
16	Influence of Fe <sup>2+</sup> and Ni <sup>2+</sup> contents on the optical and electrical properties of ZnS quantum dots. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 4449-4457.	2.2	12