

Faizan Raza

List of Publications by Year in descending order

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1209
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#	ARTICLE	IF	CITATIONS
1	Structuring Pd Nanoparticles on 2H-WS ₂ Nanosheets Induces Excellent Photocatalytic Activity for Cross-Coupling Reactions under Visible Light. <i>Journal of the American Chemical Society</i> , 2017, 139, 14767-14774.	13.7	160
2	Visible-Light-Driven Oxidative Coupling Reactions of Amines by Photoactive WS ₂ Nanosheets. <i>ACS Catalysis</i> , 2016, 6, 2754-2759.	11.2	152
3	Modulating the Photocatalytic Activity of Graphene Quantum Dots via Atomic Tailoring for Highly Enhanced Photocatalysis under Visible Light. <i>Advanced Functional Materials</i> , 2016, 26, 8211-8219.	14.9	106
4	Recyclable N-heterocyclic carbene/palladium catalyst on graphene oxide for the aqueous-phase Suzuki reaction. <i>Tetrahedron Letters</i> , 2014, 55, 3426-3430.	1.4	58
5	Electrocatalysts for Lithium-Air Batteries: Current Status and Challenges. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 14288-14320.	6.7	42
6	Oxygen-mediated formation of MoS _x -doped hollow carbon dots for visible light-driven photocatalysis. <i>Journal of Materials Chemistry A</i> , 2016, 4, 14796-14803.	10.3	33
7	Photoactive WS ₂ nanosheets bearing plasmonic nanoparticles for visible light-driven reduction of nitrophenol. <i>Chemical Communications</i> , 2016, 52, 6150-6153.	4.1	32
8	Ultrathin WO ₃ Nanosheets Converted from Metallic WS ₂ Sheets by Spontaneous Formation and Deposition of PdO Nanoclusters for Visible Light-Driven C-C Coupling Reactions. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 36960-36969.	8.0	29
9	Energy, exergy and economic (3E) evaluation of CO ₂ capture from natural gas using pyridinium functionalized ionic liquids: A simulation study. <i>Journal of Natural Gas Science and Engineering</i> , 2021, 90, 103951.	4.4	25
10	Nanoscale modification of carbon fibers with CdS quantum-dot sensitized TiO ₂ : Photocatalytic and photothermal evaluation under visible irradiation. <i>Materials Science in Semiconductor Processing</i> , 2022, 142, 106485.	4.0	12
11	The study of different redox mediators for competent Li-air batteries. <i>Journal of Power Sources</i> , 2022, 538, 231379.	7.8	10
12	Rapid conjunction of 1D carbon nanotubes and 2D graphitic carbon nitride with ZnO for improved optoelectronic properties. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 3805-3817.	3.1	8
13	Experimental evaluation of oil recovery mechanism using a variety of surface-modified silica nanoparticles: Role of in-situ surface-modification in oil-wet system. <i>PLoS ONE</i> , 2020, 15, e0236837.	2.5	7
14	Development of CZTS-sensitized TiO ₂ nanoparticles via p-SILAR: concomitant salvaging of photocatalytic SnO ₂ and CZTS. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 17563-17573.	2.2	6
15	Aprotic lithium air batteries with oxygen-selective membranes. <i>Materials for Renewable and Sustainable Energy</i> , 2022, 11, 33-46.	3.6	6