

Kazi M Alam

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26
papers

665
citations

11
h-index

25
g-index

31
ext. papers

953
ext. citations

7.6
avg, IF

4.26
L-index

#	Paper	IF	Citations
26	Hot hole transfer from Ag nanoparticles to multiferroic YMn ₂ O ₅ nanowires enables superior photocatalytic activity. <i>Journal of Materials Chemistry C</i> , 2022 , 10, 4128-4139	7.1	0
25	Effect of morphology on the photoelectrochemical performance of nanostructured CuO photocathodes. <i>Nanotechnology</i> , 2021 , 32,	3.4	1
24	Photocatalytic Mechanism Control and Study of Carrier Dynamics in CdS@CN Core-Shell Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 47418-47439	9.5	11
23	Nonlithographic Formation of TaO Nanodimple Arrays Using Electrochemical Anodization and Their Use in Plasmonic Photocatalysis for Enhancement of Local Field and Catalytic Activity. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 4340-4351	9.5	4
22	Asymmetric Multipole Plasmon-Mediated Catalysis Shifts the Product Selectivity of CO Photoreduction toward C Products. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 7248-7258	9.5	16
21	Water-splitting photoelectrodes consisting of heterojunctions of carbon nitride with a-type low bandgap double perovskite oxide. <i>Nanotechnology</i> , 2021 , 32,	3.4	1
20	Harvesting Hot Holes in Plasmon-Coupled Ultrathin Photoanodes for High-Performance Photoelectrochemical Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 42741-42752	9.5	9
19	Synthesis and Characterization of Zinc Phthalocyanine-Cellulose Nanocrystal (CNC) Conjugates: Toward Highly Functional CNCs. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 43992-44006	9.5	4
18	Plasmonic photocatalysis and SERS sensing using ellipsometrically modeled Ag nanoisland substrates. <i>Nanotechnology</i> , 2020 , 31, 365301	3.4	12
17	Mapping the surface potential, charge density and adhesion of cellulose nanocrystals using advanced scanning probe microscopy. <i>Carbohydrate Polymers</i> , 2020 , 246, 116393	10.3	2
16	CVD grown nitrogen doped graphene is an exceptional visible-light driven photocatalyst for surface catalytic reactions. <i>2D Materials</i> , 2020 , 7, 015002	5.9	6
15	Consistently High Values in p-i-n Type Perovskite Solar Cells Using Ni-Doped NiO Nanomesh as the Hole Transporting Layer. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 11467-11478	9.5	33
14	Noble Metal Free, Visible Light Driven Photocatalysis Using TiO ₂ Nanotube Arrays Sensitized by P-Doped C ₃ N ₄ Quantum Dots. <i>Advanced Optical Materials</i> , 2020 , 8, 1901275	8.1	34
13	Enhanced charge separation in g-C ₃ N ₄ /BiOI heterostructures for visible light driven photoelectrochemical water splitting. <i>Nanoscale Advances</i> , 2019 , 1, 1460-1471	5.1	77
12	High rate CO ₂ photoreduction using flame annealed TiO ₂ nanotubes. <i>Applied Catalysis B: Environmental</i> , 2019 , 243, 522-536	21.8	88
11	CN: A Low Bandgap Semiconductor Containing an Azo-Linked Carbon Nitride Framework for Photocatalytic, Photovoltaic and Adsorbent Applications. <i>Journal of the American Chemical Society</i> , 2019 , 141, 5415-5436	16.4	208
10	Remarkable self-organization and unusual conductivity behavior in cellulose nanocrystal-PEDOT: PSS nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 1390-1399	2.1	10

9	Heterojunctions of halogen-doped carbon nitride nanosheets and BiOI for sunlight-driven water-splitting. <i>Nanotechnology</i> , 2019 , 31, 084001	3.4	14
8	Spin Filtering with Helical Potentials. <i>Materials and Energy</i> , 2018 , 131-172		
7	Long Carbon Nanotubes Functionalized with DNA and Implications for Spintronics. <i>ACS Omega</i> , 2018 , 3, 17108-17115	3.9	3
6	Arrays of TiO ₂ nanorods embedded with fluorine doped carbon nitride quantum dots (CNFQDs) for visible light driven water splitting. <i>Carbon</i> , 2018 , 137, 174-187	10.4	50
5	Spin filtering with poly-T wrapped single wall carbon nanotubes. <i>Nanoscale</i> , 2017 , 9, 5155-5163	7.7	10
4	Spin Filtering through Single-Wall Carbon Nanotubes Functionalized with Single-Stranded DNA. <i>Advanced Functional Materials</i> , 2015 , 25, 3210-3218	15.6	41
3	Suppression of spin relaxation in rubrene nanowire spin valves. <i>Applied Physics Letters</i> , 2012 , 101, 192403	3.4	11
2	Template-Assisted Synthesis of π -Conjugated Molecular Organic Nanowires in the Sub-100 nm Regime and Device Implications. <i>Advanced Functional Materials</i> , 2012 , 22, 3298-3306	15.6	17
1	High Density Integration of Carbon Nanotube Spin Valves 2011 ,		1