

# Kazi M Alam

## List of Publications by Citations

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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	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> , <b>2019</b> , 141, 5415-5436	16.4	208
25	High rate CO <sub>2</sub> photoreduction using flame annealed TiO <sub>2</sub> nanotubes. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 243, 522-536	21.8	88
24	Enhanced charge separation in g-C <sub>3</sub> N <sub>4</sub> /BiOI heterostructures for visible light driven photoelectrochemical water splitting. <i>Nanoscale Advances</i> , <b>2019</b> , 1, 1460-1471	5.1	77
23	Arrays of TiO <sub>2</sub> nanorods embedded with fluorine doped carbon nitride quantum dots (CNFQDs) for visible light driven water splitting. <i>Carbon</i> , <b>2018</b> , 137, 174-187	10.4	50
22	Spin Filtering through Single-Wall Carbon Nanotubes Functionalized with Single-Stranded DNA. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 3210-3218	15.6	41
21	Noble Metal Free, Visible Light Driven Photocatalysis Using TiO <sub>2</sub> Nanotube Arrays Sensitized by P-Doped C <sub>3</sub> N <sub>4</sub> Quantum Dots. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 1901275	8.1	34
20	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 &amp; Interfaces</i> , <b>2020</b> , 12, 11467-11478	9.5	33
19	Template-Assisted Synthesis of $\pi$ -Conjugated Molecular Organic Nanowires in the Sub-100 nm Regime and Device Implications. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 3298-3306	15.6	17
18	Asymmetric Multipole Plasmon-Mediated Catalysis Shifts the Product Selectivity of CO Photoreduction toward C Products. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 7248-7258	9.5	16
17	Heterojunctions of halogen-doped carbon nitride nanosheets and BiOI for sunlight-driven water-splitting. <i>Nanotechnology</i> , <b>2019</b> , 31, 084001	3.4	14
16	Plasmonic photocatalysis and SERS sensing using ellipsometrically modeled Ag nanoisland substrates. <i>Nanotechnology</i> , <b>2020</b> , 31, 365301	3.4	12
15	Suppression of spin relaxation in rubrene nanowire spin valves. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 192403	3.4	11
14	Photocatalytic Mechanism Control and Study of Carrier Dynamics in CdS@CN Core-Shell Nanowires. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 47418-47439	9.5	11
13	Spin filtering with poly-T wrapped single wall carbon nanotubes. <i>Nanoscale</i> , <b>2017</b> , 9, 5155-5163	7.7	10
12	Remarkable self-organization and unusual conductivity behavior in cellulose nanocrystal-PEDOT: PSS nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 1390-1399	2.1	10
11	Harvesting Hot Holes in Plasmon-Coupled Ultrathin Photoanodes for High-Performance Photoelectrochemical Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 42741-42752	9.5	9
10	CVD grown nitrogen doped graphene is an exceptional visible-light driven photocatalyst for surface catalytic reactions. <i>2D Materials</i> , <b>2020</b> , 7, 015002	5.9	6

9	Synthesis and Characterization of Zinc Phthalocyanine-Cellulose Nanocrystal (CNC) Conjugates: Toward Highly Functional CNCs. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 43992-44006	9.5	4
8	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 &amp; Interfaces</i> , <b>2021</b> , 13, 4340-4351	9.5	4
7	Long Carbon Nanotubes Functionalized with DNA and Implications for Spintronics. <i>ACS Omega</i> , <b>2018</b> , 3, 17108-17115	3.9	3
6	Mapping the surface potential, charge density and adhesion of cellulose nanocrystals using advanced scanning probe microscopy. <i>Carbohydrate Polymers</i> , <b>2020</b> , 246, 116393	10.3	2
5	Effect of morphology on the photoelectrochemical performance of nanostructured CuO photocathodes. <i>Nanotechnology</i> , <b>2021</b> , 32,	3.4	1
4	High Density Integration of Carbon Nanotube Spin Valves <b>2011</b> ,		1
3	Water-splitting photoelectrodes consisting of heterojunctions of carbon nitride with a-type low bandgap double perovskite oxide. <i>Nanotechnology</i> , <b>2021</b> , 32,	3.4	1
2	Hot hole transfer from Ag nanoparticles to multiferroic YMn <sub>2</sub> O <sub>5</sub> nanowires enables superior photocatalytic activity. <i>Journal of Materials Chemistry C</i> , <b>2022</b> , 10, 4128-4139	7.1	0
1	Spin Filtering with Helical Potentials. <i>Materials and Energy</i> , <b>2018</b> , 131-172		