Abdulaziz S R Bati

List of Publications by Year
in descending order

22	976	471509 17	713466 21
papers	citations	h-index	g-index

22	22	22	1337
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nitrogen-doped phosphorene for electrocatalytic ammonia synthesis. Journal of Materials Chemistry A, 2020, 8, 15875-15883.	10.3	88
2	Highly Dispersed Ru Nanoparticles on Boronâ€Doped Ti₃C₂T_x (MXene) Nanosheets for Synergistic Enhancement of Electrocatalytic Hydrogen Evolution. Small, 2021, 17, e2102218.	10.0	83
3	Emerging 2D Layered Materials for Perovskite Solar Cells. Advanced Energy Materials, 2020, 10, 1902253.	19.5	79
4	Ti₃C₂T_x (MXene)â€Silicon Heterojunction for Efficient Photovoltaic Cells. Advanced Energy Materials, 2019, 9, 1901063.	19.5	68
5	Recent Advances in Applications of Sorted Singleâ€Walled Carbon Nanotubes. Advanced Functional Materials, 2019, 29, 1902273.	14.9	67
6	Ambient Fabrication of Organicâ€“Inorganic Hybrid Perovskite Solar Cells. Small Methods, 2021, 5, e2000744.	8.6	63
7	Synthesis, purification, properties and characterization of sorted single-walled carbon nanotubes. Nanoscale, 2018, 10, 22087-22139.	5.6	62
8	Efficient Production of Phosphorene Nanosheets via Shear Stress Mediated Exfoliation for Lowâ€Temperature Perovskite Solar Cells. Small Methods, 2019, 3, 1800521.	8.6	58
9	Surface oxidized two-dimensional antimonene nanosheets for electrochemical ammonia synthesis under ambient conditions. Journal of Materials Chemistry A, 2020, 8, 4735-4739.	10.3	57
10	Microwave-assisted synthesis of black phosphorus quantum dots: efficient electrocatalyst for oxygen evolution reaction. Journal of Materials Chemistry A, 2019, 7, 12974-12978.	10.3	56
11	Multifunctional nanostructured materials for next generation photovoltaics. Nano Energy, 2020, 70, 104480.	16.0	52
12	Plasmonic Gold Nanostars Incorporated into Highâ€Efficiency Perovskite Solar Cells. ChemSusChem, 2017, 10, 3750-3753.	6.8	39
13	Electrically Sorted Single-Walled Carbon Nanotubes-Based Electron Transporting Layers for Perovskite Solar Cells. IScience, 2019, 14, 100-112.	4.1	36
14	1Dâ€2D Synergistic MXeneâ€Nanotubes Hybrids for Efficient Perovskite Solar Cells. Small, 2021, 17, e2101925.	10.0	34
15	Efficiency and stability enhancement of perovskite solar cells using reduced graphene oxide derived from earth-abundant natural graphite. RSC Advances, 2020, 10, 9133-9139.	3.6	33
16	Few-layer black phosphorus and boron-doped graphene based heteroelectrocatalyst for enhanced hydrogen evolution. Journal of Materials Chemistry A, 2020, 8, 20446-20452.	10.3	32
17	Cesium-doped Ti3C2Tx MXene for efficient and thermally stable perovskite solar cells. Cell Reports Physical Science, 2021, 2, 100598.	5.6	29
18	Elemental 2D Materials: Solutionâ€Processed Synthesis and Applications in Electrochemical Ammonia Production. Advanced Functional Materials, 2022, 32, 2107280.	14.9	20

#	Article	IF	Citations
19	Poly(thiourea triethylene glycol) as a multifunctional binder for enhanced performance in lithium-sulfur batteries. Green Energy and Environment, 2022, 7, 1206-1216.	8.7	10
20	Sulfur-Functionalized Titanium Carbide Ti₃C₂T_x (MXene) Nanosheets Modified Light Absorbers for Ambient Fabrication of Sb₂S₃ Solar Cells. ACS Applied Nano Materials, 2022, 5, 12107-12116.	5.0	7
21	Exfoliated 2D Antimoneneâ€Based Structures for Lightâ€Harvesting Photoactive Layer of Highly Stable Solar Cells. Small Structures, 0, , 2200038.	12.0	2
22	Preparation of Hybrid Molybdenum Disulfide/Single Wall Carbon Nanotubeâ€“n-Type Silicon Solar Cells. Applied Sciences (Switzerland), 2020, 10, 287.	2.5	1