

Abdulaziz S R Bati

List of Publications by Year in descending order

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papers

976
citations

471509

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times ranked

1337
citing authors

#	ARTICLE	IF	CITATIONS
1	Poly(thiourea triethylene glycol) as a multifunctional binder for enhanced performance in lithium-sulfur batteries. <i>Green Energy and Environment</i> , 2022, 7, 1206-1216.	8.7	10
2	Elemental 2D Materials: Solution-Processed Synthesis and Applications in Electrochemical Ammonia Production. <i>Advanced Functional Materials</i> , 2022, 32, 2107280.	14.9	20
3	Sulfur-Functionalized Titanium Carbide $Ti_3C_2T_x$ (MXene) Nanosheets Modified Light Absorbers for Ambient Fabrication of Sb_2S_3 Solar Cells. <i>ACS Applied Nano Materials</i> , 2022, 5, 12107-12116.	5.0	7
4	Ambient Fabrication of Organic-Inorganic Hybrid Perovskite Solar Cells. <i>Small Methods</i> , 2021, 5, e2000744.	8.6	63
5	1D-2D Synergistic MXene-Nanotubes Hybrids for Efficient Perovskite Solar Cells. <i>Small</i> , 2021, 17, e2101925.	10.0	34
6	Highly Dispersed Ru Nanoparticles on Boron-Doped $Ti_3C_2T_x$ (MXene) Nanosheets for Synergistic Enhancement of Electrocatalytic Hydrogen Evolution. <i>Small</i> , 2021, 17, e2102218.	10.0	83
7	Cesium-doped $Ti_3C_2T_x$ MXene for efficient and thermally stable perovskite solar cells. <i>Cell Reports Physical Science</i> , 2021, 2, 100598.	5.6	29
8	Emerging 2D Layered Materials for Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2020, 10, 1902253.	19.5	79
9	Preparation of Hybrid Molybdenum Disulfide/Single Wall Carbon Nanotube-n-Type Silicon Solar Cells. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 287.	2.5	1
10	Few-layer black phosphorus and boron-doped graphene based heteroelectrocatalyst for enhanced hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2020, 8, 20446-20452.	10.3	32
11	Nitrogen-doped phosphorene for electrocatalytic ammonia synthesis. <i>Journal of Materials Chemistry A</i> , 2020, 8, 15875-15883.	10.3	88
12	Efficiency and stability enhancement of perovskite solar cells using reduced graphene oxide derived from earth-abundant natural graphite. <i>RSC Advances</i> , 2020, 10, 9133-9139.	3.6	33
13	Surface oxidized two-dimensional antimonene nanosheets for electrochemical ammonia synthesis under ambient conditions. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4735-4739.	10.3	57
14	Multifunctional nanostructured materials for next generation photovoltaics. <i>Nano Energy</i> , 2020, 70, 104480.	16.0	52
15	$Ti_3C_2T_x$ (MXene)-Silicon Heterojunction for Efficient Photovoltaic Cells. <i>Advanced Energy Materials</i> , 2019, 9, 1901063.	19.5	68
16	Microwave-assisted synthesis of black phosphorus quantum dots: efficient electrocatalyst for oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12974-12978.	10.3	56
17	Recent Advances in Applications of Sorted Single-Walled Carbon Nanotubes. <i>Advanced Functional Materials</i> , 2019, 29, 1902273.	14.9	67
18	Electrically Sorted Single-Walled Carbon Nanotubes-Based Electron Transporting Layers for Perovskite Solar Cells. <i>IScience</i> , 2019, 14, 100-112.	4.1	36

#	ARTICLE	IF	CITATIONS
19	Efficient Production of Phosphorene Nanosheets via Shear Stress Mediated Exfoliation for Low-Temperature Perovskite Solar Cells. <i>Small Methods</i> , 2019, 3, 1800521.	8.6	58
20	Synthesis, purification, properties and characterization of sorted single-walled carbon nanotubes. <i>Nanoscale</i> , 2018, 10, 22087-22139.	5.6	62
21	Plasmonic Gold Nanostars Incorporated into High-Efficiency Perovskite Solar Cells. <i>ChemSusChem</i> , 2017, 10, 3750-3753.	6.8	39
22	Exfoliated 2D Antimonene-Based Structures for Light-Harvesting Photoactive Layer of Highly Stable Solar Cells. <i>Small Structures</i> , 0, , 2200038.	12.0	2