

Sulaman Muhammad

List of Publications by Year in descending order

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28
papers

2,469
citations

394390

19
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501174

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docs citations

28
times ranked

2347
citing authors

#	ARTICLE	IF	CITATIONS
1	Growth of High Mobility InN Film on GaPolar GaN Substrate by Molecular Beam Epitaxy for Optoelectronic Device Applications. <i>Advanced Materials Interfaces</i> , 2023, 10, .	3.7	11
2	Assessing the performance of sustainable entrepreneurship and environmental corporate social responsibility: revisited environmental nexus from business firms. <i>Environmental Science and Pollution Research</i> , 2022, 29, 21426-21439.	5.3	10
3	Phase-Field Simulation of Superconductor-Ferromagnet Bilayer-Based Cryogenic Strain Sensor. <i>Journal of Superconductivity and Novel Magnetism</i> , 2022, 35, 409-414.	1.8	2
4	Machineâ€Learning Analysis of Smallâ€Molecule Donors for Fullerene Based Organic Solar Cells. <i>Energy Technology</i> , 2022, 10, .	3.8	42
5	Industrial structure, energy intensity and environmental efficiency across developed and developing economies: The intermediary role of primary, secondary and tertiary industry. <i>Energy</i> , 2022, 247, 123576.	8.8	80
6	Hybrid Bulkâ€Heterojunction of Colloidal Quantum Dots and Mixedâ€Halide Perovskite Nanocrystals for Highâ€Performance Selfâ€Powered Broadband Photodetectors. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	69
7	Hybrid Nanocomposites of Allâ€Inorganic Halide Perovskites with Polymers for Highâ€Performance Fieldâ€Effectâ€Transistorâ€Based Photodetectors: An Experimental and Simulation Study. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	19
8	Rule of law and CO2 emissions: A comparative analysis across 65 belt and road initiative(BRI) countries. <i>Journal of Cleaner Production</i> , 2021, 279, 123539.	9.3	118
9	Modeling and simulation of high-efficiency GaAs PIN solar cells. <i>Journal of Computational Electronics</i> , 2021, 20, 310-316.	2.5	17
10	How well has economic strategy changed CO2 emissions? Evidence from China's largest emission province. <i>Science of the Total Environment</i> , 2021, 774, 146575.	8.0	20
11	Is centralization killing innovation? The success story of technological innovation in fiscally decentralized countries. <i>Technological Forecasting and Social Change</i> , 2021, 168, 120731.	11.6	35
12	The heterogeneous effects of different technological innovations on eco-efficiency: Evidence from 30 Chinaâ€™s provinces. <i>Ecological Indicators</i> , 2021, 127, 107802.	6.3	52
13	Ultra-sensitive solution-processed broadband photodetectors based on vertical field-effect transistor. <i>Nanotechnology</i> , 2020, 31, 105203.	2.6	30
14	The dynamic impact of natural resources, technological innovations and economic growth on ecological footprint: An advanced panel data estimation. <i>Resources Policy</i> , 2020, 69, 101817.	9.6	409
15	Interlayer of PMMA Doped with Au Nanoparticles for High-Performance Tandem Photodetectors: A Solution to Suppress Dark Current and Maintain High Photocurrent. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 26153-26160.	8.0	51
16	Solutionâ€Processed, Selfâ€Powered Broadband CH ₃ NH ₃ PbI ₃ Photodetectors Driven by Asymmetric Electrodes. <i>Advanced Optical Materials</i> , 2020, 8, 2000215.	7.3	32
17	China's seaborne oil import and shipping emissions: The prospect of belt and road initiative. <i>Marine Pollution Bulletin</i> , 2020, 158, 111422.	5.0	18
18	Effect of urbanization and international trade on CO2 emissions across 65 belt and road initiative countries. <i>Energy</i> , 2020, 196, 117102.	8.8	265

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19	COVID-19 pandemic and environmental pollution: A blessing in disguise?. <i>Science of the Total Environment</i> , 2020, 728, 138820.	8.0	741
20	Surface Engineering of All-Inorganic Perovskite Quantum Dots with Quasi Core-Shell Technique for High-Performance Photodetectors. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000360.	3.7	34
21	High-performance solution-processed colloidal quantum dots-based tandem broadband photodetectors with dielectric interlayer. <i>Nanotechnology</i> , 2019, 30, 465203.	2.6	30
22	A Multidirectional-Difference-Hash-Based Image Clutter Metric for Targeting Performance. <i>IEEE Photonics Journal</i> , 2019, 11, 1-10.	2.0	3
23	Different impacts of export and import on carbon emissions across 7 ASEAN countries: A panel quantile regression approach. <i>Science of the Total Environment</i> , 2019, 686, 1019-1029.	8.0	209
24	Influence of the Post-Synthesis Annealing on Device Performance of PbS Quantum Dot Photoconductive Detectors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1800408.	1.8	4
25	Enhanced performance of solution-processed broadband photodiodes by epitaxially blending MAPbBr ₃ quantum dots and ternary PbS _x Se _{1-x} quantum dots as the active layer. <i>Nanotechnology</i> , 2017, 28, 505501.	2.6	30
26	Charge Carrier Conduction Mechanism in PbS Quantum Dot Solar Cells: Electrochemical Impedance Spectroscopy Study. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 18526-18533.	8.0	59
27	High performance solution-processed infrared photodetector based on PbSe quantum dots doped with low carrier mobility polymer poly(N-vinylcarbazole). <i>RSC Advances</i> , 2016, 6, 44514-44521.	3.6	41
28	High performance solution-processed infrared photodiode based on ternary PbS _x Se _{1-x} colloidal quantum dots. <i>RSC Advances</i> , 2016, 6, 87730-87737.	3.6	38