

Muhammad Tahir

List of Publications by Year in descending order

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28
papers

455
citations

840776

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28
all docs

28
docs citations

28
times ranked

428
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of piezoelectric energy harvesting system and application of optimization techniques to enhance the performance of the harvesting system. <i>Sensors and Actuators A: Physical</i> , 2019, 300, 111634.	4.1	119
2	Humidity, light and temperature dependent characteristics of Au/N-BuHHPDI/Au surface type multifunctional sensor. <i>Sensors and Actuators B: Chemical</i> , 2014, 192, 565-571.	7.8	35
3	Fabrication and Photovoltaic Properties of Organic Solar Cell Based on Zinc Phthalocyanine. <i>Energies</i> , 2020, 13, 962.	3.1	35
4	The electrical characterization of Ag/PTCDA/PEDOT:PSS/p-Si Schottky diode by current-voltage characteristics. <i>Physica B: Condensed Matter</i> , 2013, 415, 77-81.	2.7	27
5	Cadmium selenide quantum dots: Synthesis, characterization and their humidity and temperature sensing properties with poly-(dioctylfluorene). <i>Sensors and Actuators B: Chemical</i> , 2019, 285, 504-512.	7.8	27
6	Perylene diimide: Synthesis, fabrication and temperature dependent electrical characterization of heterojunction with p-silicon. <i>Physica B: Condensed Matter</i> , 2013, 426, 6-12.	2.7	21
7	ENHANCEMENT IN THE SENSING PROPERTIES OF METHYL ORANGE THIN FILM BY TiO ₂ NANOPARTICLES. <i>International Journal of Modern Physics B</i> , 2014, 28, 1450032.	2.0	21
8	Electrical characterization of cobalt phthalocyanine/n-Si heterojunction. <i>Synthetic Metals</i> , 2014, 198, 175-180.	3.9	18
9	Electrical characterization of cobalt phthalocyanine/p-silicon heterojunction. <i>Materials Science in Semiconductor Processing</i> , 2014, 26, 101-106.	4.0	17
10	Sensing Properties of Cobalt-Phthalocyanine-Based Multipurpose Sensor. <i>Journal of Electronic Materials</i> , 2017, 46, 2045-2052.	2.2	16
11	Synergistic enhancement in the microelectronic properties of poly-(dioctylfluorene) based Schottky devices by CdSe quantum dots. <i>Scientific Reports</i> , 2020, 10, 4828.	3.3	14
12	Amino Anthraquinone: Synthesis, Characterization, and Its Application as an Active Material in Environmental Sensors. <i>Materials</i> , 2020, 13, 960.	2.9	12
13	Cuprous Oxide Nanoparticles: Synthesis, Characterization, and Their Application for Enhancing the Humidity-Sensing Properties of Poly(dioctylfluorene). <i>Polymers</i> , 2022, 14, 1503.	4.5	12
14	Thickness Optimization and Photovoltaic Properties of Bulk Heterojunction Solar Cells Based on PFB-PCBM Layer. <i>Energies</i> , 2020, 13, 5915.	3.1	11
15	Photovoltaic effect on the microelectronic properties of perylene/p-Si heterojunction devices. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 19463-19470.	2.2	8
16	Amplified Spontaneous Emission and Optical Gain in Organic Single Crystal Quinquethiophene. <i>Crystals</i> , 2019, 9, 609.	2.2	8
17	Perylene Tetracarboxylic Diimide: Characterization and Its Role in the Electrical Properties of an Ag/N-BuHHPDI/PEDOT:PSS/p-Si Heterojunction Device. <i>Journal of Electronic Materials</i> , 2020, 49, 395-401.	2.2	8
18	Fabrication and Microelectronic Properties of Hybrid Organic-Inorganic (poly(9,9)-Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (dioctyl) 2020, 10, 7974.	2.5	8

#	ARTICLE	IF	CITATIONS
19	A Hybrid Optimization Approach for the Enhancement of Efficiency of a Piezoelectric Energy Harvesting System. <i>Electronics (Switzerland)</i> , 2021, 10, 75.	3.1	8
20	THE ELECTRICAL CHARACTERIZATION OF $\text{Ag}/\text{N}-\text{BuHPDI}/\text{p}-\text{Si}$ HETEROJUNCTION BY CURRENT-VOLTAGE CHARACTERISTICS. <i>Modern Physics Letters B</i> , 2013, 27, 1350080.	1.9	7
21	THE SENSING OF HUMIDITY BY SURFACE-TYPE $\text{Ag}/\text{FORMYL-TIPPCu(II)}/\text{Ag}$ SENSOR FOR ENVIRONMENTAL MONITORING. <i>Surface Review and Letters</i> , 2014, 21, 1450048.	1.1	5
22	Pyrrrol-Anthracene: Synthesis, Characterization and Its Application as Active Material in Humidity, Temperature and Light Sensors. <i>Coatings</i> , 2022, 12, 848.	2.6	5
23	HUMIDITY AND TEMPERATURE DEPENDENT CHARACTERISTICS OF $\text{Ag}/\text{SnNcCl}_2/\text{Ag}$ SURFACE TYPE MULTIFUNCTIONAL SENSOR. <i>Surface Review and Letters</i> , 2020, 27, 1950148.	1.1	4
24	Enhancement in the Microelectronic Properties of a PFB/CdSe Quantum Dots Nanocomposite Based Schottky Barrier Diode. <i>Journal of Electronic Materials</i> , 2019, 48, 5169-5175.	2.2	3
25	Improvement of capacitive humidity sensors using tris(8-hydroxyquinoline) gallium (Gaq_3) nanofibers as a dielectric layer. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 21702-21710.	2.2	3
26	Vibration based energy harvesting system for mobile device charging. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2021, 65, 149-169.	0.6	2
27	Amplified spontaneous emission and optical gain characteristics of sexithiophene single crystals. <i>Optical Materials</i> , 2020, 100, 109695.	3.6	1
28	Temperature dependant electrical properties of formyl- $\text{TIPPCu(II)}/\text{p}-\text{Si}$ heterojunction diode. <i>Modern Physics Letters B</i> , 2014, 28, 1450100.	1.9	0