

Muhammad Tahir

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	Pyrrol-Anthracene: Synthesis, Characterization and Its Application as Active Material in Humidity, Temperature and Light Sensors. <i>Coatings</i> , 2022, 12, 848.	2.6	5
3	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
4	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
5	HUMIDITY AND TEMPERATURE DEPENDENT CHARACTERISTICS OF Ag/SnNcCl ₂ /Ag SURFACE TYPE MULTIFUNCTIONAL SENSOR. <i>Surface Review and Letters</i> , 2020, 27, 1950148.	1.1	4
6	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
7	Improvement of capacitive humidity sensors using tris(8-hydroxyquinoline) gallium (Ga ₃) nanofibers as a dielectric layer. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 21702-21710.	2.2	3
8	Fabrication and Microelectronic Properties of Hybrid Organic-Inorganic (poly(9,9)-Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (dioc 2020, 10, 7974.	2.5	8
9	Thickness Optimization and Photovoltaic Properties of Bulk Heterojunction Solar Cells Based on PFB-PCBM Layer. <i>Energies</i> , 2020, 13, 5915.	3.1	11
10	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
11	Fabrication and Photovoltaic Properties of Organic Solar Cell Based on Zinc Phthalocyanine. <i>Energies</i> , 2020, 13, 962.	3.1	35
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	Amplified spontaneous emission and optical gain characteristics of sexithiophene single crystals. <i>Optical Materials</i> , 2020, 100, 109695.	3.6	1
14	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
15	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
16	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
17	Amplified Spontaneous Emission and Optical Gain in Organic Single Crystal Quinquethiophene. <i>Crystals</i> , 2019, 9, 609.	2.2	8
18	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

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19	Sensing Properties of Cobalt-Phthalocyanine-Based Multipurpose Sensor. Journal of Electronic Materials, 2017, 46, 2045-2052.	2.2	16
20	THE SENSING OF HUMIDITY BY SURFACE-TYPE Ag/FORMYL-TIPPCu(II)/Ag SENSOR FOR ENVIRONMENTAL MONITORING. Surface Review and Letters, 2014, 21, 1450048.	1.1	5
21	ENHANCEMENT IN THE SENSING PROPERTIES OF METHYL ORANGE THIN FILM BY TiO_2 NANOPARTICLES. International Journal of Modern Physics B, 2014, 28, 1450032.	2.0	21
22	Temperature dependant electrical properties of formyl-TIPPCu(II)/p-Si heterojunction diode. Modern Physics Letters B, 2014, 28, 1450100.	1.9	0
23	Electrical characterization of cobalt phthalocyanine/p-silicon heterojunction. Materials Science in Semiconductor Processing, 2014, 26, 101-106.	4.0	17
24	Electrical characterization of cobalt phthalocyanine/n-Si heterojunction. Synthetic Metals, 2014, 198, 175-180.	3.9	18
25	Humidity, light and temperature dependent characteristics of Au/N-BuHHPDI/Au surface type multifunctional sensor. Sensors and Actuators B: Chemical, 2014, 192, 565-571.	7.8	35
26	THE ELECTRICAL CHARACTERIZATION OF Ag/N-BuHHPDI/p-Si HETEROJUNCTION BY CURRENT-VOLTAGE CHARACTERISTICS. Modern Physics Letters B, 2013, 27, 1350080.	1.9	7
27	Perylene diimide: Synthesis, fabrication and temperature dependent electrical characterization of heterojunction with p-silicon. Physica B: Condensed Matter, 2013, 426, 6-12.	2.7	21
28	The electrical characterization of Ag/PTCDA/PEDOT:PSS/p-Si Schottky diode by current-voltage characteristics. Physica B: Condensed Matter, 2013, 415, 77-81.	2.7	27