

Zubair Ahmad

List of Publications by Year in descending order

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158
papers

2,993
citations

159358

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all docs

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docs citations

161
times ranked

2934
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic Thin-Film Capacitive and Resistive Humidity Sensors: A Focus Review. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800969.	1.9	139
2	A review on lithium recovery using electrochemical capturing systems. <i>Desalination</i> , 2021, 500, 114883.	4.0	96
3	Instability in CH ₃ NH ₃ PbI ₃ perovskite solar cells due to elemental migration and chemical composition changes. <i>Scientific Reports</i> , 2017, 7, 15406.	1.6	95
4	Extraction of electronic parameters of Schottky diode based on an organic semiconductor methyl-red. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009, 41, 631-634.	1.3	77
5	Multifunctional self-healing polymeric nanocomposite coatings for corrosion inhibition of steel. <i>Surface and Coatings Technology</i> , 2019, 372, 121-133.	2.2	74
6	Performance optimization of CH ₃ NH ₃ Pb(1-x)Br _x I ₃ based perovskite solar cells by comparing different ETL materials through conduction band offset engineering. <i>Optical Materials</i> , 2020, 105, 109897.	1.7	74
7	A Humidity Sensing Organic-Inorganic Composite for Environmental Monitoring. <i>Sensors</i> , 2013, 13, 3615-3624.	2.1	73
8	PLA-TiO ₂ nanocomposites: Thermal, morphological, structural, and humidity sensing properties. <i>Ceramics International</i> , 2018, 44, 16507-16513.	2.3	73
9	Humidity-dependent characteristics of methyl-red thin film-based Ag/methyl-red/Ag surface-type cell. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 41, 18-22.	1.3	70
10	Nanostructured chromium-based broadband absorbers and emitters to realize thermally stable solar thermophotovoltaic systems. <i>Nanoscale</i> , 2022, 14, 6425-6436.	2.8	69
11	Sodium intercalation/de-intercalation mechanism in Na ₄ MnV(PO ₄) ₃ cathode materials. <i>Electrochimica Acta</i> , 2018, 292, 98-106.	2.6	61
12	Electrochemical Impedance Spectroscopy Analysis of Hole Transporting Material Free Mesoporous and Planar Perovskite Solar Cells. <i>Nanomaterials</i> , 2020, 10, 1635.	1.9	54
13	Effect of BaTiO ₃ on the sensing properties of PVDF composite-based capacitive humidity sensors. <i>Ceramics International</i> , 2020, 46, 2949-2953.	2.3	52
14	Influence of humidity conditions on the capacitive and resistive response of an Al/VOPc/Pt co-planar humidity sensor. <i>Measurement Science and Technology</i> , 2012, 23, 014001.	1.4	48
15	Facile preparation of N-S co-doped graphene quantum dots (GQDs) from graphite waste for efficient humidity sensing. <i>Sensors and Actuators B: Chemical</i> , 2021, 328, 129058.	4.0	48
16	A novel classification of prostate specific antigen (PSA) biosensors based on transducing elements. <i>Talanta</i> , 2017, 168, 52-61.	2.9	44
17	Humidity sensor based on electrospun MEH-PPV:PVP microstructured composite. <i>RSC Advances</i> , 2016, 6, 35387-35393.	1.7	43
18	Influence of thermal annealing on a capacitive humidity sensor based on newly synthesized macroporous PBObzT ₂ . <i>Sensors and Actuators B: Chemical</i> , 2016, 235, 146-153.	4.0	37

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19	Improvement of humidity sensing properties of PVDF-TiO ₂ nanocomposite films using acetone etching. <i>Sensors and Actuators B: Chemical</i> , 2019, 288, 408-413.	4.0	37
20	Investigation of VOPcPhO as an acceptor material for bulk heterojunction solar cells. <i>Organic Electronics</i> , 2012, 13, 2532-2537.	1.4	36
21	Sensing performance optimization by tuning surface morphology of organic (D- π -A) dye based humidity sensor. <i>Sensors and Actuators B: Chemical</i> , 2016, 231, 30-37.	4.0	36
22	Synthesis and properties of polyelectrolyte multilayered microcapsules reinforced smart coatings. <i>Journal of Materials Science</i> , 2019, 54, 12079-12094.	1.7	36
23	Effect of annealing temperature on the performance of printable carbon electrodes for perovskite solar cells. <i>Organic Electronics</i> , 2019, 65, 375-380.	1.4	35
24	Potential of 5,10,15,20-Tetrakis(3,5-di-tertbutylphenyl)porphyrinatocopper(II) for a multifunctional sensor. <i>Sensors and Actuators B: Chemical</i> , 2011, 155, 81-85.	4.0	34
25	Development and Properties of Polymeric Nanocomposite Coatings. <i>Polymers</i> , 2019, 11, 852.	2.0	34
26	Limits and possible solutions in quantum dot organic solar cells. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 1551-1564.	8.2	33
27	Employment of single-diode model to elucidate the variations in photovoltaic parameters under different electrical and thermal conditions. <i>PLoS ONE</i> , 2017, 12, e0182925.	1.1	32
28	The Dawn of Metadevices: From Contemporary Designs to Exotic Applications. <i>Advanced Devices & Instrumentation</i> , 2022, 2022, .	4.0	32
29	Fabrication of polyaniline-graphene/polystyrene nanocomposites for flexible gas sensors. <i>RSC Advances</i> , 2019, 9, 12496-12506.	1.7	31
30	Characterization of vanadyl phthalocyanine based surface-type capacitive humidity sensors. <i>Journal of Semiconductors</i> , 2010, 31, 114002.	2.0	30
31	Low-Toxic, Earth-Abundant Nanostructured Materials for Thermoelectric Applications. <i>Nanomaterials</i> , 2021, 11, 895.	1.9	29
32	Carbon nanotubes TM nanocomposite in humidity sensors. <i>Solid-State Electronics</i> , 2012, 69, 18-21.	0.8	28
33	A MEHPPV/VOPcPhO composite based diode as a photodetector. <i>Sensors and Actuators A: Physical</i> , 2014, 206, 138-143.	2.0	28
34	Optimization of ITO glass/TiO ₂ based DSSC photo-anodes through electrophoretic deposition and sintering techniques. <i>Ceramics International</i> , 2017, 43, 10540-10545.	2.3	28
35	Humidity dependent electrical properties of an organic material DMBHPET. <i>Measurement: Journal of the International Measurement Confederation</i> , 2015, 61, 180-184.	2.5	27
36	MEH-PPV/Alq ₃ -based bulk heterojunction photodetector. <i>Chinese Physics B</i> , 2013, 22, 100701.	0.7	26

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37	Electrical characteristics of poly(methylsilsequioxane) thin films for non-volatile memory. Solid State Communications, 2011, 151, 297-300.	0.9	25
38	Numerical simulation analysis towards the effect of charge transport layers electrical properties on cesium based ternary cation perovskite solar cells performance. Solar Energy, 2021, 225, 842-850.	2.9	25
39	Temperature-sensitive chemical cell based on Nickel (II) phthalocyanine-tetrasulfonic acid tetrasodium salt. Sensors and Actuators A: Physical, 2012, 179, 146-150.	2.0	24
40	Bulk heterojunction photodiode: To detect the whole visible spectrum. Measurement: Journal of the International Measurement Confederation, 2013, 46, 2073-2076.	2.5	24
41	Review on two-terminal and four-terminal crystalline-silicon/perovskite tandem solar cells; progress, challenges, and future perspectives. Energy Reports, 2022, 8, 5820-5851.	2.5	24
42	One-dimensional facile growth of MAPbI ₃ perovskite micro-rods. RSC Advances, 2019, 9, 11589-11594.	1.7	23
43	Exploiting zirconium nitride for an efficient heat-resistant absorber and emitter pair for solar thermophotovoltaic systems. Optics Express, 2021, 29, 31537.	1.7	23
44	Capacitive type humidity sensor based on PANI decorated Cu@ZnS porous microspheres. Talanta, 2020, 219, 121361.	2.9	22
45	Synthesis and Performance of Large-Scale Cost-Effective Environment-Friendly Nanostructured Thermoelectric Materials. Nanomaterials, 2021, 11, 1091.	1.9	22
46	Combined influence of carrier mobility and dielectric constant on the performance of organic bulk heterojunction solar cells. AIP Advances, 2014, 4, .	0.6	21
47	Novel pressure and displacement sensors based on carbon nanotubes. Chinese Physics B, 2015, 24, 018801.	0.7	21
48	Compositional engineering of the pi-conjugated small molecular VOPcPhO-Alq ₃ complex to boost humidity sensing. RSC Advances, 2017, 7, 19780-19786.	1.7	21
49	Stability of organometal halide perovskite solar cells and role of HTMs: recent developments and future directions. RSC Advances, 2018, 8, 20952-20967.	1.7	21
50	Fuzzy-Based Approach Using IoT Devices for Smart Home to Assist Blind People for Navigation. Sensors, 2020, 20, 3674.	2.1	21
51	Organic-inorganic hybrid nanocomposite for enhanced photo-sensing of PFO-DBT:MEH-PPV:PC71BM blend-based photodetector. Journal of Nanoparticle Research, 2015, 17, 1.	0.8	20
52	Humidity sensor based on poly(lactic acid)/PANI@ZnO composite electrospun fibers. RSC Advances, 2021, 11, 28735-28743.	1.7	20
53	Electrical Characteristics of Al/CNT/NiPc/PEPC/Ag Surface-Type Cell. Chinese Physics Letters, 2010, 27, 106102.	1.3	19
54	Analytical expression for the current-voltage characteristics of organic bulk heterojunction solar cells. AIP Advances, 2015, 5, .	0.6	19

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55	A Solution-Based Temperature Sensor Using the Organic Compound CuTsPc. <i>Sensors</i> , 2014, 14, 9878-9888.	2.1	18
56	Stability in 3D and 2D/3D hybrid perovskite solar cells studied by EFISHG and IS techniques under light and heat soaking. <i>Organic Electronics</i> , 2019, 66, 7-12.	1.4	18
57	Modification of Optical Band Gap and Surface Morphology of NiTsPc Thin Films. <i>Chinese Physics Letters</i> , 2012, 29, 126802.	1.3	17
58	PFO-DBT:MEH-PPV:PC71BM Ternary Blend Assisted Platform as a Photodetector. <i>Sensors</i> , 2015, 15, 965-978.	2.1	17
59	Morphological and structural properties of VoPcPhO:P3HT composite thin films. <i>Materials Letters</i> , 2016, 164, 605-608.	1.3	17
60	Electrical equivalent circuit (EEC) based impedance spectroscopy analysis of HTM free perovskite solar cells. <i>Journal of Electroanalytical Chemistry</i> , 2020, 871, 114294.	1.9	17
61	VOPcPhO based organic pressure sensor and displacement transducer. <i>Synthetic Metals</i> , 2014, 191, 120-125.	2.1	16
62	Growth of MAPbBr ₃ perovskite crystals and its interfacial properties with Al and Ag contacts for perovskite solar cells. <i>Optical Materials</i> , 2017, 73, 50-55.	1.7	16
63	Synthesis and performance evaluation of nanostructured NaFexCr1 ⁺ X(SO ₄) ₂ cathode materials in sodium ion batteries (SIBs). <i>RSC Advances</i> , 2018, 8, 32985-32991.	1.7	16
64	Photo-organic field effect transistor based on a metalloporphyrin. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 105112.	1.3	15
65	Humidity sensitive organic field effect transistor. <i>Journal of Semiconductors</i> , 2010, 31, 054001.	2.0	15
66	Binary blend based dye sensitized photo sensor using PCPDTBT and MEH-PPV composite as a light sensitizer. <i>Synthetic Metals</i> , 2015, 210, 392-397.	2.1	15
67	Surface-type nonvolatile electric memory elements based on organic-on-organic CuPc-H ₂ Pc heterojunction. <i>Chinese Physics B</i> , 2015, 24, 116102.	0.7	15
68	Effect of ambient temperature on the efficiency of the PCPDTBT: PC71BM BHJ solar cells. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	15
69	Synthesis of In Situ Photoinduced Halloysite-Polypyrrole@Silver Nanocomposite for the Potential Application in Humidity Sensors. <i>Nanomaterials</i> , 2020, 10, 1426.	1.9	15
70	Assessing mobile ions contributions to admittance spectra and current-voltage characteristics of 3D and 2D/3D perovskite solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2020, 215, 110670.	3.0	15
71	Enhancement of electronic and charge transport properties of NiPc by potassium-tetrasulpho group. <i>Physica B: Condensed Matter</i> , 2013, 413, 21-23.	1.3	14
72	Compositional engineering of VOPcPhO-TiO ₂ nano-composite to reduce the absolute threshold value of humidity sensors. <i>Talanta</i> , 2017, 174, 279-284.	2.9	14

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73	Spectroscopic and microscopic studies of thermally treated Vanadyl 2,9,16,23-tetraphenoxy-29H,31H-phthalocyanine thin films. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012, 44, 1815-1819.	1.3	13
74	Improvement in the photovoltaic properties of hybrid solar cells by incorporating a QD-composite in the hole transport layer. <i>RSC Advances</i> , 2016, 6, 23048-23057.	1.7	13
75	Long-Term Stability Analysis of 3D and 2D/3D Hybrid Perovskite Solar Cells Using Electrochemical Impedance Spectroscopy. <i>Molecules</i> , 2020, 25, 5794.	1.7	13
76	Enhancement of optical features and sensitivity of MEH-PPV/VOPcPhO photodetector using CdSe quantum dots. <i>Journal of Luminescence</i> , 2016, 180, 209-213.	1.5	12
77	Flexible organic photo-thermogalvanic cell for low power applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 2442-2447.	1.1	12
78	VOPcPhO:P3HT composite micro-structures with nano-porous surface morphology. <i>Applied Surface Science</i> , 2017, 399, 426-431.	3.1	12
79	Development of pressure-sensitive thermo-electric cell using graphene and n-Bi ₂ Te ₃ . <i>Emergent Materials</i> , 2019, 2, 387-390.	3.2	12
80	Consequence of aging at Au/HTM/perovskite interface in triple cation 3D and 2D/3D hybrid perovskite solar cells. <i>Scientific Reports</i> , 2021, 11, 33.	1.6	12
81	Degradation analysis in mixed (MAPbI ₃ and MAPbBr ₃) perovskite solar cells under thermal stress. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 1354-1359.	1.1	11
82	Organic nanostructure sensing layer developed by AAO template for the application in humidity sensors. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 2382-2388.	1.1	11
83	Computational modelling of monolithically stacked perovskite/silicon tandem solar cells using monofacial and bifacial designs. <i>Optik</i> , 2020, 206, 163427.	1.4	11
84	Study on the stability of the mixed (MAPbI ₃ and MAPbBr ₃) perovskite solar cells using dopant-free HTL. <i>Organic Electronics</i> , 2020, 76, 105453.	1.4	11
85	CuPc based organic-inorganic hetero-junction with Au electrodes. <i>Journal of Semiconductors</i> , 2010, 31, 074002.	2.0	10
86	The Impact of Thermal Annealing to the Efficiency and Stability of Organic Solar Cells based on PCDTBT: PC71BM. <i>Procedia, Social and Behavioral Sciences</i> , 2015, 195, 2135-2142.	0.5	10
87	Structural, morphological and optical properties of PEDOT:PSS/QDs nano-composite films prepared by spin-casting. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016, 83, 64-68.	1.3	10
88	A BHJ-thin-film/liquid-electrolyte based electrochemical-sensor for visible light-detection. <i>RSC Advances</i> , 2017, 7, 35445-35450.	1.7	10
89	Elastic layered rubber-graphene composite fabricated by rubbing-in technology for the multi-functional sensors. <i>Heliyon</i> , 2019, 5, e01187.	1.4	10
90	Planar capacitive type humidity sensor fabricated using PTB7-Th by facile solution processing approach. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	10

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91	2D-MXene as an additive to improve the power conversion efficiency of monolithic perovskite solar cells. <i>Materials Letters</i> , 2022, 309, 131353.	1.3	10
92	A comparative study on the performance of hybrid solar cells containing ZnSTe QDs in hole transporting layer and photoactive layer. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	0.8	9
93	Integrated Capacitive and Resistive Humidity Transduction via Surface Type Nickel Phthalocyanine Based Sensor. <i>International Journal of Electrochemical Science</i> , 2017, 12, 3012-3019.	0.5	9
94	Dual donor bulk-heterojunction to realize a quick and more sensitive organic visible photodetector. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 11144-11150.	1.1	9
95	Growth of PbBr ₂ microrods with unique structure and surface morphology. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 4672-4676.	1.1	9
96	Optimum sintering method and temperature for cold compact Bismuth Telluride pellets for thermoelectric applications. <i>Journal of Alloys and Compounds</i> , 2021, 877, 160256.	2.8	9
97	Effect of illumination and applied potential on the electrochemical impedance spectra in triple cation (FA/MA/Cs) 3D and 2D/3D perovskite solar cells. <i>Journal of Electroanalytical Chemistry</i> , 2021, 902, 115800.	1.9	9
98	Numerical modeling and performance optimization of carbon-based hole transport layer free perovskite solar cells. <i>Optical Materials</i> , 2022, 125, 112075.	1.7	9
99	Investigation of charge transport in organic polymer donor/acceptor photovoltaic materials. <i>Journal of Modern Optics</i> , 2014, 61, 1730-1734.	0.6	8
100	Effect of humidity on copper phthalocyanine films deposited at different gravity conditions. <i>Pigment and Resin Technology</i> , 2017, 46, 64-70.	0.5	8
101	Dielectric properties of Mn doped Bismuth Barium Titanate based ceramic thin films prepared by PLD technique. <i>Ceramics International</i> , 2017, 43, 8778-8783.	2.3	8
102	Modeling and Piezoelectric Analysis of Nano Energy Harvesters. <i>Sensors</i> , 2020, 20, 3931.	2.1	8
103	Enhancement of thermoelectric properties of low-toxic and earth-abundant copper selenide thermoelectric material by microwave annealing. <i>Journal of Alloys and Compounds</i> , 2022, 904, 164131.	2.8	8
104	Undergraduate Research Experience Models: A systematic review of the literature from 2011 to 2021. <i>International Journal of Educational Research</i> , 2022, 114, 101996.	1.2	8
105	Organic Semiconductors: Applications in Solar Photovoltaic and Sensor Devices. <i>Materials Science Forum</i> , 0, 737, 126-132.	0.3	7
106	Flexible impedance and capacitive tensile load Sensor based on CNT composite. <i>Chinese Physics B</i> , 2016, 25, 028801.	0.7	7
107	Effect of microwave sintering on the crystal domain and electrical properties of TiO ₂ nanoparticles. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	0.8	7
108	Methodical review of the literature referred to the dye-sensitized solar cells: Bibliometrics analysis and road mapping. <i>Chinese Physics B</i> , 2019, 28, 118401.	0.7	7

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109	Fabrication and Investigation of the Charge/Discharge Characteristics of Zinc/PVA-KOH/Carbon Cell. <i>Acta Physica Polonica A</i> , 2009, 116, 1021-1024.	0.2	7
110	Fabrication and Analysis of Polydimethylsiloxane (PDMS) Microchannels for Biomedical Application. <i>Processes</i> , 2021, 9, 57.	1.3	7
111	Performance enhancement of NiTsPc based photo sensor using treated TiO ₂ NPs film. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	6
112	A way for studying the impact of PEDOT:PSS interface layer on carrier transport in PCDTBT:PC ₇₁ BM bulk hetero junction solar cells by electric field induced optical second harmonic generation measurement. <i>Journal of Applied Physics</i> , 2015, 117, 163101.	1.1	6
113	Investigation of the structural, optical and gas sensing properties of PANI coated CuZnS microsphere composite. <i>RSC Advances</i> , 2020, 10, 26604-26612.	1.7	6
114	Metal halide-based photodetector using one-dimensional MAPbI ₃ micro rods. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 12109-12115.	1.1	6
115	COVID-19 Inspired a STEM-Based Virtual Learning Model for Middle Schools—A Case Study of Qatar. <i>Sustainability</i> , 2021, 13, 2799.	1.6	6
116	I-V characteristics of vanadium-flavonoid complexes based Schottky diodes. <i>Physica B: Condensed Matter</i> , 2011, 406, 3011-3017.	1.3	5
117	Programmable nonvolatile memory based on gold nanoparticles in poly-methyl-silsesquioxane sol-gel. <i>Microelectronic Engineering</i> , 2012, 99, 62-66.	1.1	5
118	Study of π -conjugation effect of organic semiconductors on their optical parameters. <i>Optical Materials</i> , 2016, 54, 94-97.	1.7	5
119	Poly(3-Hexylthiophene) (P3HT), Poly(Gamma-Benzyl-L-Glutamate) (PBLG) and Poly(Methyl Methacrylate) (PMMA) as Energy Harvesting Materials. <i>Springer Series on Polymer and Composite Materials</i> , 2017, , 95-118.	0.5	5
120	Potential challenges and approaches to develop the large area efficient monolithic perovskite solar cells (mPSCs). <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 20320-20329.	1.1	5
121	Enhancing the Electrical Properties of Vertical OFETs Using a P(VDF-TrFE) Dielectric Layer. <i>Journal of Electronic Materials</i> , 2020, 49, 1362-1371.	1.0	5
122	A Distinctive Method of Online Interactive Learning in STEM Education. <i>Sustainability</i> , 2021, 13, 13909.	1.6	5
123	Enhancement of electrical and optical performance of N719 by co-sensitization. <i>Optical Materials</i> , 2018, 78, 201-206.	1.7	4
124	Surface engineering of the PLA films for fabricating dexterous humidity sensors. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 8135-8141.	1.1	4
125	Electro-sprayed PVA coating with texture-enriched surface morphology for augmented humidity sensing. <i>Progress in Organic Coatings</i> , 2018, 117, 7-9.	1.9	4
126	Template-assisted growth of nanoporous VTTBNC films: Morphology and moisture sensitivity studies. <i>Materials Letters</i> , 2018, 211, 195-198.	1.3	4

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127	The resistive and capacitive Cu ₂ O@PEPC composite-based displacement transducer. <i>Physica Scripta</i> , 2010, 82, 065702.	1.2	3
128	Thermal Annealing Effect on the Optical, Electrical and Morphological Properties of the PBTTT-C12:PC71BM Blend Films. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2015, 137, .	1.1	3
129	Integration of the inexpensive CuNWs based transparent counter electrode with dye sensitized photo sensors. <i>RSC Advances</i> , 2016, 6, 53123-53129.	1.7	3
130	Optical sensors based on the NiPc@CoPc composite films deposited by drop casting and under the action of centrifugal force. <i>Chinese Physics B</i> , 2017, 26, 060704.	0.7	3
131	A two-stage solar collector using a non-tracking conical concentrator and a glass lens for PV-TEG hybrid system. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	3
132	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.	1.1	3
133	Effect of sulfonated poly (ether ether ketone) on the sensitivity of polyvinylidene fluoride-based resistive humidity sensors. <i>Materials Today Communications</i> , 2020, 25, 101601.	0.9	3
134	A Short Analysis on the Morphological Characterization of Colloidal Quantum Dots for Photovoltaic Applications. <i>Current Nanoscience</i> , 2020, 16, 544-555.	0.7	3
135	Impact of moisture contents on the performance of organic bi-layer ITO/OD thermo-electric cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 9720-9724.	1.1	2
136	Study of a ternary blend system for bulk heterojunction thin film solar cells. <i>Chinese Physics B</i> , 2016, 25, 080701.	0.7	2
137	Flexible thermo-electrochemical cells using Iodolyte HI-30 for conversion of low-grade heat to electrical energy. <i>RSC Advances</i> , 2016, 6, 71370-71374.	1.7	2
138	Fabrication and characterization of the organic rectifying junctions by electrolysis. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	2
139	Colloidal distribution of the PCPDTBT and VOPcPhO in the organic amalgam thin films and their optical properties. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	2
140	Fabrication of flexible conductive films by rubbing in technology for application in elastic thermo-electric cells. <i>MethodsX</i> , 2019, 6, 424-427.	0.7	2
141	Detection of voltage pulse width effect on charge accumulation in PSCs using EFISHG measurement. <i>Results in Physics</i> , 2020, 17, 103063.	2.0	2
142	A STEM Model to Engage Students in Sustainable Science Education through Sports: A Case Study in Qatar. <i>Sustainability</i> , 2021, 13, 3483.	1.6	2
143	MAPbI ₃ Microrods-Based Photo Resistor Switches: Fabrication and Electrical Characterization. <i>Materials</i> , 2021, 14, 4385.	1.3	2
144	Effect of pressure on the electrical properties of flexible NiPc thin films fabricated by rubbing-in technology. <i>Chinese Physics B</i> , 2021, 30, 014703.	0.7	2

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145	Thermal and mechanical stability of microwave sintered cold compact bismuth telluride thermoelectric material. <i>Materials Today Communications</i> , 2022, 31, 103345.	0.9	2
146	The Role of Multidisciplinary Chemistry Informal Research Programs in Building Research Competencies and Attitudes. <i>Journal of Chemical Education</i> , 0, , .	1.1	2
147	Effect of the shapes of nanostructures on the light absorption in organic thin films. <i>Journal of Modern Optics</i> , 2014, 61, 636-640.	0.6	1
148	Optimum Sintering Method and temperature for Cold Compact Bismuth Telluride pellets for Thermoelectric applications. , 2021, , .		1
149	Lithium capture in Seawater Reverse Osmosis (SWRO) Brine using membrane-based Capacitive Deionization (MCDI) System. , 2021, , .		1
150	Pedagogical Models to Implement Effective STEM Research Experience Programs in High School Students. <i>Education Sciences</i> , 2021, 11, 743.	1.4	1
151	Impedance hygrometer based on cellulose and CuPc. <i>Journal of Semiconductors</i> , 2010, 31, 064011.	2.0	0
152	Facile and Novel LiAlO ₂ Film Electrodes for Energy Efficient Li recovery from Seawater Reverse Osmosis (SWRO) Brine. , 2021, , .		0
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