

# Zubair Ahmad

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

148  
papers

1,840  
citations

23  
h-index

32  
g-index

161  
ext. papers

2,376  
ext. citations

3.4  
avg, IF

5.39  
L-index

#	Paper	IF	Citations
148	Numerical modeling and performance optimization of carbon-based hole transport layer free perovskite solar cells. <i>Optical Materials</i> , <b>2022</b> , 125, 112075	3.3	2
147	Enhancement of thermoelectric properties of low-toxic and earth-abundant copper selenide thermoelectric material by microwave annealing. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 904, 164131	5.7	1
146	Thermal and mechanical stability of microwave sintered cold compact bismuth telluride thermoelectric material. <i>Materials Today Communications</i> , <b>2022</b> , 31, 103345	2.5	0
145	Review on two-terminal and four-terminal crystalline-silicon/perovskite tandem solar cells; progress, challenges, and future perspectives. <i>Energy Reports</i> , <b>2022</b> , 8, 5820-5851	4.6	2
144	Undergraduate Research Experience Models: A systematic review of the literature from 2011 to 2021. <i>International Journal of Educational Research</i> , <b>2022</b> , 114, 101996	2.1	
143	2D-MXene as an additive to improve the power conversion efficiency of monolithic perovskite solar cells. <i>Materials Letters</i> , <b>2021</b> , 309, 131353	3.3	0
142	Pedagogical Models to Implement Effective STEM Research Experience Programs in High School Students. <i>Education Sciences</i> , <b>2021</b> , 11, 743	2.2	
141	Fabrication and Analysis of Polydimethylsiloxane (PDMS) Microchannels for Biomedical Application. <i>Processes</i> , <b>2021</b> , 9, 57	2.9	4
140	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> , <b>2021</b> , 902, 115800	4.1	2
139	COVID-19 Inspired a STEM-Based Virtual Learning Model for Middle Schools: A Case Study of Qatar. <i>Sustainability</i> , <b>2021</b> , 13, 2799	3.6	2
138	Low-Toxic, Earth-Abundant Nanostructured Materials for Thermoelectric Applications. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	14
137	Synthesis and Performance of Large-Scale Cost-Effective Environment-Friendly Nanostructured Thermoelectric Materials. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	6
136	A review on lithium recovery using electrochemical capturing systems. <i>Desalination</i> , <b>2021</b> , 500, 114883	10.3	27
135	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> , <b>2021</b> , 328, 129058	8.5	12
134	Humidity sensor based on poly(lactic acid)/PANI-ZnO composite electrospun fibers.. <i>RSC Advances</i> , <b>2021</b> , 11, 28735-28743	3.7	4
133	A STEM Model to Engage Students in Sustainable Science Education through Sports: A Case Study in Qatar. <i>Sustainability</i> , <b>2021</b> , 13, 3483	3.6	1
132	MAPbI Microrods-Based Photo Resistor Switches: Fabrication and Electrical Characterization. <i>Materials</i> , <b>2021</b> , 14,	3.5	1

131	Numerical simulation analysis towards the effect of charge transport layers electrical properties on cesium based ternary cation perovskite solar cells performance. <i>Solar Energy</i> , <b>2021</b> , 225, 842-850	6.8	3
130	Exploiting zirconium nitride for an efficient heat-resistant absorber and emitter pair for solar thermophotovoltaic systems. <i>Optics Express</i> , <b>2021</b> , 29, 31537-31548	3.3	1
129	Optimum sintering method and temperature for cold compact Bismuth Telluride pellets for thermoelectric applications. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 877, 160256	5.7	3
128	Effect of pressure on the electrical properties of flexible NiPc thin films fabricated by rubbing-in technology. <i>Chinese Physics B</i> , <b>2021</b> , 30, 014703	1.2	2
127	Consequence of aging at Au/HTM/perovskite interface in triple cation 3D and 2D/3D hybrid perovskite solar cells. <i>Scientific Reports</i> , <b>2021</b> , 11, 33	4.9	7
126	A Distinctive Method of Online Interactive Learning in STEM Education. <i>Sustainability</i> , <b>2021</b> , 13, 13909	3.6	2
125	Effect of sulfonated poly (ether ether ketone) on the sensitivity of polyvinylidene fluoride-based resistive humidity sensors. <i>Materials Today Communications</i> , <b>2020</b> , 25, 101601	2.5	1
124	Long-Term Stability Analysis of 3D and 2D/3D Hybrid Perovskite Solar Cells Using Electrochemical Impedance Spectroscopy. <i>Molecules</i> , <b>2020</b> , 25,	4.8	5
123	Electrical equivalent circuit (EEC) based impedance spectroscopy analysis of HTM free perovskite solar cells. <i>Journal of Electroanalytical Chemistry</i> , <b>2020</b> , 871, 114294	4.1	7
122	Metal halide-based photodetector using one-dimensional MAPbI <sub>3</sub> micro rods. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 12109-12115	2.1	5
121	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> , <b>2020</b> , 215, 110670	6.4	9
120	Capacitive type humidity sensor based on PANI decorated Cu-ZnS porous microspheres. <i>Talanta</i> , <b>2020</b> , 219, 121361	6.2	10
119	Growth of PbBr <sub>2</sub> microrods with unique structure and surface morphology. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 4672-4676	2.1	7
118	Performance optimization of CH <sub>3</sub> NH <sub>3</sub> Pb(1-xBr <sub>x</sub> ) <sub>3</sub> based perovskite solar cells by comparing different ETL materials through conduction band offset engineering. <i>Optical Materials</i> , <b>2020</b> , 105, 109897	3.3	24
117	Detection of voltage pulse width effect on charge accumulation in PSCs using EFISHG measurement. <i>Results in Physics</i> , <b>2020</b> , 17, 103063	3.7	2
116	A Short Analysis on the Morphological Characterization of Colloidal Quantum Dots for Photovoltaic Applications. <i>Current Nanoscience</i> , <b>2020</b> , 16, 544-555	1.4	1
115	Optical Absorption Enhancement in Polymer BHJ thin Film Using Ag Nanostructures: A Simulation Study. <i>Current Nanoscience</i> , <b>2020</b> , 16, 556-567	1.4	
114	Enhancing the Electrical Properties of Vertical OFETs Using a P(VDF-TrFE) Dielectric Layer. <i>Journal of Electronic Materials</i> , <b>2020</b> , 49, 1362-1371	1.9	3

113	Improvement of capacitive humidity sensors using tris(8-hydroxyquinoline) gallium (Gaq3) nanofibers as a dielectric layer. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 21702-21710	3.7	2
112	Investigation of the structural, optical and gas sensing properties of PANI coated Cu-ZnS microsphere composite.. <i>RSC Advances</i> , <b>2020</b> , 10, 26604-26612	3.7	3
111	Fuzzy-Based Approach Using IoT Devices for Smart Home to Assist Blind People for Navigation. <i>Sensors</i> , <b>2020</b> , 20,	3.8	9
110	Modeling and Piezoelectric Analysis of Nano Energy Harvesters. <i>Sensors</i> , <b>2020</b> , 20,	3.8	3
109	Synthesis of In Situ Photoinduced Halloysite-Polypyrrole@Silver Nanocomposite for the Potential Application in Humidity Sensors. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	8
108	Electrochemical Impedance Spectroscopy Analysis of Hole Transporting Material Free Mesoporous and Planar Perovskite Solar Cells. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	16
107	Effect of BaTiO <sub>3</sub> on the sensing properties of PVDF composite-based capacitive humidity sensors. <i>Ceramics International</i> , <b>2020</b> , 46, 2949-2953	5.1	22
106	Computational modelling of monolithically stacked perovskite/silicon tandem solar cells using monofacial and bifacial designs. <i>Optik</i> , <b>2020</b> , 206, 163427	2.5	5
105	Study on the stability of the mixed (MAPbI <sub>3</sub> and MAPbBr <sub>3</sub> ) perovskite solar cells using dopant-free HTL. <i>Organic Electronics</i> , <b>2020</b> , 76, 105453	3.5	8
104	Elastic layered rubber-graphene composite fabricated by rubbing-in technology for the multi-functional sensors. <i>Heliyon</i> , <b>2019</b> , 5, e01187	3.6	4
103	Synthesis and properties of polyelectrolyte multilayered microcapsules reinforced smart coatings. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 12079-12094	4.3	24
102	Development of pressure-sensitive thermo-electric cell using graphene and n-Bi <sub>2</sub> Te <sub>3</sub> . <i>Emergent Materials</i> , <b>2019</b> , 2, 387-390	3.5	7
101	Multifunctional self-healing polymeric nanocomposite coatings for corrosion inhibition of steel. <i>Surface and Coatings Technology</i> , <b>2019</b> , 372, 121-133	4.4	39
100	Development and Properties of Polymeric Nanocomposite Coatings. <i>Polymers</i> , <b>2019</b> , 11,	4.5	22
99	Fabrication of polyaniline-graphene/polystyrene nanocomposites for flexible gas sensors.. <i>RSC Advances</i> , <b>2019</b> , 9, 12496-12506	3.7	19
98	Fabrication of flexible conductive films by rubbing in technology for application in elastic thermo-electric cells. <i>MethodsX</i> , <b>2019</b> , 6, 424-427	1.9	2
97	Improvement of humidity sensing properties of PVDF-TiO <sub>2</sub> nanocomposite films using acetone etching. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 288, 408-413	8.5	25
96	One-dimensional facile growth of MAPbI perovskite micro-rods.. <i>RSC Advances</i> , <b>2019</b> , 9, 11589-11594	3.7	12

95	Potential challenges and approaches to develop the large area efficient monolithic perovskite solar cells (mPSCs). <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 20320-20329	2.1	1
94	Methodical review of the literature referred to the dye-sensitized solar cells: Bibliometrics analysis and road mapping. <i>Chinese Physics B</i> , <b>2019</b> , 28, 118401	1.2	4
93	Degradation analysis in mixed (MAPbI <sub>3</sub> and MAPbBr <sub>3</sub> ) perovskite solar cells under thermal stress. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 1354-1359	2.1	9
92	Organic nanostructure sensing layer developed by AAO template for the application in humidity sensors. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 2382-2388	2.1	5
91	Planar capacitive type humidity sensor fabricated using PTB7-Th by facile solution processing approach. <i>Applied Physics A: Materials Science and Processing</i> , <b>2019</b> , 125, 1	2.6	9
90	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> , <b>2019</b> , 66, 7-12	3.5	14
89	Effect of annealing temperature on the performance of printable carbon electrodes for perovskite solar cells. <i>Organic Electronics</i> , <b>2019</b> , 65, 375-380	3.5	19
88	Enhancement of electrical and optical performance of N719 by co-sensitization. <i>Optical Materials</i> , <b>2018</b> , 78, 201-206	3.3	3
87	Surface engineering of the PLA films for fabricating dexterous humidity sensors. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 8135-8141	2.1	4
86	Electro-sprayed PVA coating with texture-enriched surface morphology for augmented humidity sensing. <i>Progress in Organic Coatings</i> , <b>2018</b> , 117, 7-9	4.8	3
85	Dual donor bulk-heterojunction to realize a quick and more sensitive organic visible photodetector. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 11144-11150	2.1	8
84	Limits and possible solutions in quantum dot organic solar cells. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 82, 1551-1564	16.2	20
83	Template-assisted growth of nanoporous VTTBNC films: Morphology and moisture sensitivity studies. <i>Materials Letters</i> , <b>2018</b> , 211, 195-198	3.3	4
82	Stability of organometal halide perovskite solar cells and role of HTMs: recent developments and future directions.. <i>RSC Advances</i> , <b>2018</b> , 8, 20952-20967	3.7	18
81	PLA-TiO <sub>2</sub> nanocomposites: Thermal, morphological, structural, and humidity sensing properties. <i>Ceramics International</i> , <b>2018</b> , 44, 16507-16513	5.1	51
80	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> , <b>2018</b> , 124, 1	2.6	1
79	Synthesis and performance evaluation of nanostructured NaFe Cr (SO) cathode materials in sodium ion batteries (SIBs).. <i>RSC Advances</i> , <b>2018</b> , 8, 32985-32991	3.7	10
78	Organic Thin-Film Capacitive and Resistive Humidity Sensors: A Focus Review. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1800969	4.6	73

77	Sodium intercalation/de-intercalation mechanism in Na <sub>4</sub> MnV(PO <sub>4</sub> ) <sub>3</sub> cathode materials. <i>Electrochimica Acta</i> , <b>2018</b> , 292, 98-106	6.7	40
76	Effect of humidity on copper phthalocyanine films deposited at different gravity conditions. <i>Pigment and Resin Technology</i> , <b>2017</b> , 46, 64-70	1	7
75	A novel classification of prostate specific antigen (PSA) biosensors based on transducing elements. <i>Talanta</i> , <b>2017</b> , 168, 52-61	6.2	26
74	Compositional engineering of the pi-conjugated small molecular VOPcPhO : Alq <sub>3</sub> complex to boost humidity sensing. <i>RSC Advances</i> , <b>2017</b> , 7, 19780-19786	3.7	17
73	Optimization of ITO glass/TiO <sub>2</sub> based DSSC photo-anodes through electrophoretic deposition and sintering techniques. <i>Ceramics International</i> , <b>2017</b> , 43, 10540-10545	5.1	18
72	Effect of microwave sintering on the crystal domain and electrical properties of TiO <sub>2</sub> nanoparticles. <i>Journal of Nanoparticle Research</i> , <b>2017</b> , 19, 1	2.3	5
71	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> , <b>2017</b> , 26, 060704	1.2	2
70	Compositional engineering of VOPcPhO-TiO nano-composite to reduce the absolute threshold value of humidity sensors. <i>Talanta</i> , <b>2017</b> , 174, 279-284	6.2	12
69	Dielectric properties of Mn doped Bismuth Barium Titanate based ceramic thin films prepared by PLD technique. <i>Ceramics International</i> , <b>2017</b> , 43, 8778-8783	5.1	5
68	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> , <b>2017</b> , 95-118	0.9	3
67	VOPcPhO:P3HT composite micro-structures with nano-porous surface morphology. <i>Applied Surface Science</i> , <b>2017</b> , 399, 426-431	6.7	9
66	Employment of single-diode model to elucidate the variations in photovoltaic parameters under different electrical and thermal conditions. <i>PLoS ONE</i> , <b>2017</b> , 12, e0182925	3.7	21
65	Integrated Capacitive and Resistive Humidity Transduction via Surface Type Nickel Phthalocyanine Based Sensor. <i>International Journal of Electrochemical Science</i> , <b>2017</b> , 3012-3019	2.2	4
64	A BHJ-thin-film/liquid-electrolyte based electrochemical-sensor for visible light-detection. <i>RSC Advances</i> , <b>2017</b> , 7, 35445-35450	3.7	6
63	Fabrication and characterization of the organic rectifying junctions by electrolysis. <i>Applied Physics A: Materials Science and Processing</i> , <b>2017</b> , 123, 1	2.6	2
62	Growth of MAPbBr <sub>3</sub> perovskite crystals and its interfacial properties with Al and Ag contacts for perovskite solar cells. <i>Optical Materials</i> , <b>2017</b> , 73, 50-55	3.3	11
61	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> , <b>2017</b> , 123, 1	2.6	1
60	Instability in CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> perovskite solar cells due to elemental migration and chemical composition changes. <i>Scientific Reports</i> , <b>2017</b> , 7, 15406	4.9	65

59	Effect of ambient temperature on the efficiency of the PCPDTBT: PC71BM BHJ solar cells. <i>Applied Physics A: Materials Science and Processing</i> , <b>2017</b> , 123, 1	2.6	10
58	Production and Characterization of Nanoparticle Dispersions of Organic Semiconductors for Potential Applications in Organic Electronics <b>2017</b> , 109-117		
57	Flexible thermo-electrochemical cells using Iodolyte HI-30 for conversion of low-grade heat to electrical energy. <i>RSC Advances</i> , <b>2016</b> , 6, 71370-71374	3.7	2
56	Study of $\pi$ -conjugation effect of organic semiconductors on their optical parameters. <i>Optical Materials</i> , <b>2016</b> , 54, 94-97	3.3	3
55	Improvement in the photovoltaic properties of hybrid solar cells by incorporating a QD-composite in the hole transport layer. <i>RSC Advances</i> , <b>2016</b> , 6, 23048-23057	3.7	13
54	Sensing performance optimization by tuning surface morphology of organic (D- $\pi$ -A) dye based humidity sensor. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 231, 30-37	8.5	26
53	Flexible organic photo-thermogalvanic cell for low power applications. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 2442-2447	2.1	9
52	Morphological and structural properties of VoPcPhO:P3HT composite thin films. <i>Materials Letters</i> , <b>2016</b> , 164, 605-608	3.3	14
51	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> , <b>2016</b> , 18, 1	2.3	7
50	Humidity sensor based on electrospun MEH-PPV:PVP microstructured composite. <i>RSC Advances</i> , <b>2016</b> , 6, 35387-35393	3.7	36
49	Integration of the inexpensive CuNWs based transparent counter electrode with dye sensitized photo sensors. <i>RSC Advances</i> , <b>2016</b> , 6, 53123-53129	3.7	2
48	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> , <b>2016</b> , 27, 9720-9724	2.1	0
47	Flexible impedance and capacitive tensile load Sensor based on CNT composite. <i>Chinese Physics B</i> , <b>2016</b> , 25, 028801	1.2	6
46	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> , <b>2016</b> , 83, 64-68	3	10
45	Influence of thermal annealing on a capacitive humidity sensor based on newly synthesized macroporous PBObzT2. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 235, 146-153	8.5	30
44	Enhancement of optical features and sensitivity of MEH-PPV/VOPcPhO photodetector using CdSe quantum dots. <i>Journal of Luminescence</i> , <b>2016</b> , 180, 209-213	3.8	9
43	Study of a ternary blend system for bulk heterojunction thin film solar cells. <i>Chinese Physics B</i> , <b>2016</b> , 25, 080701	1.2	2
42	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> , <b>2015</b> , 195, 2135-2142		9

41	PFO-DBT:MEH-PPV:PCBM ternary blend assisted platform as a photodetector. <i>Sensors</i> , <b>2015</b> , 15, 965-783.8	16
40	A way for studying the impact of PEDOT:PSS interface layer on carrier transport in PCDTBT:PC71BM bulk hetero junction solar cells by electric field induced optical second harmonic generation measurement. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 163101	2.5 6
39	Organic/inorganic hybrid nanocomposite for enhanced photo-sensing of PFO-DBT:MEH-PPV:PC71BM blend-based photodetector. <i>Journal of Nanoparticle Research</i> , <b>2015</b> , 17, 1	2.3 18
38	Surface-type nonvolatile electric memory elements based on organic-on-organic CuPc-H 2 Pc heterojunction. <i>Chinese Physics B</i> , <b>2015</b> , 24, 116102	1.2 12
37	Humidity dependent electrical properties of an organic material DMBHPET. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2015</b> , 61, 180-184	4.6 23
36	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> , <b>2015</b> , 137,	2.3 2
35	Binary blend based dye sensitized photo sensor using PCPDTBT and MEH-PPV composite as a light sensitizer. <i>Synthetic Metals</i> , <b>2015</b> , 210, 392-397	3.6 10
34	Novel pressure and displacement sensors based on carbon nanotubes. <i>Chinese Physics B</i> , <b>2015</b> , 24, 0188012	1.2 16
33	Analytical expression for the current-voltage characteristics of organic bulk heterojunction solar cells. <i>AIP Advances</i> , <b>2015</b> , 5, 027115	1.5 15
32	VOPcPhO based organic pressure sensor and displacement transducer. <i>Synthetic Metals</i> , <b>2014</b> , 191, 120-125	3.25 14
31	A MEHPPV/VOPcPhO composite based diode as a photodetector. <i>Sensors and Actuators A: Physical</i> , <b>2014</b> , 206, 138-143	3.9 24
30	Performance enhancement of NiTsPc based photo sensor using treated TiO <sub>2</sub> NPs film. <i>Journal of Nanoparticle Research</i> , <b>2014</b> , 16, 1	2.3 6
29	Effect of the shapes of nanostructures on the light absorption in organic thin films. <i>Journal of Modern Optics</i> , <b>2014</b> , 61, 636-640	1.1
28	A solution-based temperature sensor using the organic compound CuTsPc. <i>Sensors</i> , <b>2014</b> , 14, 9878-88	3.8 13
27	Investigation of charge transport in organic polymer donor/acceptor photovoltaic materials. <i>Journal of Modern Optics</i> , <b>2014</b> , 61, 1730-1734	1.1 6
26	Combined influence of carrier mobility and dielectric constant on the performance of organic bulk heterojunction solar cells. <i>AIP Advances</i> , <b>2014</b> , 4, 057133	1.5 17
25	MEH-PPV/Alq 3 -based bulk heterojunction photodetector. <i>Chinese Physics B</i> , <b>2013</b> , 22, 100701	1.2 20
24	Enhancement of electronic and charge transport properties of NiPc by potassium-tetrasulpho group. <i>Physica B: Condensed Matter</i> , <b>2013</b> , 413, 21-23	2.8 12

23	Bulk heterojunction photodiode: To detect the whole visible spectrum. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2013</b> , 46, 2073-2076	4.6	20
22	A humidity sensing organic-inorganic composite for environmental monitoring. <i>Sensors</i> , <b>2013</b> , 13, 3615-3648	3.48	57
21	Organic Semiconductors: Applications in Solar Photovoltaic and Sensor Devices. <i>Materials Science Forum</i> , <b>2013</b> , 737, 126-132	0.4	6
20	Temperature-sensitive chemical cell based on Nickel (II) phthalocyanine-tetrasulfonic acid tetrasodium salt. <i>Sensors and Actuators A: Physical</i> , <b>2012</b> , 179, 146-150	3.9	19
19	Carbon nanotubes/graphene composite in humidity sensors. <i>Solid-State Electronics</i> , <b>2012</b> , 69, 18-21	1.7	24
18	Programmable nonvolatile memory based on gold nanoparticles in poly-methyl-silsesquioxane sol-gel. <i>Microelectronic Engineering</i> , <b>2012</b> , 99, 62-66	2.5	5
17	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> , <b>2012</b> , 44, 1815-1819	3	13
16	Investigation of VOPcPhO as an acceptor material for bulk heterojunction solar cells. <i>Organic Electronics</i> , <b>2012</b> , 13, 2532-2537	3.5	33
15	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> , <b>2012</b> , 23, 014001	2	43
14	Modification of Optical Band Gap and Surface Morphology of NiTsPc Thin Films. <i>Chinese Physics Letters</i> , <b>2012</b> , 29, 126802	1.8	12
13	Potential of 5,10,15,20-Tetrakis(3,5-di-tertbutylphenyl)porphyrinatocopper(II) for a multifunctional sensor. <i>Sensors and Actuators B: Chemical</i> , <b>2011</b> , 155, 81-85	8.5	30
12	IV characteristics of vanadium-flavonoid complexes based Schottky diodes. <i>Physica B: Condensed Matter</i> , <b>2011</b> , 406, 3011-3017	2.8	5
11	Electrical characteristics of poly(methylsilsesquioxane) thin films for non-volatile memory. <i>Solid State Communications</i> , <b>2011</b> , 151, 297-300	1.6	23
10	Humidity sensitive organic field effect transistor. <i>Journal of Semiconductors</i> , <b>2010</b> , 31, 054001	2.3	12
9	Impedance hygrometer based on cellulose and CuPc. <i>Journal of Semiconductors</i> , <b>2010</b> , 31, 064011	2.3	
8	The resistive and capacitive Cu <sub>2</sub> O/PEPC composite-based displacement transducer. <i>Physica Scripta</i> , <b>2010</b> , 82, 065702	2.6	3
7	Characterization of vanadyl phthalocyanine based surface-type capacitive humidity sensors. <i>Journal of Semiconductors</i> , <b>2010</b> , 31, 114002	2.3	26
6	Electrical Characteristics of Al/CNT/NiPc/PEPC/Ag Surface-Type Cell. <i>Chinese Physics Letters</i> , <b>2010</b> , 27, 106102	1.8	13

5	CuPc based organic-inorganic hetero-junction with Au electrodes. <i>Journal of Semiconductors</i> , <b>2010</b> , 31, 074002	2.3	5
4	Photo-organic field effect transistor based on a metalloporphyrin. <i>Journal Physics D: Applied Physics</i> , <b>2009</b> , 42, 105112	3	14
3	Extraction of electronic parameters of Schottky diode based on an organic semiconductor methyl-red. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2009</b> , 41, 631-634	3	65
2	Fabrication and Investigation of the Charge/Discharge Characteristics of Zinc/PVA-KOH/Carbon Cell. <i>Acta Physica Polonica A</i> , <b>2009</b> , 116, 1021-1024	0.6	3
1	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> , <b>2008</b> , 41, 18-22	3	60