Mohammad Hafizuddin Hj Jumali

List of Publications by Year
in descending order

94	1,121	394421	477307
papers	citations	19 h-index	29 g-index

95	95	95	1421
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of Î²-Chain Alignment Degree on the Performance of Piezoelectric Nanogenerator Based on Poly(Vinylidene Fluoride) Nanofiber. Macromolecular Research, 2022, 30, 172-182.	2.4	5
2	Tetragonal tungsten bronze phase potential in increasing the piezoelectricity of sol-gel synthesized (K0.5Na0.5)1-Li NbO3 ceramics. Ceramics International, 2022, 48, 9324-9329.	4.8	2
3	Na3Zr2(SiO4)2PO4 NASICON-type solid electrolyte: Influence of milling duration on microstructure and ionic conductivity mechanism. Ceramics International, 2022, 48, 22106-22113.	4.8	13
4	Effect of Solvent on Optical Properties and Surface Topography of Nanocomposite Conjugated Polymer Thin Film. ECS Journal of Solid State Science and Technology, 2022, 11, 056002.	1.8	1
5	Nano-tin(IV) oxide addition effects on the transport and AC susceptibility parameters of Bi1.6Pb0.4Sr2CaCu2O8 superconductor. Journal of Materials Science: Materials in Electronics, 2022, 33, 13947-13955.	2.2	3
6	Effect of sintering temperature on the dielectric, impedance and piezoelectric properties of Ba0.85Ca0.15Ti0.90Sn0.09Zr0.01O3 ceramics. Applied Physics A: Materials Science and Processing, 2022, 128, .	2.3	2
7	Improved performance of inverted type organic solar cell using copper iodide-doped P3HT:PCBM as active layer for low light application. Materials Letters, 2021, 283, 128827.	2.6	12
8	Tuning Photophysical Properties of Donor/Acceptor Hybrid Thin- Film via Addition of SiO2/TiO2 Nanocomposites. Polymers, 2021, 13, 611.	4.5	4
9	Effect of sintering temperature on (Ba0.85Ca0.15) (SnxZr0.1-xTi0.9)O3 for piezoelectric energy harvesting applications. Ceramics International, 2021, 47, 13107-13117.	4.8	15
10	FÃ¶rster energy transfer mechanism and color tunability in three binary conjugated polymer blends. Optical Materials, 2021, 116, 111085.	3.6	3
11	Synthesis and comparative study on the structural and optical properties of ZnO doped with Ni and Ag nanopowders fabricated by sol gel technique. Scientific Reports, 2021, 11, 11948.	3.3	64
12	Exploration of 2D Ti3C2 MXene for all solution processed piezoelectric nanogenerator applications. Scientific Reports, 2021, 11, 17432.	3.3	14
13	Effect of TiO2 nanoparticles on energy transfer mechanism in ternary nanocomposite conjugated polymer blend. Optik, 2021, 245, 167718.	2.9	3
14	Rational design of ordered Bi/ZnO nanorod arrays: surface modification, optical energy band alteration and switchable wettability study. Journal of Materials Research and Technology, 2021, 15, 5213-5220.	5.8	2
15	Controlling the Emission Spectrum of Binary Emitting Polymer Hybrids by a Systematic Doping Strategy via FÃ¶rster Resonance Energy Transfer for White Emission. Micromachines, 2021, 12, 1371.	2.9	5
16	Improving Photophysical Properties of White Emitting Ternary Conjugated Polymer Blend Thin Film via Additions of TiO2 Nanoparticles. Polymers, 2020, 12, 2154.	4.5	13
17	A novel facile preparation method of self-polarized Poly(vinylidene fluorides) nanofiber for high-performance piezoelectric nanogenerator. Polymer, 2020, 208, 122956.	3.8	18
18	Critical role of defect states on visible luminescence from ZnS nanostructures doped with Au, Mn and Ga. Materials Science in Semiconductor Processing, 2020, 117, 105193.	4.0	11

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19	Effect of Al thickness on the structural and ethanol vapor sensing performance of ZnO porous nanostructures prepared by microwave-assisted hydrothermal method. Nanotechnology, 2020, 31, 145502.	2.6	17
20	Ethanol sensor based on 1D and 2D ZnO nanostructures. AIP Conference Proceedings, 2020, , .	0.4	2
21	Photophysical Properties and Energy Transfer Mechanism in PFO/TiO2/MEH-PPV Nanocomposite Thin Films. Sains Malaysiana, 2020, 49, 2801-2809.	0.5	3
22	Enhancing the dielectric properties of (Ba0.85Ca0.15)(SnxZr0.10â^'xTi0.90)O3 lead-free ceramics by stannum substitution. Journal of Materials Science: Materials in Electronics, 2019, 30, 20654-20664.	2.2	22
23	Silver nanowires as flexible transparent electrode: Role of PVP chain length. Journal of Alloys and Compounds, 2019, 803, 165-171.	5.5	31
24	Photophysical and energy transfer mechanism studies of Poly (9,9-di-n-octylflourenyl-2,7-diyl)/Fluorol 7GA/Poly [2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylenevinylene] ternary organic blend films. Thin Solid Films, 2019, 683, 90-96.	1.8	3
25	Longâ€range dipoleâ€“dipole energy transfer enhancement via addition of SiO₂/TiO₂ nanocomposite in PFO/MEHâ€PPV hybrid thin films. Journal of Applied Polymer Science, 2019, 136, 47845.	2.6	21
26	Numerical analysis with experimental verification to predict outdoor power conversion efficiency of inverted organic solar devices. Renewable Energy, 2019, 135, 589-596.	8.9	7
27	Solution-dispersed copper iodide anode buffer layer gives P3HT:PCBM-based organic solar cells an efficiency boost. Journal of Materials Science: Materials in Electronics, 2019, 30, 2726-2731.	2.2	8
28	Highly photoactive Cu2O nanowire film prepared with modified scalable synthesis method for enhanced photoelectrochemical performance. Solar Energy Materials and Solar Cells, 2018, 182, 237-245.	6.2	37
29	One-step formation of TiO2hollow spheres via a facile microwave-assisted process for photocatalytic activity. Nanotechnology, 2018, 29, 145707.	2.6	29
30	A MiniÂReview: Can Graphene Be a Novel Material for Perovskite Solar Cell Applications?. Nano-Micro Letters, 2018, 10, 27.	27.0	65
31	A new method for the fabrication of a bilayer WO3/Fe2O3 photoelectrode for enhanced photoelectrochemical performance. Materials Research Bulletin, 2018, 98, 47-52.	5.2	34
32	Synergy study on charge transport dynamics in hybrid organic solar cell: Photocurrent mapping and performance analysis under local spectrum. Current Applied Physics, 2018, 18, 1564-1570.	2.4	3
33	Dimensional effect of ZnO nanorods on gas-sensing performance. Journal Physics D: Applied Physics, 2018, 51, 435101.	2.8	35
34	Automated room temperature optical absorbance CO sensor based on In-doped ZnO nanorod. Sensors and Actuators B: Chemical, 2017, 248, 140-152.	7.8	46
35	Simulation and Fabrication of Wagon-Wheel-Shaped Piezoelectric Transducer for Raindrop Energy Harvesting Application. Journal of Electronic Materials, 2017, 46, 1587-1597.	2.2	7
36	Effect of multiple deposition of NiO layer on the performance of inverted type organic solar cell based on ZnO/P3HT:PCBM. AIP Conference Proceedings, 2017, , .	0.4	1

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37	Structure, humidity sensitivity and magnetic properties of Ce substituted magnesium ferrite. AIP Conference Proceedings, 2017, , .	0.4	3
38	Effect of growth durations on the formation of ZnO nanorods prepared using continuous microwave heating technique. AIP Conference Proceedings, 2017, , .	0.4	0
39	Controlled growth and alignment of palladium nanowires prepared by template-assisted electrodeposition. AIP Conference Proceedings, 2017, , .	0.4	0
40	Modification of Optophysical Properties of Poly[(9,9-Di-N-Octylfluorenyl-2,7-Diyl)-Alt-(Benzo[2,1,3]Thiadiazol-4,8-Diyl)] Thin Film via Additions of TiO₂ Nanoparticles. Materials Science Forum, 2017, 888, 357-361.	0.3	0
41	Inverted organic solar cells integrated with room temperature solution-processed bismuth sulfide electron selective layer. Solar Energy, 2017, 157, 1108-1113.	6.1	5
42	Influence of the spinning rate on the Î²-phase formation in poly(vinylidene fluoride) (PVDF) films. AIP Conference Proceedings, 2017, , .	0.4	6
43	Photoluminescence study of Poly (9,9-di-n-octylfluorenyl-2,7-diyl)/Flourol 7GA/Poly[2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylenevinylene] blends. AIP Conference Proceedings, 2017, , .	0.4	0
44	Solutionâ€dispersed CuO nanoparticles as anode buffer layer in inverted type hybrid organic solar cells. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1600418.	1.8	4
45	Enhanced Optoelectronic Properties of PFO/Fluorol 7GA Hybrid Light Emitting Diodes via Additions of TiO2 Nanoparticles. Polymers, 2016, 8, 334.	4.5	23
46	Solution-dispersed CuO nanoparticles anode buffer layer: Effect of ultrasonic agitation duration on photovoltaic performance. AIP Conference Proceedings, 2016, , .	0.4	1
47	A review of recent plasmonic nanoparticles incorporated P3HT: PCBM organic thin film solar cells. Organic Electronics, 2016, 36, 12-28.	2.6	84
48	INFLUENCE OF THE SUBSTRATE ON THE CRYSTALLINE PHASE AND MORPHOLOGY OF POLY (VINYLIDENE) Tj ETQq0 0 0 rgBT /Overlock 1	1.1	7
49	Two-dimensional CdS intercalated ZnO nanorods: a concise study on interfacial band structure modification. RSC Advances, 2016, 6, 52395-52402.	3.6	12
50	Optimizing the performance of inverted type hybrid organic solar cell based on ZnO/P3HT with various polymer deposition parameters. Journal of Materials Science: Materials in Electronics, 2016, 27, 10442-10448.	2.2	0
51	A Simple Approach Low-Temperature Solution Process for Preparation of Bismuth-Doped ZnO Nanorods and Its Application in Hybrid Solar Cells. Journal of Physical Chemistry C, 2016, 120, 771-780.	3.1	31
52	Effects of CH₃NH₃PbI_(3-x)Cl_x Perovskite Layer on the Performance of Inverted Type Hybrid Organic Solar Cells Based on ZnO/P3HT. Materials Science Forum, 2016, 846, 292-297.	0.3	0
53	Enhancement piezoelectricity in poly(vinylidene fluoride) by filler piezoceramics lead-free potassium sodium niobate (KNN). Optical and Quantum Electronics, 2016, 48, 1.	3.3	13
54	Novel hydrothermal approach to functionalize self-oriented twin ZnO nanotube arrays. Materials Letters, 2016, 165, 75-78.	2.6	13

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55	Enhanced optophysical properties of poly[(9,9-di-n-octylfluorenyl-2,7-diyl)-alt-(benzo[2,1,3]thiadiazol-4,8-diyl)] via addition of TiO2 nanoparticles. AIP Conference Proceedings, 2015, , .	0.4	0
56	Microstructural studies of nanocrystalline barium zirconium titanate (BZT) for piezoelectric applications. AIP Conference Proceedings, 2015, , .	0.4	1
57	Effect of Lanthanum and Strontium Doped on PZT Properties Prepared via High Planetary Mill for Piezofan Application. Advanced Materials Research, 2015, 1087, 172-176.	0.3	3
58	Mechanistic study on highly crystalline (002) plane bounded ZnO nanofilms prepared via direct current magnetron sputtering. Materials Letters, 2015, 161, 83-88.	2.6	14
59	ZnO nanorod arrays pre-coated with DCJTB dye for inverted type hybrid solar cells incorporating P3HT donor. Journal of Materials Science: Materials in Electronics, 2015, 26, 719-725.	2.2	8
60	Efficient Charge Transfer Mechanism in Polyfluorene/ZnO Nanocomposite Thin Films. Journal of Nanomaterials, 2014, 2014, 1-8.	2.7	12
61	Effect of duration on pore widening of one-step anodized aluminum oxide template. AIP Conference Proceedings, 2014, , .	0.4	2
62	Structural and electrical evaluation of KNN ceramic. AIP Conference Proceedings, 2014, , .	0.4	2
63	Rapid synthesis of TiO2/MWCNTs nanocatalyst with enhanced photocatalytic activity using modified microwave technique. Materials Science in Semiconductor Processing, 2014, 25, 207-210.	4.0	19
64	Structural and Luminescence Properties of Eu³⁺ and Dy³⁺-Doped Magnesium Boro-Tellurite Ceramics. Advanced Materials Research, 2014, 895, 269-273.	0.3	1
65	Enhancement of optical properties of poly (9,9â€²-di-n-octylfluorenyl-2,7-diyl) in conjugated polymer/TiO₂ nanocomposites. Canadian Journal of Physics, 2014, 92, 1021-1025.	1.1	1
66	Characterization of multilayer graphene prepared from short-time processed graphite oxide flake. Journal of Materials Science: Materials in Electronics, 2013, 24, 1282-1286.	2.2	19
67	Photophysical properties and energy transfer mechanism of PFO/Fluorol 7GA hybrid thin films. Journal of Luminescence, 2013, 142, 57-65.	3.1	19
68	Modified microwave method for the synthesis of visible light-responsive TiO2/MWCNTs nanocatalysts. Nanoscale Research Letters, 2013, 8, 346.	5.7	27
69	Inhibition of dark quenching by TiO2 nanoparticles content in novel PFO/Fluorol 7GA hybrid: A new role to improve OLED performance. Chemical Physics Letters, 2013, 570, 109-112.	2.6	15
70	Ethanol sensor based on ZnO nanostructures prepared via microwave oven. , 2013, , .		7
71	Microwave Assisted Hydrothermal Method for Porous Zinc Oxide Nanostructured-Films. Journal of Nanoscience and Nanotechnology, 2013, 13, 2667-2674.	0.9	26
72	Influence of TiO₂Nanoparticles on Enhancement of Optoelectronic Properties of PFO-Based Light Emitting Diode. Journal of Nanomaterials, 2013, 2013, 1-7.	2.7	19

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73	High frequency initial permeability of nanocrystalline NiMnCu ferrites. , 2012, , .		0
74	Optoelectronic property enhancement of conjugated polymer in poly(9,9â€²-di-n-octylfluorenyl-2.7-diyl)/titania nanocomposites. Thin Solid Films, 2012, 524, 257-262.	1.8	31
75	FÃ¶rster-type energy transfer mechanism in PF2/6 to MEH-PPV conjugated polymers. Journal of Luminescence, 2012, 132, 386-390.	3.1	23
76	Characterization of SnO₂Nanoparticles Prepared by Two Different Wet Chemistry Methods. Advanced Materials Research, 2011, 364, 322-326.	0.3	9
77	Effect of Annealing Temperatures on Nanostructure of NBT Ceramics Prepared via Sol Gel Method. Advanced Materials Research, 2011, 364, 412-416.	0.3	3
78	Dressing of Mwcnts with TiO₂ Nanoparticles Using Modified Microwave Method. Advanced Materials Research, 2011, 364, 228-231.	0.3	7
79	Carbonâ•Carbon Nanotubes (CNTs) Composites from Green Pellets Contain CNTs and Self-adhesive Carbon Grains from Fibres of Oil Palm Empty Fruit Bunch. , 2010, , .		6
80	Nylon-6/liquid natural rubber blends prepared via emulsion dispersion. Journal of Polymer Research, 2009, 16, 381-387.	2.4	25
81	Superconductivity and enhancement of critical current density of Ta-substituted TlSr1212 with addition of nanosize MgO. Materials Research Innovations, 2009, 13, 364-367.	2.3	5
82	Effects of Cr, Ta and Pb Substitutions on Phase Formation and Superconductivity of Tl1212 Ceramics. Journal of Applied Sciences, 2008, 8, 1007-1013.	0.3	3
83	Synthesis of high purity Tl1212 superconductor with ultrafine grains from coprecipitated Tl-free precursor route. Journal of Materials Science: Materials in Electronics, 2007, 18, 843-846.	2.2	3
84	Transport critical current density of Biâ€“Srâ€“Caâ€“Cuâ€“O/Ag superconductor tapes with addition of magnetic nanopowder Î³-Fe2O3. Science and Technology of Advanced Materials, 2005, 6, 525-528.	6.1	7
85	Superconducting and normal state behaviors of (Tl,Bi)Sr2â‹xTixCa0.9Y0.1Cu2O7 ceramics. Ceramics International, 2004, 30, 1591-1595.	4.8	17
86	Effects of elemental substitution involving V and Cr on superconductivity of (Tl,Bi)Sr2(Ca,Y)Cu2O7 ceramics. Ceramics International, 2004, 30, 1585-1589.	4.8	13
87	Effect of La₂O₃ Additions on Microstructure, Morphology and Pressure Sensing Behaviour of PZT Based Ceramics Sintered in Al₂O₃ Environment. Advanced Materials Research, 0, 173, 96-101.	0.3	0
88	Enhancing the Sinterability of Chemically-Derived Tl1212 Superconducting Powders Using Nano-Sized MgO as Sintering Aid. Advanced Materials Research, 0, 418-420, 914-917.	0.3	0
89	Synthesis of Monodisperse CdSe QDs Using Controlled Growth Temperatures. Advanced Materials Research, 0, 364, 485-488.	0.3	1
90	Fundamental Characterisation of Dredged Marine Sediments from Kuala Perlis Jetty by XRF, XRD and FTIR. Advanced Materials Research, 0, 620, 469-473.	0.3	4

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91	Effect of Annealing Temperatures on Formation of Na_{0.5}Bi_{0.5}TiO₃ and (Na_{0.5}Bi_{0.5})_{0.96}Ba_{0.04}TiO<sub>3& Ceramics Prepared via Sol Gel Method. Advanced Materials Research, 0, 501, 76-80.	0.3	0
92	Effect of Polyaniline Doping on Structural and Vapor Sensing Properties of Tungsten Organometallic Thin Film. Advanced Materials Research, 0, 658, 237-241.	0.3	3
93	Enhancement of Poly(9,9'-di-n-octylfluorenyl-2.7-diyl) Optoelectronic Properties in Novel Conjugated Polymer/Laser Dye Hybrid OLEDs. Materials Science Forum, 0, 756, 281-288.	0.3	2
94	Functionalization of Multi-Walled Carbon Nanotubes Using Microwave Method. Materials Science Forum, 0, 1039, 237-244.	0.3	0