Mohamad Hafiz Mamat

List of Publications by Year
in descending order

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394 papers	2,960 citations	201385 27 h-index	276539 41 g-index
394 all docs	394 docs citations	394 times ranked	2801 citing authors

#	Article	IF	Citations
1	Undoped and Zn-doped NiO nanosheet/nanoflower-like films-based humidity sensor fabricated via immersion method. Materials Today: Proceedings, 2022, 48, 1910-1914.	0.9	2
2	Photocatalytic degradation of methylene blue by flowerlike rutile-phase TiO2 film grown via hydrothermal method. Journal of Sol-Gel Science and Technology, 2022, 102, 637-648.	1.1	16
3	A guide to designing graphene-philic surfactants. Journal of Colloid and Interface Science, 2022, 620, 346-355.	5.0	2
4	Enhanced magnetoelectric effect in heterogeneous multiferroic (x)CuFe2O4â€‰â^'â€‰(1â€‰â^'â€‰x)KNbO3 nanocomposite. Emergent Materials, 2022, 5, 529-536.	3.2	3
5	Strainâ€mediated electrical and optical properties of novel leadâ€free <scp>CuFe₂O₄â€“KNbO₃</scp> nanocomposite solid solutions: A combined experimental and <scp>Density Functional Theory</scp> studies. Microscopy Research and Technique, 2022, 85, 3140-3152.	1.2	3
6	Heterojunction of SnO2 nanosheet/arrayed ZnO nanorods for humidity sensing. Materials Chemistry and Physics, 2022, 288, 126436.	2.0	15
7	The utilization of waste cooking palm oil as a green carbon source for the growth of multilayer graphene. Journal of the Australian Ceramic Society, 2021, 57, 347-358.	1.1	4
8	Preparation of a portable calorimetry kit and one-step spectrophotometric nanomolar level detection of l-Histidine in serum and urine samples using sebacic acid capped silver nanoparticles. Journal of Science: Advanced Materials and Devices, 2021, 6, 100-107.	1.5	7
9	Photocatalytic performance improvement by utilizing GO_MWCNTs hybrid solution on sand/ZnO/TiO2-based photocatalysts to degrade methylene blue dye. Environmental Science and Pollution Research, 2021, 28, 6966-6979.	2.7	13
10	Annealing temperature dependency of structural, optical and electrical characteristics of manganese-doped nickel oxide nanosheet array films for humidity sensing applications. Nanomaterials and Nanotechnology, 2021, 11, 184798042098278.	1.2	12
11	Effect of Surfactantsâ€™ Tail Number on the PVDF/GO/TiO2-Based Nanofiltration Membrane for Dye Rejection and Antifouling Performance Improvement. International Journal of Environmental Research, 2021, 15, 149-161.	1.1	9
12	Synthesis and Properties of NiO Nanosheet Array Films on Glass Substrates via Immersion Technique. Lecture Notes in Mechanical Engineering, 2021, , 633-644.	0.3	1
13	Fabrication and application of composite adsorbents made by one-pot electrochemical exfoliation of graphite in surfactant ionic liquid/nanocellulose mixtures. Physical Chemistry Chemical Physics, 2021, 23, 19313-19328.	1.3	4
14	Piezoelectric energy harvesting based on ZnO: A review. AIP Conference Proceedings, 2021, , .	0.3	9
15	Influence of Doping Concentration on the Zinc Doped Nickel Oxide Nanostructures: Morphological, Structural, and Optical Properties. IOP Conference Series: Earth and Environmental Science, 2021, 682, 012070.	0.2	2
16	Effects of TiO2 phase and nanostructures as photoanode on the performance of dye-sensitized solar cells. Bulletin of Materials Science, 2021, 44, 1.	0.8	3
17	Physicochemical properties of surface modified ZnFe₂O₄ nanocomposite incorporated with bioâ€templated kapok fiber for photoelectrochemical application. Surface and Interface Analysis, 2021, 53, 637-649.	0.8	0
18	Structural phase instability, mixed-phase, and energy band gap change in BiFeO3 under lattice strain effect from first-principles investigation. Ceramics International, 2021, 47, 12592-12599.	2.3	8

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19	Carbon nanotubes from waste cooking palm oil as adsorbent materials for the adsorption of heavy metal ions. Environmental Science and Pollution Research, 2021, 28, 65171-65187.	2.7	9
20	Temperature dependant high output voltage generation via mechanical transducer by using surface modified (O2, CO2, NO2) ZnO nanowires. Microelectronic Engineering, 2021, 248, 111614.	1.1	7
21	PHYSICAL PROPERTIES OF NOVEL Î±-Fe2O3/NiO HETEROSTRUCTURES THROUGH IMMERSION/ SOLâ€“GEL SPIN COATING METHOD: DIFFERENT DEPOSITION NUMBERS OF NiO LAYER. Jurnal Teknologi (Sciences and) Tj ETQq1 1 0.784314 rgBT /Over	0.3	1
22	Improvement of c-axis (002) AlN crystal plane by temperature assisted HiPIMS technique. Microelectronics International, 2021, 38, 86-92.	0.4	1
23	Effect of nozzle-substrate distance on the structural and optical properties of AZO thin films deposited by spray pyrolysis technique. AIP Conference Proceedings, 2021, , .	0.3	0
24	Growth of Zinc Oxide Thin Film with Titanium Dioxide at Different Concentration Prepared by Hydrothermal Method. Lecture Notes in Mechanical Engineering, 2021, , 971-979.	0.3	0
25	High responsivity of ultraviolet sensor-based rutile-phased TiO2 nanorod arrays using different bias voltage. Journal of the Australian Ceramic Society, 2020, 56, 461-468.	1.1	2
26	Coupling heterostructure of thickness-controlled nickel oxide nanosheets layer and titanium dioxide nanorod arrays via immersion route for self-powered solid-state ultraviolet photosensor applications. Measurement: Journal of the International Measurement Confederation, 2020, 149, 106982.	2.5	13
27	Electrochemical exfoliation of graphite in nanofibrillated kenaf cellulose (NFC)/surfactant mixture for the development of conductive paper. Carbohydrate Polymers, 2020, 228, 115376.	5.1	10
28	Solution growth of highly crystalline and dense-packed ZnO nanorods on a TiO₂ seed layer with enhanced absorbance properties. Japanese Journal of Applied Physics, 2020, 59, SAAC10.	0.8	2
29	Developing high-sensitivity UV sensors based on ZnO nanorods grown on TiO2 seed layer films using solution immersion method. Sensors and Actuators A: Physical, 2020, 302, 111827.	2.0	22
30	Adsorption effect of NO2 on ZnO (100 nm) nanowires, leading towards reduced reverse leakage current and voltage enhancement. Bulletin of Materials Science, 2020, 43, 1.	0.8	3
31	Dependence of photocatalysis on electron trapping in Ag-doped flowerlike rutile-phase TiO2 film by facile hydrothermal method. Applied Surface Science, 2020, 534, 147571.	3.1	37
32	Synthesis, transfer and application of graphene as a transparent conductive film: a review. Bulletin of Materials Science, 2020, 43, 1.	0.8	18
33	Chemisorbed CO2 molecules on ZnO nanowires (100Ânm) surface leading towards enhanced piezoelectric voltage. Vacuum, 2020, 182, 109565.	1.6	12
34	Controllable synthesis of Sn:ZnO/SnO2 nanorods: pH-dependent growth for an ethanol gas sensor. Journal of Materials Science: Materials in Electronics, 2020, 31, 15394-15406.	1.1	2
35	Characterization of Titanium Dioxide (TiO2) Nanotubes for Resistive-type Humidity Sensor. , 2020, , .		5
36	Highly branched triple-chain surfactant-mediated electrochemical exfoliation of graphite to obtain graphene oxide: colloidal behaviour and application in water treatment. Physical Chemistry Chemical Physics, 2020, 22, 12732-12744.	1.3	8

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37	Fabrication, structural, optical, electrical, and humidity sensing characteristics of hierarchical NiO nanosheet/nanoball-flower-like structure films. Journal of Materials Science: Materials in Electronics, 2020, 31, 11673-11687.	1.1	13
38	Analysis on different detection mechanisms involved in ZnO-based photodetector and photodiodes. Journal of Materials Science: Materials in Electronics, 2020, 31, 7100-7113.	1.1	47
39	Adsorption effect of oxygen on ZnO Nanowires (100 nm) leading towards pronounced edge effects and voltage enhancement. Materials Research Express, 2020, 7, 095004.	0.8	5
40	Fabrication and structural properties of flower-like TiO2 nanorod array films grown on glass substrate without FTO layer. Materials Letters, 2020, 273, 127902.	1.3	15
41	Synthesis, structural and optical properties of mesostructured, X-doped NiO (x = Zn, Sn, Fe) nanoflake network films. Materials Research Bulletin, 2020, 127, 110860.	2.7	45
42	Influence of annealing temperature on the sensitivity of nickel oxide nanosheet films in humidity sensing applications. Indonesian Journal of Electrical Engineering and Computer Science, 2020, 18, 284.	0.7	4
43	Effect of Precursors on the Growth and Physiochemical Properties of Bio-mimetic ZnFe2O4 Nanocomposites for Photoelectrochemical Application. Sains Malaysiana, 2020, 49, 3219-3228.	0.3	2
44	Influence of Pre-Sputtering Technique on Material Properties of BST Thin Films for Tunable Microwave Applications. , 2020, , .		0
45	Anodization voltage effect on physical properties of anodic TiO2 nanotube arrays film. AIP Conference Proceedings, 2020, , .	0.3	0
46	Incorporation of Electrochemically Exfoliated Graphene Oxide and TiO2 into Polyvinylidene Fluoride-Based Nanofiltration Membrane for Dye Rejection. Water, Air, and Soil Pollution, 2019, 230, 1.	1.1	20
47	Fabrication of Al-doped ZnO nanorod array using different type and thickness of metal contact. AIP Conference Proceedings, 2019, , .	0.3	0
48	UV photoresponsivity of sol-gel derived Al-doped ZnO nanorod array. AIP Conference Proceedings, 2019, , .	0.3	0
49	Investigation on properties of ZnO nanorods grown at different immersion time on TiO2 seed layer. AIP Conference Proceedings, 2019, , .	0.3	0
50	Chitosan-assisted hydrothermal synthesis of multiferroic BiFeO3: Effects on structural, magnetic and optical properties. Results in Physics, 2019, 15, 102740.	2.0	15
51	Influence of different stabilizers to the growth of ZnO nanostructures on TiO2 seed layer. AIP Conference Proceedings, 2019, , .	0.3	1
52	Atmospheric pressure plasma needle jet treated on aluminium thin film for semiconductor industries. Materials Today: Proceedings, 2019, 7, 715-720.	0.9	5
53	Effect of SnO2 coating to the properties of ZnO nanorod array. AIP Conference Proceedings, 2019, , .	0.3	0
54	Structural and electrical properties of ZnO and SiO2 doped ZnO powder for varistor application. AIP Conference Proceedings, 2019, , .	0.3	1

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55	High sensitivity ultra-violet photosensor based on nanostructured Nb2O5. AIP Conference Proceedings, 2019, , .	0.3	1
56	Structural, optical, and electrical evolution of solâ€“gel-immersion grown nickel oxide nanosheet array films on aluminium doping. Journal of Materials Science: Materials in Electronics, 2019, 30, 9916-9930.	1.1	8
57	Titanium dioxide/agglomerated-free reduced graphene oxide hybrid photoanode film for dye-sensitized solar cells photovoltaic performance improvement. Nano Structures Nano Objects, 2019, 18, 100314.	1.9	8
58	Improved DSSC photovoltaic performance using reduced graphene oxideâ€“carbon nanotube/platinum assisted with customised triple-tail surfactant as counter electrode and zinc oxide nanowire/titanium dioxide nanoparticle bilayer nanocomposite as photoanode. Graphene Technology, 2019, 4, 17-31.	1.9	8
59	Structural modification of ZnO nanorod array through Fe-doping: Ramification on UV and humidity sensing properties. Nano Structures Nano Objects, 2019, 18, 100262.	1.9	23
60	Surfactants with aromatic headgroups for optimizing properties of graphene/natural rubber latex composites (NRL): Surfactants with aromatic amine polar heads. Journal of Colloid and Interface Science, 2019, 545, 184-194.	5.0	14
61	High Surface Area to Volume Ratio 3D Nanoporous Nb2O5 for Enhanced Humidity Sensing. Journal of Electronic Materials, 2019, 48, 3805-3815.	1.0	12
62	Nanotubular Ta2O5 as ultraviolet (UV) photodetector. Journal of Materials Science: Materials in Electronics, 2019, 30, 4953-4966.	1.1	15
63	Solvents driven structural, morphological, optical and dielectric properties of lead free perovskite CH₃NH₃SnCl₃ for optoelectronic applications: experimental and DFT study. Materials Research Express, 2019, 6, 125921.	0.8	5
64	Electrodeposited Cu2O Microstructure as an Effective Ultraviolet (UV) Sensor Operating at Low Bias Voltages. , 2019, , .		0
65	Low-temperature-dependent growth of titanium dioxide nanorod arrays in an improved aqueous chemical growth method for photoelectrochemical ultraviolet sensing. Journal of Materials Science: Materials in Electronics, 2019, 30, 1017-1033.	1.1	9
66	Electrical Behavior of a Nanoporous Nb2O5/Pt Schottky Contact at Elevated Temperatures. Journal of Electronic Materials, 2019, 48, 611-620.	1.0	1
67	Direct and seedless growth of Nickel Oxide nanosheet architectures on ITO using a novel solution immersion method. Materials Letters, 2019, 236, 460-464.	1.3	15
68	Impact of annealing temperature to the performance of hematite based humidity sensor. Indonesian Journal of Electrical Engineering and Computer Science, 2019, 13, 1079.	0.7	2
69	Highly Porous NiO Nanoflower-based Humidity Sensor Grown on Seedless Glass Substrate via One-Step Simplistic Immersion Method. International Journal of Engineering and Advanced Technology, 2019, 9, 5718-5722.	0.2	3
70	Effect of Zn-Doping on the Structural, Optical, and Humidity Sensing Properties of Sol-Gel Synthesized NiO Thin Film. International Journal of Recent Technology and Engineering, 2019, 8, 6745-6749.	0.2	1
71	Effect of substrate placement in schott vial to hematite properties. Bulletin of Electrical Engineering and Informatics, 2019, 8, 58-64.	0.6	1
72	Enhancing the performance of self-powered ultraviolet photosensor using rapid aqueous chemical-grown aluminum-doped titanium oxide nanorod arrays as electron transport layer. Thin Solid Films, 2018, 655, 1-12.	0.8	16

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73	Reduced graphene oxide/platinum hybrid counter electrode assisted by custom-made triple-tail surfactant and zinc oxide/titanium dioxide bilayer nanocomposite photoanode for enhancement of DSSCs photovoltaic performance. Optik, 2018, 161, 70-83.	1.4	17
74	Improving the photovoltaic performance of DSSCs using a combination of mixed-phase TiO2 nanostructure photoanode and agglomerated free reduced graphene oxide counter electrode assisted with hyperbranched surfactant. Optik, 2018, 158, 522-534.	1.4	25
75	Rational design of aromatic surfactants for graphene/natural rubber latex nanocomposites with enhanced electrical conductivity. Journal of Colloid and Interface Science, 2018, 516, 34-47.	5.0	41
76	Improvement in photo voltaic performance of rutile-phased TiO2 nanorod/nanoflower-based dye-sensitized solar cell. Journal of the Australian Ceramic Society, 2018, 54, 663-670.	1.1	2
77	Heterogeneous SnO2/ZnO nanoparticulate film: Facile synthesis and humidity sensing capability. Materials Science in Semiconductor Processing, 2018, 81, 127-138.	1.9	40
78	Fabrication and characterization of rutile-phased titanium dioxide (TiO2) nanorods array with various reaction times using one step hydrothermal method. Optik, 2018, 154, 510-515.	1.4	20
79	Enhanced humidity sensing performance using Sn-Doped ZnO nanorod Array/SnO2 nanowire heteronetwork fabricated via two-step solution immersion. Materials Letters, 2018, 210, 258-262.	1.3	29
80	The Performance of Humidity Sensor using Iron Oxide as The Sensor Element. , 2018, , .		1
81	The effects of different precursor in sonicated immersion technique on hematite nanostructure properties. IOP Conference Series: Materials Science and Engineering, 2018, 340, 012003.	0.3	0
82	Investigation of the effect of Anodized Duration toward Photocatalytic Performance of Nb2O5. IOP Conference Series: Materials Science and Engineering, 2018, 340, 012007.	0.3	2
83	Facile Synthesis of N-doped ZnO Nanorod Arrays: Towards Enhancing the UV-sensing Performance. , 2018, , .		0
84	Engineering the Properties of Nb<inf>2</inf>O<inf>5</inf>-ZnO Nanostructures via Dual Synthesis Techniques. , 2018, , .		0
85	Effect of Different Metal Contact Distance and Light on Electrical Properties of Calcium Carbonate Thin Film. , 2018, , .		0
86	Enhancing Photocatalytic Performance of Nanoporous Nb<inf>2</inf>O<inf>5</inf> Doped Platinum. , 2018, , .		0
87	Structural properties of ZnO nano-template layer by spin coating method. AIP Conference Proceedings, 2018, , .	0.3	1
88	2018 IEEE International Conference on Semiconductor Electronics (ICSE) Synthesis, Properties and Humidity Detection of Anodized Nb<inf>2</inf>O<inf>5</inf> Films. , 2018, , .		0
89	Electrical properties of TiO2 at different deposition frequencies and their application in ZnO/TiO2 based dye-sensitized solar cells. AIP Conference Proceedings, 2018, , .	0.3	0
90	ZnO-based transparent conductive thin films via sonicated-assisted sol-gel technique. AIP Conference Proceedings, 2018, , .	0.3	1

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91	Effect of growth time to the properties of Al-doped ZnO nanorod arrays. AIP Conference Proceedings, 2018, , .	0.3	2
92	Effect of co-doping process on topography, optical and electrical properties of ZnO nanostructured. , 2018, , .		0
93	Structural, optical, and electrical properties of Ni-doped ZnO nanorod arrays prepared via sonicated sol-gel immersion method. AIP Conference Proceedings, 2018, , .	0.3	6
94	Characterization of barium strontium titanate thin films on sapphire substrate prepared via RF magnetron sputtering system. AIP Conference Proceedings, 2018, , .	0.3	2
95	The performance of hematite nanostructures in different humidity levels. AIP Conference Proceedings, 2018, , .	0.3	0
96	Reduced graphene oxide-multiwalled carbon nanotubes hybrid film with low Pt loading as counter electrode for improved photovoltaic performance of dye-sensitised solar cells. Journal of Materials Science: Materials in Electronics, 2018, 29, 10723-10743.	1.1	17
97	Modulation of Sn concentration in ZnO nanorod array: intensification on the conductivity and humidity sensing properties. Journal of Materials Science: Materials in Electronics, 2018, 29, 12076-12088.	1.1	17
98	Effect of intrinsic zinc oxide coating on the properties of Al-doped zinc oxide nanorod arrays. AIP Conference Proceedings, 2018, , .	0.3	0
99	Sn-doped TiO2 nanorod arrays produced by facile one step aqueous chemical route: Structural characterization. AIP Conference Proceedings, 2018, , .	0.3	1
100	Surface Topology and Optical Properties of Nanostructured Zinc Oxide Thin Films Prepared Using Two-Stage Solution Immersion Method. IOP Conference Series: Materials Science and Engineering, 2018, 340, 012011.	0.3	1
101	Polyethylene glycol assisted growth of Sn-doped ZnO nanorod arrays prepared via sol-gel immersion method. AIP Conference Proceedings, 2018, , .	0.3	0
102	Hydrothermal synthesis of nanomoss Nb2O5 films and their ultraviolet photodetection performance. Journal of Materials Science: Materials in Electronics, 2018, 29, 16765-16774.	1.1	6
103	Plasma diagnostic by optical emission spectroscopy on reactive magnetron sputtering plasma â€“A Brief Introduction. Journal of Physics: Conference Series, 2018, 1027, 012005.	0.3	2
104	Humidity sensing properties of Al-doped zinc oxide coating films. AIP Conference Proceedings, 2018, , .	0.3	2
105	Effect of different coating layer on the topography and optical properties of ZnO nanostructured. AIP Conference Proceedings, 2018, , .	0.3	0
106	Current-Voltage Characteristics of Nb2O5 nanoporous via light illumination. IOP Conference Series: Materials Science and Engineering, 2018, 340, 012001.	0.3	0
107	Preparation of conductive cellulose paper through electrochemical exfoliation of graphite: The role of anionic surfactant ionic liquids as exfoliating and stabilizing agents. Carbohydrate Polymers, 2018, 201, 48-59.	5.1	15
108	Synthesis of p-type nickel oxide nanosheets on n-type titanium dioxide nanorod arrays for p-n heterojunction-based UV photosensor. AIP Conference Proceedings, 2018, , .	0.3	0

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109	Effect of the polymeric coating thickness on the photocurrent performance of titanium dioxide nanorod arrays-polyaniline composite-based UV photosensor. AIP Conference Proceedings, 2018, , .	0.3	0
110	Preparation of TNAs/NiO p-n heterojunction and their applications in UV photosensor. AIP Conference Proceedings, 2018, , .	0.3	1
111	Effect of various SnO2 pH on ZnO/SnO2-composite film via immersion technique. AIP Conference Proceedings, 2018, , .	0.3	0
112	The optical properties of Î±-Fe2O3 nanostructures synthesized with different immersion time. AIP Conference Proceedings, 2018, , .	0.3	2
113	Structural and electrical properties of nanostructured ZnO. AIP Conference Proceedings, 2018, , .	0.3	1
114	Electrical and structural properties of Nb-doped TiO2 at different Nb concentrations deposited by spin coating technique. AIP Conference Proceedings, 2018, , .	0.3	1
115	Effect of Deposition Temperature on Self-Catalyzed ZnO Nanorods via Chemical Vapour Deposition Method. Indonesian Journal of Electrical Engineering and Computer Science, 2018, 11, 209.	0.7	1
116	Intrinsic ZnO/Al-doped ZnO Homojunction: Structural and Optical Properties. Indonesian Journal of Electrical Engineering and Computer Science, 2018, 12, 393.	0.7	0
117	Effect of anneal temperature on fluorine doped tin oxide (FTO) nanostructured fabricated using hydrothermal method. AIP Conference Proceedings, 2017, , .	0.3	3
118	Schottky behavior of reduced graphene oxide at various operating temperatures. Surfaces and Interfaces, 2017, 6, 229-236.	1.5	11
119	Dye-sensitized solar Cell using pure anatase TiO2 annealed at different temperatures. Optik, 2017, 140, 1063-1068.	1.4	28
120	Enhanced photovoltaic performance using reduced graphene oxide assisted by triple-tail surfactant as an efficient and low-cost counter electrode for dye-sensitized solar cells. Optik, 2017, 139, 291-298.	1.4	21
121	Electrical enhancement of radiation-vulcanized natural rubber latex added with reduced graphene oxide additives for supercapacitor electrodes. Journal of Materials Science, 2017, 52, 6611-6622.	1.7	19
122	Electrical and optical characteristics of atmospheric pressure plasma needle jet driven by neon trasformer. AIP Conference Proceedings, 2017, , .	0.3	1
123	Hierarchically assembled tin-doped zinc oxide nanorods using low-temperature immersion route for low temperature ethanol sensing. Journal of Materials Science: Materials in Electronics, 2017, 28, 16292-16305.	1.1	11
124	Synthesis and enhanced photocatalytic property of CuO nanostructure via dip coating method. , 2017, , .		0
125	The effect of different ratio (stabilizer â€" precursor) in sonicated immersion method of hematite nanorods. , 2017, , .		0
126	The effect of deposition time on sputtered barium strontium titanate thin films. , 2017, , .		0

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127	Structural and optical properties of nanocomposited ZnO/SnO<inf>2</inf> thin film deposited at different Sn precursor. , 2017, , .		0
128	Synthesis of Titanium Dioxide Nanorod Arrays Using a Facile Aqueous Sol-Gel Route for Ultraviolet Photosensor Applications. , 2017, , .		2
129	Fabrication of nanostructured Al-doped ZnO thin film for methane sensing applications. AIP Conference Proceedings, 2016, , .	0.3	0
130	Effect of thermal implying during ageing process of nanorods growth on the properties of zinc oxide nanorod arrays. AIP Conference Proceedings, 2016, , .	0.3	9
131	Effect of growth time on ZnO nanorod arrays by a facile sonicated sol-gel immersion technique. AIP Conference Proceedings, 2016, , .	0.3	0
132	ZnO/SnO2 nanoflower based ZnO template synthesized by thermal chemical vapor deposition. AIP Conference Proceedings, 2016, , .	0.3	0
133	Electrical properties of undoped zinc oxide nanostructures at different annealing temperature. AIP Conference Proceedings, 2016, , .	0.3	1
134	Effect of Nb-doped TiO2 on nanocomposited aligned ZnO nanorod/TiO2:Nb for dye-sensitized solar cells. AIP Conference Proceedings, 2016, , .	0.3	4
135	A study on different morphological structures of zinc oxide nanostructures for humidity sensing application. AIP Conference Proceedings, 2016, , .	0.3	14
136	Electrical properties of tin-doped zinc oxide nanostructures doped at different dopant concentrations. AIP Conference Proceedings, 2016, , .	0.3	2
137	Preparation of nickel oxide thin films at different annealing temperature by sol-gel spin coating method. AIP Conference Proceedings, 2016, , .	0.3	5
138	Electrical properties of Mg doped ZnO nanostructure annealed at different temperature. AIP Conference Proceedings, 2016, , .	0.3	0
139	Percentage of different aluminum doping influence the morphological and optical properties of ZnO nanostructured growth for sensor application. AIP Conference Proceedings, 2016, , .	0.3	0
140	Effect of deposition speed on properties of zinc oxide nanoparticle decorated zinc oxide nanorod arrays. , 2016, , .		1
141	Structural and optical properties of N-doped ZnO nanorod arrays prepared using sol-gel immersion method. , 2016, , .		7
142	Low temperature growth of rutile titanium dioxide nanorod arrays using a novel facile method for UV photosensor application. , 2016, , .		1
143	Content variation of particle size in TiO₂ paste as medium for electron transportation in dye sensitized solar cell. , 2016, , .		0
144	Effect of substrates temperature on structural and optical properties indium tin oxide prepared by RF magnetron sputtering. , 2016, , .		0

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145	A review on hematite Î±-Fe<inf>2</inf>O<inf>3</inf> focusing on nanostructures, synthesis methods and applications. , 2016, , .		8
146	Fabrication of Titanium dioxide nanorod arrays-based UV photosensor from low-concentration of Titanium (IV) butoxide with hydrochloric acid. , 2016, , .		1
147	Effect of TiO2 thickness on nanocomposited aligned ZnO nanorod/TiO2 for dye-sensitized solar cells. AIP Conference Proceedings, 2016, , .	0.3	1
148	Raman investigation of rutile-phased TiO2 nanorods/nanoflowers with various reaction times using one step hydrothermal method. Journal of Materials Science: Materials in Electronics, 2016, 27, 7920-7926.	1.1	28
149	Scaled-up prototype of carbon nanotube production system utilizing waste cooking palm oil precursor and its nanocomposite application as supercapacitor electrodes. Journal of Materials Science: Materials in Electronics, 2016, 27, 11599-11605.	1.1	13
150	Parametric study of waste chicken fat catalytic chemical vapour deposition for controlled synthesis of vertically aligned carbon nanotubes. Cogent Physics, 2016, 3, .	0.7	4
151	Optimization of processing parameters on the controlled growth of c-axis oriented ZnO nanorod arrays. AIP Conference Proceedings, 2016, , .	0.3	0
152	Effect of heat treatment to the rutile based dye sensitized solar cell. Optik, 2016, 127, 4076-4079.	1.4	9
153	Thickness-controlled synthesis of vertically aligned c-axis oriented ZnO nanorod arrays: Effect of growth time via novel dual sonication solâ€“gel process. Japanese Journal of Applied Physics, 2016, 55, 01AE15.	0.8	22
154	Fabrication of hierarchical Sn-doped ZnO nanorod arrays through sonicated solâ^'gel immersion for room temperature, resistive-type humidity sensor applications. Ceramics International, 2016, 42, 9785-9795.	2.3	68
155	Effect of oxygen flow rate on the ultraviolet sensing properties of zinc oxide nanocolumn arrays grown by radio frequency magnetron sputtering. Ceramics International, 2016, 42, 4107-4119.	2.3	29
156	Growth of titanium dioxide nanorod arrays through the aqueous chemical route under a novel and facile low-cost method. Materials Letters, 2016, 164, 294-298.	1.3	29
157	Synthesis and field electron emission properties of waste cooking palm oil-based carbon nanotubes coated on different zinc oxide nanostructures. Journal of Alloys and Compounds, 2016, 656, 368-377.	2.8	12
158	Fabrication of vertically aligned carbon nanotubesâ€“zinc oxide nanocomposites and their field electron emission enhancement. Materials and Design, 2016, 90, 185-195.	3.3	18
159	Electrical properties of Aluminium doped Zinc Oxide nanorods with different dopant percentage. , 2015, , .		1
160	Effect of Sn dopant concentration on structural and electrical properties of ZnO nanostructures based methane gas sensor. , 2015, , .		0
161	Polarization-field hysteresis loop characteristic of nanostructured ZnO/MgO bilayer film based-MFIM capacitor. , 2015, , .		2
162	High-Performance Dye-Sensitized Solar Cells Based on Morphology-Controllable Synthesis of ZnOâ€“ZnS Heterostructure Nanocone Photoanodes. PLoS ONE, 2015, 10, e0123433.	1.1	45

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163	Amorphous Alâ€“Cu alloy nanowires decorated with carbon spheres synthesised from waste engine oil. Journal of Alloys and Compounds, 2015, 642, 111-116.	2.8	6
164	Electrical Properties of Undoped Zinc Oxide Nanostructures at Different Annealing Temperature. Advanced Materials Research, 2015, 1109, 572-576.	0.3	0
165	Transparent antenna using aluminum doped zinc oxide for wireless application. , 2015, , .		10
166	Metamorphosis of strain/stress on optical band gap energy of ZAO thin films via manipulation of thermal annealing process. Journal of Luminescence, 2015, 160, 165-175.	1.5	36
167	Surfactant-free seed-mediated large-scale synthesis of mesoporous TiO2 nanowires. Ceramics International, 2015, 41, 4260-4266.	2.3	5
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