

# Mohamad Hafiz Mamat

## List of Publications by Year in descending order

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394  
papers

2,960  
citations

201674

27  
h-index

276875

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. <i>Materials Today: Proceedings</i> , 2022, 48, 1910-1914.	1.8	2
2	Photocatalytic degradation of methylene blue by flowerlike rutile-phase TiO <sub>2</sub> film grown via hydrothermal method. <i>Journal of Sol-Gel Science and Technology</i> , 2022, 102, 637-648.	2.4	16
3	A guide to designing graphene-philic surfactants. <i>Journal of Colloid and Interface Science</i> , 2022, 620, 346-355.	9.4	2
4	Enhanced magnetoelectric effect in heterogeneous multiferroic (x)CuFe <sub>2</sub> O <sub>4</sub> -(1-x)KNbO <sub>3</sub> nanocomposite. <i>Emergent Materials</i> , 2022, 5, 529-536.	5.7	3
5	Strain-mediated electrical and optical properties of novel lead-free CuFe <sub>2</sub> O <sub>4</sub> -KNbO <sub>3</sub> nanocomposite solid solutions: A combined experimental and Density Functional Theory studies. <i>Microscopy Research and Technique</i> , 2022, 85, 3140-3152.	2.2	3
6	Heterojunction of SnO <sub>2</sub> nanosheet/arrayed ZnO nanorods for humidity sensing. <i>Materials Chemistry and Physics</i> , 2022, 288, 126436.	4.0	15
7	The utilization of waste cooking palm oil as a green carbon source for the growth of multilayer graphene. <i>Journal of the Australian Ceramic Society</i> , 2021, 57, 347-358.	1.9	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. <i>Journal of Science: Advanced Materials and Devices</i> , 2021, 6, 100-107.	3.1	7
9	Photocatalytic performance improvement by utilizing CO <sub>2</sub> /MWCNTs hybrid solution on sand/ZnO/TiO <sub>2</sub> -based photocatalysts to degrade methylene blue dye. <i>Environmental Science and Pollution Research</i> , 2021, 28, 6966-6979.	5.3	13
10	Annealing temperature dependency of structural, optical and electrical characteristics of manganese-doped nickel oxide nanosheet array films for humidity sensing applications. <i>Nanomaterials and Nanotechnology</i> , 2021, 11, 184798042098278.	3.0	12
11	Effect of Surfactants Tail Number on the PVDF/GO/TiO <sub>2</sub> -Based Nanofiltration Membrane for Dye Rejection and Antifouling Performance Improvement. <i>International Journal of Environmental Research</i> , 2021, 15, 149-161.	2.3	9
12	Synthesis and Properties of NiO Nanosheet Array Films on Glass Substrates via Immersion Technique. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 633-644.	0.4	1
13	Fabrication and application of composite adsorbents made by one-pot electrochemical exfoliation of graphite in surfactant ionic liquid/nanocellulose mixtures. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 19313-19328.	2.8	4
14	Piezoelectric energy harvesting based on ZnO: A review. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	9
15	Influence of Doping Concentration on the Zinc Doped Nickel Oxide Nanostructures: Morphological, Structural, and Optical Properties. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 682, 012070.	0.3	2
16	Effects of TiO <sub>2</sub> phase and nanostructures as photoanode on the performance of dye-sensitized solar cells. <i>Bulletin of Materials Science</i> , 2021, 44, 1.	1.7	3
17	Physicochemical properties of surface modified ZnFe <sub>2</sub> O <sub>4</sub> nanocomposite incorporated with bio-templated kapok fiber for photoelectrochemical application. <i>Surface and Interface Analysis</i> , 2021, 53, 637-649.	1.8	0
18	Structural phase instability, mixed-phase, and energy band gap change in BiFeO <sub>3</sub> under lattice strain effect from first-principles investigation. <i>Ceramics International</i> , 2021, 47, 12592-12599.	4.8	8

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19	Carbon nanotubes from waste cooking palm oil as adsorbent materials for the adsorption of heavy metal ions. <i>Environmental Science and Pollution Research</i> , 2021, 28, 65171-65187.	5.3	9
20	Temperature dependant high output voltage generation via mechanical transducer by using surface modified (O <sub>2</sub> , CO <sub>2</sub> , NO <sub>2</sub> ) ZnO nanowires. <i>Microelectronic Engineering</i> , 2021, 248, 111614.	2.4	7
21	PHYSICAL PROPERTIES OF NOVEL $\text{Fe}_2\text{O}_3/\text{NiO}$ HETEROSTRUCTURES THROUGH IMMERSION/ SOL-GEL SPIN COATING METHOD: DIFFERENT DEPOSITION NUMBERS OF NiO LAYER. <i>Jurnal Teknologi (Sciences and) Tj ETQq1 1 0.784314rgBT /Over</i>		
22	Improvement of c-axis (002) AlN crystal plane by temperature assisted HiPIMS technique. <i>Microelectronics International</i> , 2021, 38, 86-92.	0.6	1
23	Effect of nozzle-substrate distance on the structural and optical properties of AZO thin films deposited by spray pyrolysis technique. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	0
24	Growth of Zinc Oxide Thin Film with Titanium Dioxide at Different Concentration Prepared by Hydrothermal Method. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 971-979.	0.4	0
25	High responsivity of ultraviolet sensor-based rutile-phased TiO <sub>2</sub> nanorod arrays using different bias voltage. <i>Journal of the Australian Ceramic Society</i> , 2020, 56, 461-468.	1.9	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. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 149, 106982.	5.0	13
27	Electrochemical exfoliation of graphite in nanofibrillated kenaf cellulose (NFC)/surfactant mixture for the development of conductive paper. <i>Carbohydrate Polymers</i> , 2020, 228, 115376.	10.2	10
28	Solution growth of highly crystalline and dense-packed ZnO nanorods on a TiO <sub>2</sub> seed layer with enhanced absorbance properties. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SAAC10.	1.5	2
29	Developing high-sensitivity UV sensors based on ZnO nanorods grown on TiO <sub>2</sub> seed layer films using solution immersion method. <i>Sensors and Actuators A: Physical</i> , 2020, 302, 111827.	4.1	22
30	Adsorption effect of NO <sub>2</sub> on ZnO (100 nm) nanowires, leading towards reduced reverse leakage current and voltage enhancement. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	1.7	3
31	Dependence of photocatalysis on electron trapping in Ag-doped flowerlike rutile-phase TiO <sub>2</sub> film by facile hydrothermal method. <i>Applied Surface Science</i> , 2020, 534, 147571.	6.1	37
32	Synthesis, transfer and application of graphene as a transparent conductive film: a review. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	1.7	18
33	Chemisorbed CO <sub>2</sub> molecules on ZnO nanowires (100 nm) surface leading towards enhanced piezoelectric voltage. <i>Vacuum</i> , 2020, 182, 109565.	3.5	12
34	Controllable synthesis of Sn:ZnO/SnO <sub>2</sub> nanorods: pH-dependent growth for an ethanol gas sensor. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 15394-15406.	2.2	2
35	Characterization of Titanium Dioxide (TiO <sub>2</sub> ) 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. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 12732-12744.	2.8	8

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37	Fabrication, structural, optical, electrical, and humidity sensing characteristics of hierarchical NiO nanosheet/nanoball-flower-like structure films. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 11673-11687.	2.2	13
38	Analysis on different detection mechanisms involved in ZnO-based photodetector and photodiodes. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 7100-7113.	2.2	47
39	Adsorption effect of oxygen on ZnO Nanowires (100 nm) leading towards pronounced edge effects and voltage enhancement. <i>Materials Research Express</i> , 2020, 7, 095004.	1.6	5
40	Fabrication and structural properties of flower-like TiO <sub>2</sub> nanorod array films grown on glass substrate without FTO layer. <i>Materials Letters</i> , 2020, 273, 127902.	2.6	15
41	Synthesis, structural and optical properties of mesostructured, X-doped NiO (x = Zn, Sn, Fe) nanoflake network films. <i>Materials Research Bulletin</i> , 2020, 127, 110860.	5.2	45
42	Influence of annealing temperature on the sensitivity of nickel oxide nanosheet films in humidity sensing applications. <i>Indonesian Journal of Electrical Engineering and Computer Science</i> , 2020, 18, 284.	0.8	4
43	Effect of Precursors on the Growth and Physiochemical Properties of Bio-mimetic ZnFe <sub>2</sub> O <sub>4</sub> Nanocomposites for Photoelectrochemical Application. <i>Sains Malaysiana</i> , 2020, 49, 3219-3228.	0.5	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 TiO <sub>2</sub> nanotube arrays film. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
46	Incorporation of Electrochemically Exfoliated Graphene Oxide and TiO <sub>2</sub> into Polyvinylidene Fluoride-Based Nanofiltration Membrane for Dye Rejection. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	2.4	20
47	Fabrication of Al-doped ZnO nanorod array using different type and thickness of metal contact. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
48	UV photoresponsivity of sol-gel derived Al-doped ZnO nanorod array. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
49	Investigation on properties of ZnO nanorods grown at different immersion time on TiO <sub>2</sub> seed layer. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
50	Chitosan-assisted hydrothermal synthesis of multiferroic BiFeO <sub>3</sub> : Effects on structural, magnetic and optical properties. <i>Results in Physics</i> , 2019, 15, 102740.	4.1	15
51	Influence of different stabilizers to the growth of ZnO nanostructures on TiO <sub>2</sub> seed layer. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
52	Atmospheric pressure plasma needle jet treated on aluminium thin film for semiconductor industries. <i>Materials Today: Proceedings</i> , 2019, 7, 715-720.	1.8	5
53	Effect of SnO <sub>2</sub> coating to the properties of ZnO nanorod array. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
54	Structural and electrical properties of ZnO and SiO <sub>2</sub> doped ZnO powder for varistor application. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1

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55	High sensitivity ultra-violet photosensor based on nanostructured Nb2O5. AIP Conference Proceedings, 2019, , .	0.4	1
56	Structural, optical, and electrical evolution of sol-gel-immersion grown nickel oxide nanosheet array films on aluminium doping. Journal of Materials Science: Materials in Electronics, 2019, 30, 9916-9930.	2.2	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.	3.5	8
58	Improved DSSC photovoltaic performance using reduced graphene oxide-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.	3.5	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.	9.4	14
61	High Surface Area to Volume Ratio 3D Nanoporous Nb2O5 for Enhanced Humidity Sensing. Journal of Electronic Materials, 2019, 48, 3805-3815.	2.2	12
62	Nanotubular Ta2O5 as ultraviolet (UV) photodetector. Journal of Materials Science: Materials in Electronics, 2019, 30, 4953-4966.	2.2	15
63	Solvents driven structural, morphological, optical and dielectric properties of lead free perovskite CH <sub>3</sub> NH <sub>3</sub> SnCl <sub>3</sub> for optoelectronic applications: experimental and DFT study. Materials Research Express, 2019, 6, 125921.	1.6	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.	2.2	9
66	Electrical Behavior of a Nanoporous Nb2O5/Pt Schottky Contact at Elevated Temperatures. Journal of Electronic Materials, 2019, 48, 611-620.	2.2	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.	2.6	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.	0.8	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.	0.3	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.	0.8	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.	1.8	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. <i>Optik</i> , 2018, 161, 70-83.	2.9	17
74	Improving the photovoltaic performance of DSSCs using a combination of mixed-phase TiO <sub>2</sub> nanostructure photoanode and agglomerated free reduced graphene oxide counter electrode assisted with hyperbranched surfactant. <i>Optik</i> , 2018, 158, 522-534.	2.9	25
75	Rational design of aromatic surfactants for graphene/natural rubber latex nanocomposites with enhanced electrical conductivity. <i>Journal of Colloid and Interface Science</i> , 2018, 516, 34-47.	9.4	41
76	Improvement in photo voltaic performance of rutile-phased TiO <sub>2</sub> nanorod/nanoflower-based dye-sensitized solar cell. <i>Journal of the Australian Ceramic Society</i> , 2018, 54, 663-670.	1.9	2
77	Heterogeneous SnO <sub>2</sub> /ZnO nanoparticulate film: Facile synthesis and humidity sensing capability. <i>Materials Science in Semiconductor Processing</i> , 2018, 81, 127-138.	4.0	40
78	Fabrication and characterization of rutile-phased titanium dioxide (TiO <sub>2</sub> ) nanorods array with various reaction times using one step hydrothermal method. <i>Optik</i> , 2018, 154, 510-515.	2.9	20
79	Enhanced humidity sensing performance using Sn-Doped ZnO nanorod Array/SnO <sub>2</sub> nanowire heteronetwork fabricated via two-step solution immersion. <i>Materials Letters</i> , 2018, 210, 258-262.	2.6	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. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 340, 012003.	0.6	0
82	Investigation of the effect of Anodized Duration toward Photocatalytic Performance of Nb <sub>2</sub> O <sub>5</sub> . <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 340, 012007.	0.6	2
83	Facile Synthesis of N-doped ZnO Nanorod Arrays: Towards Enhancing the UV-sensing Performance. , 2018, , .		0
84	Engineering the Properties of Nb <sub>2</sub> O <sub>5</sub> -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 <sub>2</sub> O <sub>5</sub> /O <sub>2</sub> -Doped Platinum. , 2018, , .		0
87	Structural properties of ZnO nano-template layer by spin coating method. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1
88	2018 IEEE International Conference on Semiconductor Electronics (ICSE) Synthesis, Properties and Humidity Detection of Anodized Nb <sub>2</sub> O <sub>5</sub> Films. , 2018, , .		0
89	Electrical properties of TiO <sub>2</sub> at different deposition frequencies and their application in ZnO/TiO <sub>2</sub> based dye-sensitized solar cells. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
90	ZnO-based transparent conductive thin films via sonicated-assisted sol-gel technique. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1

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91	Effect of growth time to the properties of Al-doped ZnO nanorod arrays. AIP Conference Proceedings, 2018, , .	0.4	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, , .	0.4	6
94	Characterization of barium strontium titanate thin films on sapphire substrate prepared via RF magnetron sputtering system. AIP Conference Proceedings, 2018, , .	0.4	2
95	The performance of hematite nanostructures in different humidity levels. AIP Conference Proceedings, 2018, , .	0.4	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.	2.2	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.	2.2	17
98	Effect of intrinsic zinc oxide coating on the properties of Al-doped zinc oxide nanorod arrays. AIP Conference Proceedings, 2018, , .	0.4	0
99	Sn-doped TiO <sub>2</sub> nanorod arrays produced by facile one step aqueous chemical route: Structural characterization. AIP Conference Proceedings, 2018, , .	0.4	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.	0.6	1
101	Polyethylene glycol assisted growth of Sn-doped ZnO nanorod arrays prepared via sol-gel immersion method. AIP Conference Proceedings, 2018, , .	0.4	0
102	Hydrothermal synthesis of nanomoss Nb <sub>2</sub> O <sub>5</sub> films and their ultraviolet photodetection performance. Journal of Materials Science: Materials in Electronics, 2018, 29, 16765-16774.	2.2	6
103	Plasma diagnostic by optical emission spectroscopy on reactive magnetron sputtering plasma "A Brief Introduction. Journal of Physics: Conference Series, 2018, 1027, 012005.	0.4	2
104	Humidity sensing properties of Al-doped zinc oxide coating films. AIP Conference Proceedings, 2018, , .	0.4	2
105	Effect of different coating layer on the topography and optical properties of ZnO nanostructured. AIP Conference Proceedings, 2018, , .	0.4	0
106	Current-Voltage Characteristics of Nb <sub>2</sub> O <sub>5</sub> nanoporous via light illumination. IOP Conference Series: Materials Science and Engineering, 2018, 340, 012001.	0.6	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.	10.2	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, , .	0.4	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, , .	0.4	0
110	Preparation of TNAs/NiO p-n heterojunction and their applications in UV photosensor. AIP Conference Proceedings, 2018, , .	0.4	1
111	Effect of various SnO <sub>2</sub> pH on ZnO/SnO <sub>2</sub> -composite film via immersion technique. AIP Conference Proceedings, 2018, , .	0.4	0
112	The optical properties of $\hat{I}\pm$ -Fe <sub>2</sub> O <sub>3</sub> nanostructures synthesized with different immersion time. AIP Conference Proceedings, 2018, , .	0.4	2
113	Structural and electrical properties of nanostructured ZnO. AIP Conference Proceedings, 2018, , .	0.4	1
114	Electrical and structural properties of Nb-doped TiO <sub>2</sub> at different Nb concentrations deposited by spin coating technique. AIP Conference Proceedings, 2018, , .	0.4	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.	0.8	1
116	Intrinsic ZnO/Al-doped ZnO Homojunction: Structural and Optical Properties. Indonesian Journal of Electrical Engineering and Computer Science, 2018, 12, 393.	0.8	0
117	Effect of anneal temperature on fluorine doped tin oxide (FTO) nanostructured fabricated using hydrothermal method. AIP Conference Proceedings, 2017, , .	0.4	3
118	Schottky behavior of reduced graphene oxide at various operating temperatures. Surfaces and Interfaces, 2017, 6, 229-236.	3.0	11
119	Dye-sensitized solar Cell using pure anatase TiO <sub>2</sub> annealed at different temperatures. Optik, 2017, 140, 1063-1068.	2.9	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.	2.9	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.	3.7	19
122	Electrical and optical characteristics of atmospheric pressure plasma needle jet driven by neon transformer. AIP Conference Proceedings, 2017, , .	0.4	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.	2.2	11
124	Synthesis and enhanced photocatalytic property of CuO nanostructure via dip coating method. , 2017, , .		0
125	The effect of different ratio (stabilizer $\hat{a}\epsilon$ " 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 <sub>2</sub> 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, , .	0.4	0
130	Effect of thermal implying during ageing process of nanorods growth on the properties of zinc oxide nanorod arrays. AIP Conference Proceedings, 2016, , .	0.4	9
131	Effect of growth time on ZnO nanorod arrays by a facile sonicated sol-gel immersion technique. AIP Conference Proceedings, 2016, , .	0.4	0
132	ZnO/SnO <sub>2</sub> nanoflower based ZnO template synthesized by thermal chemical vapor deposition. AIP Conference Proceedings, 2016, , .	0.4	0
133	Electrical properties of undoped zinc oxide nanostructures at different annealing temperature. AIP Conference Proceedings, 2016, , .	0.4	1
134	Effect of Nb-doped TiO <sub>2</sub> on nanocomposited aligned ZnO nanorod/TiO <sub>2</sub> :Nb for dye-sensitized solar cells. AIP Conference Proceedings, 2016, , .	0.4	4
135	A study on different morphological structures of zinc oxide nanostructures for humidity sensing application. AIP Conference Proceedings, 2016, , .	0.4	14
136	Electrical properties of tin-doped zinc oxide nanostructures doped at different dopant concentrations. AIP Conference Proceedings, 2016, , .	0.4	2
137	Preparation of nickel oxide thin films at different annealing temperature by sol-gel spin coating method. AIP Conference Proceedings, 2016, , .	0.4	5
138	Electrical properties of Mg doped ZnO nanostructure annealed at different temperature. AIP Conference Proceedings, 2016, , .	0.4	0
139	Percentage of different aluminum doping influence the morphological and optical properties of ZnO nanostructured growth for sensor application. AIP Conference Proceedings, 2016, , .	0.4	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 TiO <sub>2</sub> 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 $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> ; 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 TiO <sub>2</sub> thickness on nanocomposited aligned ZnO nanorod/TiO <sub>2</sub> for dye-sensitized solar cells. AIP Conference Proceedings, 2016, , .	0.4	1
148	Raman investigation of rutile-phased TiO <sub>2</sub> nanorods/nanoflowers with various reaction times using one step hydrothermal method. Journal of Materials Science: Materials in Electronics, 2016, 27, 7920-7926.	2.2	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.	2.2	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
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