

Naser M Ahmed

List of Publications by Year in descending order

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201674

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citing authors

#	ARTICLE	IF	CITATIONS
1	Amperometric room temperature hydrogen gas sensor based on the conjugated polymers of polypyrrole-polyethylene oxide nanofibers synthesised via electrospinning. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 7068-7078.	2.2	6
2	Photovoltaic Performance of Spherical TiO ₂ Nanoparticles Derived from Titanium Hydroxide Ti(OH) ₄ : Role of Annealing Varying Temperature. <i>Energies</i> , 2022, 15, 1648.	3.1	4
3	Formation of titanium dioxide/poly(vinylpyrrolidone) nanostructure composite by changing the flow rate of polymer solution during electrospinning. <i>Bulletin of Materials Science</i> , 2022, 45, .	1.7	2
4	pH sensor based on AuNPs/ ITO membrane as extended gate field-effect transistor. <i>Applied Physics B: Lasers and Optics</i> , 2022, 128, 1.	2.2	6
5	Ionization Radiation Shielding Effectiveness of Lead Acetate, Lead Nitrate, and Bismuth Nitrate-Doped Zinc Oxide Nanorods Thin Films: A Comparative Evaluation. <i>Materials</i> , 2022, 15, 3.	2.9	4
6	Synthesis ZnO nanoclusters micro active area using continues wave blue laser-assisted chemical bath deposition based on UV photodetector. <i>Optik</i> , 2022, 260, 169099.	2.9	9
7	High sensitive UV photodetector based on ZnS/PS thin film prepared via spray pyrolysis method. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2022, 44, 5303-5313.	2.3	2
8	Photoconversion efficiency of In ₂ S ₃ /ZnO core-shell heterostructures nanorod arrays deposited via controlled SILAR cycles. <i>Heliyon</i> , 2022, 8, e09959.	3.2	7
9	Hydrogen gas sensor based on nanofibers TiO ₂ -PVP thin film at room temperature prepared by electrospinning. <i>Microsystem Technologies</i> , 2021, 27, 293-299.	2.0	16
10	Multilayer ZnO/Pb/C thin film based extended gate field effect transistor for low dose gamma irradiation detection. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2021, 987, 164833.	1.6	7
11	Engineering and gamma-ray attenuation properties of steel furnace slag heavyweight concrete with nano calcium carbonate and silica. <i>Construction and Building Materials</i> , 2021, 267, 120878.	7.2	20
12	Broadband visible emission from photoelectrochemical etched porous silicon quantum dots containing zinc. <i>Materials Chemistry and Physics</i> , 2021, 258, 123935.	4.0	10
13	Effect of nano zinc oxide and silica on mechanical, fluid transport and radiation attenuation properties of steel furnace slag heavyweight concrete. <i>Construction and Building Materials</i> , 2021, 274, 121785.	7.2	34
14	White, blue and green emission from Si QDs derived from zinc incorporated porous silicon. <i>Journal of Luminescence</i> , 2021, 232, 117845.	3.1	8
15	Atomistic modeling of InGaN/GaN quantum dots-in-nanowire for graded surface-emitting low-threshold, blue exciton laser. <i>Results in Physics</i> , 2021, 20, 103732.	4.1	5
16	Rapid synthesis of Ce ³⁺ :YAG via CO ₂ laser irradiation combustion method: Influence of Ce doping and thickness of phosphor ceramic on the performance of a white LED device. <i>Journal of Solid State Chemistry</i> , 2021, 294, 121866.	2.9	12
17	Innovative Approaches to Synthesize Novel Graphene Materials. <i>Current Nanoscience</i> , 2021, 17, .	1.2	1
18	Development of EGFET-based ITO pH sensors using epoxy free membrane. <i>Semiconductor Science and Technology</i> , 2021, 36, 045027.	2.0	13

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19	Green synthesis of zinc oxide nanoparticles using salvia officials extract. Materials Science in Semiconductor Processing, 2021, 125, 105641.	4.0	24
20	ZnO quantum dot based thin films as promising electron transport layer: Influence of surface-to-volume ratio on the photoelectric properties. Ceramics International, 2021, 47, 12397-12409.	4.8	18
21	IMPROVEMENT IN STRUCTURAL, OPTICAL AND ELECTRICAL PROPERTIES OF ITO FILM THROUGH AIN AND HfO ₂ BUFFER LAYERS. Surface Review and Letters, 2021, 28, .	1.1	3
22	Modern heavyweight concrete shielding: Principles, industrial applications and future challenges; review. Journal of Building Engineering, 2021, 39, 102290.	3.4	20
23	Effect of sulphuric acid (H ₂ SO ₄) on the growth process of two-dimensional zinc oxide (ZnO) structures prepared by chemical bath deposition. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	1
24	Synthesis & thermoluminescence characteristics & structural and optical studies of ZnO/Ag/ZnO system for dosimetric applications. Journal of Luminescence, 2021, 236, 118097.	3.1	11
25	Extended Gate Field Effect Transistor-Based N-Type Gallium Nitride as a pH Sensor. Journal of Electronic Materials, 2021, 50, 7071-7077.	2.2	1
26	The effect of deposition angle on morphology and diameter of electrospun TiO ₂ /PVP nanofibers. Nanocomposites, 2021, 7, 70-78.	4.2	5
27	Structural and optical properties of ZnO nanoflakes/Al/glass via laser-assisted chemical bath deposition (LACBD) technique. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	0
28	Investigation of X-ray Radiation Detectability Using Fabricated ZnO-PB Based Extended Gate Field-Effect Transistor as X-ray Dosimeters. Applied Sciences (Switzerland), 2021, 11, 11258.	2.5	1
29	Enhancement of Temperature Fluorescence Brightness of Zn@Si Core-Shell Quantum Dots Produced via a Unified Strategy. Nanomaterials, 2021, 11, 3158.	4.1	2
30	Improvement of Porous GaN-Based UV Photodetector with Graphene Cladding. Applied Sciences (Switzerland), 2021, 11, 10833.	2.5	2
31	Numerical Modelling Analysis for Carrier Concentration Level Optimization of CdTe Heterojunction Thin Film-Based Solar Cell with Different Non-Toxic Metal Chalcogenide Buffer Layers Replacements: Using SCAPS-1D Software. Crystals, 2021, 11, 1454.	2.2	23
32	Sensitivity of Nickel Oxide Nanoflakes Layer on Extend Gate Field Effect Transistor for pH Sensor. Springer Proceedings in Complexity, 2021, , 303-313.	0.3	1
33	Synthesis of Architectural-Cubic Porous Silicon by Electroless Stain Etching in V ₂ O ₅ and HF Solution. Silicon, 2020, 12, 1761-1768.	3.3	0
34	Effect of Sn doping and annealing on the morphology, structural, optical, and electrical properties of 3D (micro/nano) V ₂ O ₅ sphere for high sensitivity pH-EGFET sensor. Sensors and Actuators B: Chemical, 2020, 305, 127515.	7.8	17
35	Ce-doped YAG single-crystals prepared by continuous wave (CW) CO ₂ laser combustion technique with attractive characteristics and moderate white LED performance. Optics and Laser Technology, 2020, 132, 106506.	4.6	10
36	Fabrication and Characterization of Light Emitting Diode Based on n-ZnO Nanorods Grown Via a Low-Temperature. Journal of Physics: Conference Series, 2020, 1535, 012009.	0.4	1

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37	Tin Sulfide Flower-Like Structure as High-Performance Near-Infrared Photodetector. Journal of Electronic Materials, 2020, 49, 5824-5830.	2.2	9
38	Structural and Optical Properties of Nanofibers Prepared with Electrospinning by Using PMMA Integrated with Curcuminoids to Produce White LED. Fibers and Polymers, 2020, 21, 1733-1742.	2.1	3
39	Effect of Addition of Polyaniline on Polyethylene Oxide and Polyvinyl Alcohol for the Fabrication of Nanorods. ACS Omega, 2020, 5, 22389-22394.	3.5	11
40	A high-performance near-infrared photodetector based on In-SnS phase. Materials Letters, 2020, 273, 127910.	2.6	14
41	Investigation on the characteristics of ZnO and ZnO-Pb structure for gamma radiation detection. Journal of Physics: Conference Series, 2020, 1535, 012028.	0.4	1
42	UV Photodetector Based on p-NiO film/n-Si Heterojunction Prepared by Thermal Oxidation. Journal of Physics: Conference Series, 2020, 1535, 012001.	0.4	6
43	Ultraviolet electroluminescence from flowers-like n-ZnO nanorods/p-GaN light-emitting diode fabricated by modified chemical bath deposition. Journal of Luminescence, 2020, 226, 117510.	3.1	21
44	Physicomechanical and gamma-ray shielding properties of high-strength heavyweight concrete containing steel furnace slag aggregate. Journal of Building Engineering, 2020, 30, 101306.	3.4	23
45	Study of acidosis, neutral and alkalosis media effects on the behaviour of activated carbon threads decorated by zinc oxide using extended gate FET for glucose sensor application. Materials Science in Semiconductor Processing, 2020, 108, 104911.	4.0	11
46	Silicon quantum dot/black silicon hybrid nanostructure for broadband reflection reduction. Materials Science in Semiconductor Processing, 2020, 115, 105113.	4.0	6
47	Areca catechu extracted natural new sensitizer for dye-sensitized solar cell: performance evaluation. Journal of Materials Science: Materials in Electronics, 2020, 31, 3564-3575.	2.2	28
48	Effect of nano-silica slurry on engineering, X-ray, and γ -ray attenuation characteristics of steel slag high-strength heavyweight concrete. Nanotechnology Reviews, 2020, 9, 1245-1264.	5.8	8
49	Challenges in Nanobiosensor Aiming Bioscience Applications. Nanotechnology in the Life Sciences, 2020, , 187-195.	0.6	0
50	Characterization of nickel/indium tin oxide based extended gate-field effect transistor as glucose sensor in acidosis, normal and alkalosis media. Materials Science in Semiconductor Processing, 2019, 103, 104626.	4.0	3
51	EBT3 Films in Low Solar Ultraviolet and X-Ray Dose Measurement: A Comparative Analysis. Dose-Response, 2019, 17, 155932581985553.	1.6	3
52	Optimization of Precursor Concentration for the Fabrication of V2O5 Nanorods and their MSM Photodetector on Silicon Substrate. Journal of Electronic Materials, 2019, 48, 5640-5649.	2.2	3
53	A novel porous silicon multi-ions selective electrode based extended gate field effect transistor for sodium, potassium, calcium, and magnesium sensor. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	21
54	Low power consumption UV sensor based on n-ZnO/p-Si junctions. Journal of Materials Science: Materials in Electronics, 2019, 30, 19639-19646.	2.2	6

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55	Experimental investigation of unique color-changing property of multicolored sparkling of microbubbles formed due to femtosecond laser-water interaction. <i>Modern Physics Letters B</i> , 2019, 33, 1950208.	1.9	1
56	AAO-Assisted Synthesis of Aligned CuO Nanorod Arrays by Electrochemical Deposition for Self-powered NIR Photodetection. <i>Journal of Electronic Materials</i> , 2019, 48, 7465-7473.	2.2	3
57	Growth of ZnS Thin Films using Chemical Spray Pyrolysis Technique. <i>Materials Today: Proceedings</i> , 2019, 17, 912-920.	1.8	11
58	Dependence of pH on phase stability, optical and photoelectrical properties of SnS thin films. <i>Superlattices and Microstructures</i> , 2019, 128, 170-176.	3.1	18
59	Comprehensive photoresponse study on high performance and flexible In-SnS photodetector with near-infrared response. <i>Materials Science in Semiconductor Processing</i> , 2019, 100, 270-274.	4.0	22
60	Synthesis of quantum dot porous silicon as extended gate field effect transistor (EGFET) for a pH sensor application. <i>Materials Science in Semiconductor Processing</i> , 2019, 100, 167-174.	4.0	12
61	Hydrothermal and solvothermal synthesis of nanorods and 3D (micro/nano) V ₂ O ₅ on macro PSi substrate for pH-EGFET sensors. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 11193-11207.	2.2	8
62	The effect of post annealing temperature on grain size of indium-tin-oxide for optical and electrical properties improvement. <i>Results in Physics</i> , 2019, 13, 102159.	4.1	91
63	Investigation of sintering temperature and Ce ³⁺ concentration in YAG:Ce phosphor powder prepared by microwave combustion for white-light-emitting diode luminance applications. <i>Materials Chemistry and Physics</i> , 2019, 229, 22-31.	4.0	14
64	Enhanced white light luminescence of Ce ³⁺ - activated Y ₃ Al ₅ O ₁₂ phosphors powder synthesized via continuous wave (CW) CO ₂ laser-assisted combustion. , 2019, , .		1
65	Low-Intensity UV light sensor based on p-NiO/n-Si heterojunction. <i>Materials Research Express</i> , 2019, 6, 126332.	1.6	13
66	Thermal evaporation based V ₂ O ₅ thin film for extended gate field effect transistor pH sensor. <i>Materials Research Express</i> , 2019, 6, 125423.	1.6	6
67	Effect of gamma irradiation dose on the structure and pH sensitivity of ITO thin films in extended gate field effect transistor. <i>Results in Physics</i> , 2019, 12, 615-622.	4.1	16
68	Catalytic Growth of 1D ZnO Nanoneedles on Glass Substrates Through Vapor Transport. <i>Journal of Electronic Materials</i> , 2019, 48, 1660-1668.	2.2	7
69	Single- and double-thread activated carbon fibers for pH sensing. <i>Materials Chemistry and Physics</i> , 2019, 221, 288-294.	4.0	10
70	High-performance nanoporous silicon-based photodetectors. <i>Optik</i> , 2018, 168, 424-431.	2.9	7
71	Study of the structural and luminescent properties of Ce ³⁺ and Eu ³⁺ co-doped YAG synthesized by solid state reaction. <i>Optik</i> , 2018, 158, 152-163.	2.9	20
72	High performance and low-cost UV-Visible-NIR photodetector based on tin sulphide nanostructures. <i>Journal of Alloys and Compounds</i> , 2018, 735, 2256-2262.	5.5	50

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73	Ag metal mid layer based on new sensing multilayers structure extended gate field effect transistor (EG-FET) for pH sensor. <i>Materials Science in Semiconductor Processing</i> , 2018, 74, 51-56.	4.0	10
74	Effects of ZnO seed layer thickness on catalyst-free growth of ZnO nanostructures for enhanced UV photoresponse. <i>Optics and Laser Technology</i> , 2018, 98, 344-353.	4.6	37
75	Influence of pH value on structural, optical and photoresponse properties of SnS films grown via chemical bath deposition. <i>Materials Letters</i> , 2018, 210, 279-282.	2.6	30
76	Effect of Annealing Time of YAG:Ce ³⁺ Phosphor on White Light Chromaticity Values. <i>Journal of Electronic Materials</i> , 2018, 47, 1638-1646.	2.2	24
77	Optical and structural properties of curcuminoids extracted from <i>Curcuma longa</i> L. for hybrid white light diode. <i>EPJ Applied Physics</i> , 2018, 84, 10501.	0.7	6
78	Ex-situ Generation of the Gold Nanowire Networks Bovine Serum Albumin Bio-Conjugated System Using Pulsed Laser Ablation in a Harsh Environment. <i>Journal of Physics: Conference Series</i> , 2018, 1083, 012011.	0.4	0
79	Hydrothermal Synthesis and Structural Properties of V ₂ O ₅ Nanoflowers at Low Temperatures. <i>Journal of Physics: Conference Series</i> , 2018, 1083, 012036.	0.4	6
80	pH Sensing Characteristics of CuS/ZnO Thin Film Implemented as EGFET. <i>Journal of Physics: Conference Series</i> , 2018, 1083, 012055.	0.4	2
81	Structural, Electrical and Optical Properties of Sputtered-Grown InN Films on ZnO Buffered Silicon, Bulk GaN, Quartz and Sapphire Substrates. <i>Journal of Electronic Materials</i> , 2018, 47, 4875-4881.	2.2	4
82	Influence of growth temperature and duration on different properties of ultra-long ZnO nanorods grown by modified chemical bath deposition method. <i>Materials Research Express</i> , 2018, 5, 095020.	1.6	7
83	Impact of ablation time on Cu oxide nanoparticle green synthesis via pulsed laser ablation in liquid media. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	21
84	Electrochemical Hydrogen Peroxide Sensor Based on Macroporous Silicon. <i>Sensors</i> , 2018, 18, 716.	3.8	16
85	Porous Formation in p-Type Gallium Nitride Films via 50ÂHz Operated Alternating Current-Assisted Photo-Electrochemical Etching in Methanol-Sulfuric Acid Solution. <i>Journal of the Electrochemical Society</i> , 2018, 165, H620-H628.	2.9	11
86	Conductometric Gas Sensing Based on ZnO Thin Films: An Impedance Spectroscopy Study. <i>ECS Journal of Solid State Science and Technology</i> , 2018, 7, P487-P490.	1.8	6
87	ZnO Nanorods/Polyaniline Heterojunction onto SiO ₂ for Photosensor. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2018, 13, 1034-1040.	0.5	3
88	Structural, Electrical and Optical Properties of NiO Nanostructured Growth Using Thermal Wet and Dry Oxidation of Nickel Metal Thin Film. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2018, 13, 628-636.	0.5	0
89	Effects of low-level laser irradiation on human blood lymphocytes in vitro. <i>Lasers in Medical Science</i> , 2017, 32, 405-411.	2.1	9
90	A novel CuS thin film deposition method by laser-assisted spray photolysis deposition and its application to EGFET. <i>Sensors and Actuators B: Chemical</i> , 2017, 247, 197-215.	7.8	15

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91	Control of Phase, Structural and Optical Properties of Tin Sulfide Nanostructured Thin Films Grown via Chemical Bath Deposition. <i>Journal of Electronic Materials</i> , 2017, 46, 4227-4235.	2.2	23
92	Using Deionized Water with Ethanol as a Solvent of CuS EGFET as pH Sensor. <i>Materials Science Forum</i> , 2017, 886, 37-41.	0.3	2
93	High performance near infrared photodetector based on cubic crystal structure SnS thin film on a glass substrate. <i>Materials Letters</i> , 2017, 200, 10-13.	2.6	59
94	Characteristics of Extended-Gate Field-Effect Transistor (EGFET) Based on Porous n-Type (111) Silicon for Use in pH Sensors. <i>Journal of Electronic Materials</i> , 2017, 46, 5804-5813.	2.2	24
95	Laser-induced solution combustion of nano-Y ₂ O ₃ :0.04Ce phosphors and their fluorescent properties for white light conversion. <i>Journal of Alloys and Compounds</i> , 2017, 711, 42-50.	5.5	14
96	A comparative study of InN growth on quartz, silicon, C-sapphire and bulk GaN substrates by RF magnetron sputtering. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 9228-9236.	2.2	7
97	Growth mechanism of seed/catalyst-free zinc oxide nanowire balls using intermittently pumped carrier gas: Synthesis, characterization and applications. <i>Optical Materials</i> , 2017, 67, 70-77.	3.6	4
98	Influences of substrate type on the pH sensitivity of CuS thin films EGFET prepared by spray pyrolysis deposition. <i>Materials Science in Semiconductor Processing</i> , 2017, 63, 269-278.	4.0	28
99	Laser-induced changes of in vitro erythrocyte sedimentation rate. <i>Lasers in Medical Science</i> , 2017, 32, 2089-2095.	2.1	8
100	Flexible low-cost infrared photodetector based on SnS thin film grown by chemical bath deposition. <i>Materials Research Express</i> , 2017, 4, 105033.	1.6	18
101	One-Step Synthesis of Stable Colloidal Gold Nanoparticles Through Bioconjugation with Bovine Serum Albumin in Harsh Environments. <i>Journal of Cluster Science</i> , 2017, 28, 3193-3207.	3.3	6
102	Structural, Electrical and Optical Properties of NiO Nanostructured Growth Using Thermal Wet Oxidation of Nickel Metal Thin Film. <i>Journal of Nano Research</i> , 2017, 49, 56-65.	0.8	2
103	A study of the effects of aligned vertically growth time on ZnO nanorods deposited for the first time on Teflon substrate. <i>Applied Surface Science</i> , 2017, 426, 906-912.	6.1	33
104	Sputtered growth of high mobility InN thin films on different substrates using Cu-ZnO buffer layer. <i>Materials Science in Semiconductor Processing</i> , 2017, 71, 166-173.	4.0	9
105	Fabrication, characterization of ZnO nanorods on the flexible substrate (Kapton tape) via chemical bath deposition for UV photodetector applications. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	15
106	Effects of low power violet laser irradiation on red blood cells volume and erythrocyte sedimentation rate in human blood. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	4
107	Influence of CuS membrane annealing time on the sensitivity of EGFET pH sensor. <i>Materials Science in Semiconductor Processing</i> , 2017, 71, 217-225.	4.0	30
108	Photo-electrochemically synthesized light emitting nanoporous silicon based UV photodetector: influence of current density. <i>Materials Research Express</i> , 2017, 4, 116203.	1.6	7

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109	Properties of NiO nanostructured growth using thermal dry oxidation of nickel metal thin film for hydrogen gas sensing at room temperature. <i>Materials Research Express</i> , 2017, 4, 075009.	1.6	13
110	Multilayer ZnO/Pd/ZnO Structure as Sensing Membrane for Extended-Gate Field-Effect Transistor (EGFET) with High pH Sensitivity. <i>Journal of Electronic Materials</i> , 2017, 46, 5901-5908.	2.2	16
111	Sensitivity of CuS Membrane pH Sensor With and Without MOSFET. <i>Jom</i> , 2017, 69, 1134-1142.	1.9	13
112	High sensitivity extended gate effect transistor based on V2O5 nanorods. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 1364-1369.	2.2	21
113	Catalytic growth of one-dimensional single-crystalline ZnO nanostructures on glass substrate by vapor transport. <i>Ceramics International</i> , 2017, 43, 610-616.	4.8	12
114	Effects of ammonia-ambient annealing on physical and electrical characteristics of rare earth CeO2 as passivation film on silicon. <i>Journal of Alloys and Compounds</i> , 2017, 695, 3104-3115.	5.5	27
115	Effects of Concentration and Substrate Type on Structure and Conductivity of p-Type CuS Thin Films Grown by Spray Pyrolysis Deposition. <i>Journal of Electronic Materials</i> , 2017, 46, 218-225.	2.2	7
116	Influence of the spray distance to substrate on optical properties of chemically sprayed ZnS thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 371-375.	2.2	5
117	EFFECT OF ETCHING TIME ON OPTICAL AND MORPHOLOGICAL FEATURES OF N-TYPE POROUS SILICON PREPARED BY PHOTO-ELECTROCHEMICAL METHOD. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016, 78, .	0.4	1
118	Responsivity Dependent Anodization Current Density of Nanoporous Silicon Based MSM Photodetector. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-8.	2.7	16
119	High Sensitivity pH Sensor Based on Porous Silicon (PSi) Extended Gate Field-Effect Transistor. <i>Sensors</i> , 2016, 16, 839.	3.8	68
120	Influence of solution deposition rate on properties of V2O5 thin films deposited by spray pyrolysis technique. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	9
121	The correlation of blue shift of photoluminescence and morphology of silicon nanoporous. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	4
122	Novel nanorods based on PANI / PEO polymers using electrospinning method. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	1
123	Hydrothermal growth and characterization of vertically well-aligned and dense ZnO nanorods on glass and silicon using a simple optimizer system. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	1
124	Growth and characterization of V2O5 nanorods deposited by spray pyrolysis at low temperatures. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	1
125	A highly sensitive flexible SnS thin film photodetector in the ultraviolet to near infrared prepared by chemical bath deposition. <i>RSC Advances</i> , 2016, 6, 114980-114988.	3.6	96
126	Characterization of ZnO/Cu/ZnO multilayers structure for solar cell devices. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	0

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127	CuS p-type thin film characterization deposited on Ti, ITO and glass substrates using spray pyrolysis deposition (SPD) for light emitting diode (LED) application. AIP Conference Proceedings, 2016, , .	0.4	2
128	Preparation of CuO nanoparticles by laser ablation in liquid. AIP Conference Proceedings, 2016, , .	0.4	14
129	Effect of Deposition Temperature on Structural and Optical Properties of Chemically Sprayed ZnS Thin Films. Procedia Chemistry, 2016, 19, 485-491.	0.7	11
130	High Responsivity IR Photodetector Based on CuO Nanorod Arrays/AAO Assembly. Procedia Chemistry, 2016, 19, 311-318.	0.7	11
131	UV sensing of twinned ZnOâ€“PANI composite. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	10
132	The Effect of the Annealing on the Properties of ZnO/Cu/ZnO Multilayer Structures. Procedia Chemistry, 2016, 19, 38-44.	0.7	4
133	High performance CuS p-type thin film as a hydrogen gas sensor. Sensors and Actuators A: Physical, 2016, 249, 68-76.	4.1	50
134	Low-power UV photodetection characteristics of ZnO tetrapods grown on catalyst-free glass substrate. Sensors and Actuators A: Physical, 2016, 250, 187-194.	4.1	18
135	Study of laser intensity on gold nano-particles preparation in a harsh environment. , 2016, , .		0
136	In vitro effects of low level yellow laser irradiation on human red blood cells. , 2016, , .		2
137	High-performance pâ€“n heterojunction photodetectors based on V2O5 nanorods by spray pyrolysis. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	26
138	Sensitivity of CuS and CuS/ITO EGFETs implemented as pH sensors. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	18
139	Fabrication and characterization of V2O5 nanorods based metalâ€“semiconductorâ€“metal photodetector. Sensors and Actuators A: Physical, 2016, 250, 250-257.	4.1	98
140	A high-sensitivity, fast-response, rapid-recovery UV photodetector fabricated based on catalyst-free growth of ZnO nanowire networks on glass substrate. Optical Materials, 2016, 60, 30-37.	3.6	82
141	ZnO nanofiber (NFs) growth from ZnO nanowires (NWs) by controlling growth temperature on flexible Teflon substrate by CBD technique for UV photodetector. Superlattices and Microstructures, 2016, 100, 1120-1127.	3.1	27
142	Simulation of optimum parameters for GaN MSM UV photodetector. AIP Conference Proceedings, 2016, , .	0.4	2
143	Catalyst-free growth of ZnO nanowires on ITO seed/glass by thermal evaporation method: Effects of ITO seed layer thickness. AIP Conference Proceedings, 2016, , .	0.4	4
144	Surface Alteration of Planar P-Type Gallium Nitride to Porous Structure Using 50 Hz Alternating Current-Assisted Photo-Electrochemical Etching Route. Journal of the Electrochemical Society, 2016, 163, H642-H651.	2.9	10

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145	Control growth of catalyst-free ZnO tetrapods on glass substrate by thermal evaporation method. <i>Ceramics International</i> , 2016, 42, 13144-13150.	4.8	6
146	Effect of Annealing on the Electrical Properties of Cu ₂ S Thin Films. <i>Procedia Chemistry</i> , 2016, 19, 15-20.	0.7	22
147	Fabrication of a highly flexible low-cost H ₂ gas sensor using ZnO nanorods grown on an ultra-thin nylon substrate. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 9461-9469.	2.2	38
148	Room temperature hydrogen gas sensing characteristics of porous quaternary AlInGaN film prepared via UV-assisted photo-electrochemical etching. <i>Superlattices and Microstructures</i> , 2016, 95, 65-70.	3.1	2
149	Erythrocyte sedimentation rate of human blood exposed to low-level laser. <i>Lasers in Medical Science</i> , 2016, 31, 1195-1201.	2.1	19
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