

Omer Nur

List of Publications by Year in descending order

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274
papers

9,003
citations

44444

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times ranked

11862
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient and Stable Co ₃ O ₄ /ZnO Nanocomposite for Photochemical Water Splitting. <i>Journal of Cluster Science</i> , 2022, 33, 387-394.	1.7	3
2	Electrochemical genosensor based on gold nanostars for the detection of <i>Escherichia coli</i> O157:H7 DNA. <i>Analytical Methods</i> , 2022, 14, 1562-1570.	1.3	9
3	Synthesis and magnetic properties of Ni _{0.5} Mg _x Zn _{0.5-x} Fe ₂ O ₄ (0.0 ≤ x ≤ 0.5) nanocrystalline spinel ferrites. <i>Materials Chemistry and Physics</i> , 2021, 257, 123770.	2.0	15
4	Gold nanomaterials for optical biosensing and bioimaging. <i>Nanoscale Advances</i> , 2021, 3, 2679-2698.	2.2	76
5	Synthesis of Vertically Aligned ZnO Nanorods Using Sol-gel Seeding and Colloidal Lithography Patterning. <i>Nanoscale Research Letters</i> , 2021, 16, 46.	3.1	13
6	Effect of Annealing Atmosphere on the Diode Behaviour of ZnO/Si Heterojunction. <i>Elektronika Ir Elektrotechnika</i> , 2021, 27, 49-54.	0.4	1
7	Solar-Driven Photoelectrochemical Performance of Novel ZnO/Ag ₂ WO ₄ /AgBr Nanorods-Based Photoelectrodes. <i>Nanoscale Research Letters</i> , 2021, 16, 133.	3.1	3
8	Effect of annealing temperature on the interface state density of n-ZnO nanorod/p-Si heterojunction diodes. <i>Open Physics</i> , 2021, 19, 467-476.	0.8	6
9	Light-induced high-spin state in ZnO nanoparticles. <i>Nanotechnology</i> , 2020, 31, 095707.	1.3	4
10	Synthesis of Mg-doped ZnO NPs via a chemical low-temperature method and investigation of the efficient photocatalytic activity for the degradation of dyes under solar light. <i>Solid State Sciences</i> , 2020, 99, 106053.	1.5	46
11	Recent Progress on the Electrochemical Biosensing of <i>Escherichia coli</i> O157:H7: Material and Methods Overview. <i>Biosensors</i> , 2020, 10, 54.	2.3	29
12	Reduction of Energy Consumption in Cement Industry Using Zinc Oxide Nanoparticles. <i>Journal of Materials in Civil Engineering</i> , 2020, 32, .	1.3	8
13	Synthesis, structural, optical and magnetic properties of NiFe ₂ O ₄ /MWCNTs/ZnO hybrid nanocomposite for solar radiation driven photocatalytic degradation and magnetic separation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 592, 124586.	2.3	41
14	Phenomenon at the nanoscale. , 2020, , 13-48.		0
15	Conventional nanofabrication methods. , 2020, , 49-86.		5
16	Low-temperature chemical nanofabrication methods. , 2020, , 149-211.		5
17	Emerging new applications. , 2020, , 213-236.		0
18	Electrical Characterization of Si/ZnO Nanorod PN Heterojunction Diode. <i>Advances in Condensed Matter Physics</i> , 2020, 2020, 1-9.	0.4	26

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19	Efficient photo catalysts based on silver doped ZnO nanorods for the photo degradation of methyl orange. <i>Ceramics International</i> , 2019, 45, 23289-23297.	2.3	46
20	Advanced Co ₃ O ₄ @CuO nano-composite based electrocatalyst for efficient hydrogen evolution reaction in alkaline media. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 26148-26157.	3.8	63
21	An efficient bifunctional electrocatalyst based on a nickel iron layered double hydroxide functionalized Co ₃ O ₄ core shell structure in alkaline media. <i>Catalysis Science and Technology</i> , 2019, 9, 2879-2887.	2.1	27
22	ZnO/Ag/Ag ₂ WO ₄ photo-electrodes with plasmonic behavior for enhanced photoelectrochemical water oxidation. <i>RSC Advances</i> , 2019, 9, 8271-8279.	1.7	28
23	Optical properties from photoelectron energy-loss spectroscopy of low-temperature aqueous chemically synthesized ZnO nanorods grown on Si. <i>Semiconductor Science and Technology</i> , 2019, 34, 045019.	1.0	1
24	n-ZnO@Ag ₂ CrO ₄ heterojunction photoelectrodes with enhanced visible-light photoelectrochemical properties. <i>RSC Advances</i> , 2019, 9, 7992-8001.	1.7	25
25	Efficient Ni@Fe layered double hydroxides/ZnO nanostructures for photochemical water splitting. <i>Journal of Solid State Chemistry</i> , 2019, 273, 186-191.	1.4	8
26	Graphene-based plasmonic nanocomposites for highly enhanced solar-driven photocatalytic activities. <i>RSC Advances</i> , 2019, 9, 30585-30598.	1.7	17
27	The chemically reduced CuO@Co ₃ O ₄ composite as a highly efficient electrocatalyst for oxygen evolution reaction in alkaline media. <i>Catalysis Science and Technology</i> , 2019, 9, 6274-6284.	2.1	24
28	Zinc oxide nano-rods based glucose biosensor devices fabrication. <i>Results in Physics</i> , 2018, 9, 809-814.	2.0	43
29	Polyethylene glycol-doped BiZn ₂ VO ₆ as a high-efficiency solar-light-activated photocatalyst with substantial durability toward photodegradation of organic contaminations. <i>RSC Advances</i> , 2018, 8, 37480-37491.	1.7	6
30	Synthesis of ZnO nanoparticles by co-precipitation method for solar driven photodegradation of Congo red dye at different pH. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2018, 32, 11-18.	1.0	174
31	Influence of morphology on electrical and optical properties of graphene/Al-doped ZnO-nanorod composites. <i>Nanotechnology</i> , 2018, 29, 415201.	1.3	17
32	Optical and magneto-optical properties of zinc-oxide nanostructures grown by the low-temperature chemical route. , 2018, , .		1
33	Raman Submicron Spatial Mapping of Individual Mn-doped ZnO Nanorods. <i>Nanoscale Research Letters</i> , 2017, 12, 351.	3.1	51
34	Zinc oxide piezoelectric nano-generators for low frequency applications. <i>Semiconductor Science and Technology</i> , 2017, 32, 064005.	1.0	45
35	Core-defect reduction in ZnO nanorods by cobalt incorporation. <i>Nanotechnology</i> , 2017, 28, 285705.	1.3	9
36	An effective low-temperature solution synthesis of Co-doped [0001]-oriented ZnO nanorods. <i>Journal of Applied Physics</i> , 2017, 121, .	1.1	9

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37	Zinc oxide nanostructures and its nano-compounds for efficient visible light photo-catalytic processes. Proceedings of SPIE, 2017, , .	0.8	3
38	Low-temperature growth of polyethylene glycol-doped BiZn ₂ VO ₆ nanocompounds with enhanced photoelectrochemical properties. Journal of Materials Chemistry A, 2017, 5, 1112-1119.	5.2	6
39	EPR investigation of pure and Co-doped ZnO oriented nanocrystals. Nanotechnology, 2017, 28, 035705.	1.3	13
40	Seed layer synthesis effect on the concentration of interface defects and emission spectra of ZnO nanorods/p-GaN light-emitting diode. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1600333.	0.8	6
41	Zinc Oxide-Based Self-Powered Potentiometric Chemical Sensors for Biomolecules and Metal Ions. Sensors, 2017, 17, 1645.	2.1	15
42	Efficient Donor Impurities in ZnO Nanorods by Polyethylene Glycol for Enhanced Optical and Glutamate Sensing Properties. Sensors, 2016, 16, 222.	2.1	11
43	Influence of ZnO seed layer precursor molar ratio on the density of interface defects in low temperature aqueous chemically synthesized ZnO nanorods/GaN light-emitting diodes. Journal of Applied Physics, 2016, 119, .	1.1	30
44	Comparison between different metal oxide nanostructures and nanocomposites for sensing, energy generation, and energy harvesting. , 2016, , .		0
45	High photocurrent gain in NiO thin film/M-doped ZnO nanorods (M=Ag, Cd and Ni) heterojunction based ultraviolet photodiodes. Journal of Luminescence, 2016, 178, 324-330.	1.5	9
46	Low-Frequency Self-Powered Footstep Sensor Based on ZnO Nanowires on Paper Substrate. Nanoscale Research Letters, 2016, 11, 156.	3.1	27
47	Low frequency accelerator sensor based on piezoelectric ZnO nanorods grown by low temperature scalable process. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 2503-2508.	0.8	14
48	Optical and structural properties of Mn-doped ZnO nanorods grown by aqueous chemical growth for spintronic applications. Thin Solid Films, 2016, 601, 22-27.	0.8	9
49	Effect of precursor solutions stirring on deep level defects concentration and spatial distribution in low temperature aqueous chemical synthesis of zinc oxide nanorods. AIP Advances, 2015, 5, .	0.6	13
50	Analysis of direct and converse piezoelectric responses from zinc oxide nanowires grown on a conductive fabric. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 579-584.	0.8	14
51	A flexible anisotropic self-powered piezoelectric direction sensor based on double sided ZnO nanowires configuration. Nanotechnology, 2015, 26, 095502.	1.3	24
52	Supramolecules-assisted ZnO nanostructures growth and their UV photodetector application. Solid State Sciences, 2015, 41, 14-18.	1.5	9
53	UV photo-detector based on p-NiO thin film/n-ZnO nanorods heterojunction prepared by a simple process. Journal of Alloys and Compounds, 2015, 632, 165-171.	2.8	121
54	A detailed optical investigation of ZnO@ZnS core-shell nanoparticles and their photocatalytic activity at different pH values. Ceramics International, 2015, 41, 7174-7184.	2.3	57

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55	Effect of NiO intermediate layer on the optical and electrical properties of n-ZnO nanorods/p-GaAs heterojunction. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 119, 1013-1018.	1.1	5
56	Fabrication and characterization of highly-ordered Zinc Oxide nanorods on gold/glass electrode, and its application as a voltammetric sensor. <i>Electrochimica Acta</i> , 2015, 174, 1261-1267.	2.6	33
57	A Miniature Graphene-based Biosensor for Intracellular Glucose Measurements. <i>Electrochimica Acta</i> , 2015, 174, 574-580.	2.6	36
58	Metal oxide nanostructures synthesized on flexible and solid substrates and used for catalysts, UV detectors, and chemical sensors. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
59	Light emitting diode based on n-ZnO.94M0.06O nanorods/p-GaN (M= Cd and Ni) heterojunction under forward and reverse bias. <i>Journal of Luminescence</i> , 2015, 160, 305-310.	1.5	4
60	Habit-modifying additives and their morphological consequences on photoluminescence and glucose sensing properties of ZnO nanostructures, grown via aqueous chemical synthesis. <i>Vacuum</i> , 2015, 116, 21-26.	1.6	22
61	Cation exchange assisted low temperature chemical synthesis of ZnO@Ag ₂ S core-shell nanoparticles and their photo-catalytic properties. <i>Materials Chemistry and Physics</i> , 2015, 163, 485-495.	2.0	31
62	Zinc Oxide Nanostructure-Modified Textile and Its Application to Biosensing, Photocatalysis, and as Antibacterial Material. <i>Langmuir</i> , 2015, 31, 10913-10921.	1.6	229
63	Piezoelectric and opto-electrical properties of silver-doped ZnO nanorods synthesized by low temperature aqueous chemical method. <i>AIP Advances</i> , 2015, 5, .	0.6	24
64	Fast piezoresistive sensor and UV photodetector based on Mn-doped ZnO nanorods. <i>Physica Status Solidi - Rapid Research Letters</i> , 2015, 9, 87-91.	1.2	32
65	Semiconductor ZnO Nano-Rods Thin Film Grown on Silver Wire for Hemoglobin Biosensor Fabrication. <i>New Journal of Glass and Ceramics</i> , 2015, 05, 9-15.	0.6	6
66	Mechanical and piezoelectric properties of zinc oxide nanorods grown on conductive textile fabric as an alternative substrate. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 345102.	1.3	31
67	Cathodoluminescence characterization of ZnO nanorods synthesized by chemical solution and of its conversion to ellipsoidal morphology. <i>Journal of Materials Research</i> , 2014, 29, 2425-2431.	1.2	3
68	Fast synthesis, morphology transformation, structural and optical properties of ZnO nanorods grown by seed-free hydrothermal method. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 2611-2615.	0.8	12
69	Tuning the emission of ZnO nanorods based light emitting diodes using Ag doping. <i>Journal of Applied Physics</i> , 2014, 116, 193104.	1.1	24
70	Synthesis of Three Dimensional Nickel Cobalt Oxide Nanoneedles on Nickel Foam, Their Characterization and Glucose Sensing Application. <i>Sensors</i> , 2014, 14, 5415-5425.	2.1	49
71	Incorporating β -Cyclodextrin with ZnO Nanorods: A Potentiometric Strategy for Selectivity and Detection of Dopamine. <i>Sensors</i> , 2014, 14, 1654-1664.	2.1	14
72	Effect of Post Growth Annealing on the Structural and Electrical Properties of ZnO/CuO Composite Nanostructures. <i>Acta Physica Polonica A</i> , 2014, 126, 849-854.	0.2	2

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73	Synthesis of Fe-Doped ZnO Nanorods by Rapid Mixing Hydrothermal Method and Its Application for High Performance UV Photodetector. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-9.	1.5	20
74	Decoration of ZnO Nanorods with Coral Reefs like NiO Nanostructures by the Hydrothermal Growth Method and Their Luminescence Study. <i>Materials</i> , 2014, 7, 430-440.	1.3	15
75	A Selective Potentiometric Copper (II) Ion Sensor Based on the Functionalized ZnO Nanorods. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 6723-6731.	0.9	3
76	The improved piezoelectric properties of ZnO nanorods with oxygen plasma treatment on the single layer graphene coated polymer substrate. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 455-459.	0.8	26
77	A novel investigation on carbon nanotube/ZnO, Ag/ZnO and Ag/carbon nanotube/ZnO nanowires junctions for harvesting piezoelectric potential on textile. <i>Journal of Applied Physics</i> , 2014, 116, .	1.1	18
78	Effect of Urea on the Morphology of Co ₃ O ₄ Nanostructures and Their Application for Potentiometric Glucose Biosensor. <i>Electroanalysis</i> , 2014, 26, 1773-1781.	1.5	52
79	Fabrication of Sensitive Potentiometric Cholesterol Biosensor Based on Co ₃ O ₄ Interconnected Nanowires. <i>Electroanalysis</i> , 2014, 26, 1928-1934.	1.5	11
80	UV detectors and LEDs in different metal oxide nanostructures. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
81	The effect of oxygen-plasma treatment on the mechanical and piezoelectrical properties of ZnO nanorods. <i>Chemical Physics Letters</i> , 2014, 608, 235-238.	1.2	13
82	Use of ZnO nanorods grown atomic force microscope tip in the architecture of a piezoelectric nanogenerator. <i>Micro and Nano Letters</i> , 2014, 9, 539-543.	0.6	4
83	Optimization and characterization of NiO thin film and the influence of thickness on the electrical properties of n-ZnO nanorods/p-NiO heterojunction. <i>Semiconductor Science and Technology</i> , 2014, 29, 115009.	1.0	21
84	Investigation of the phototoxic effect of ZnO nanorods on fibroblasts and melanoma human cells. <i>Laser Physics Letters</i> , 2014, 11, 115606.	0.6	7
85	Effect of anions on the morphology of Co ₃ O ₄ nanostructures grown by hydrothermal method and their pH sensing application. <i>Journal of Electroanalytical Chemistry</i> , 2014, 717-718, 78-82.	1.9	21
86	Enhancing the piezopotential from Zinc oxide (ZnO) nanowire using p-type polymers. <i>Materials Letters</i> , 2014, 124, 123-125.	1.3	2
87	Analysis of junction properties of gold-zinc oxide nanorods-based Schottky diode by means of frequency dependent electrical characterization on textile. <i>Journal of Materials Science</i> , 2014, 49, 3434-3441.	1.7	22
88	Fabrication of ZnO nanodisks from structural transformation of ZnO nanorods through natural oxidation and their emission characteristics. <i>Ceramics International</i> , 2014, 40, 2435-2439.	2.3	16
89	ZnO/Polyfluorene Hybrid LED on an Efficient Hole-Transport Layer of Graphene Oxide and Transparent Graphene Electrode. <i>Advanced Optical Materials</i> , 2014, 2, 326-330.	3.6	17
90	Fabrication of zinc oxide nanoneedles on conductive textile for harvesting piezoelectric potential. <i>Chemical Physics Letters</i> , 2014, 612, 62-67.	1.2	24

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91	Dopamine wide range detection sensor based on modified Co ₃ O ₄ nanowires electrode. Sensors and Actuators B: Chemical, 2014, 203, 543-549.	4.0	55
92	Handwriting enabled harvested piezoelectric power using ZnO nanowires/polymer composite on paper substrate. Nano Energy, 2014, 9, 221-228.	8.2	53
93	Synthesis, structural characterization and photocatalytic application of ZnO@ZnS core-shell nanoparticles. RSC Advances, 2014, 4, 36940-36950.	1.7	117
94	Colorimetric Disposable Paper Coated with ZnO@ZnS Core-shell Nanoparticles for Detection of Copper Ions in Aqueous Solutions. ACS Applied Materials & Interfaces, 2014, 6, 17694-17701.	4.0	71
95	Photocatalytic properties of different morphologies of CuO for the degradation of Congo red organic dye. Ceramics International, 2014, 40, 11311-11317.	2.3	80
96	Naturally oxidized synthesis of ZnO dahlia-flower nanoarchitecture. Ceramics International, 2014, 40, 13667-13671.	2.3	6
97	A Flexible Sandwich Nanogenerator for Harvesting Piezoelectric Potential from Single Crystalline Zinc Oxide Nanowires. Nanomaterials and Nanotechnology, 2014, 4, 24.	1.2	35
98	Comparative Study of Energy Harvesting from ZnO Nanorods Using Different Flexible Substrates. Energy Harvesting and Systems, 2014, 1, 19-26.	1.7	6
99	Synthesis of CuO/ZnO Composite Nanostructures, Their Optical Characterization and Valence Band Offset Determination by X-Ray Photoelectron Spectroscopy. Journal of Nanoelectronics and Optoelectronics, 2014, 9, 348-356.	0.1	12
100	Fabrication of UV photo-detector based on coral reef like p-NiO/n-ZnO nanocomposite structures. Materials Letters, 2013, 108, 149-152.	1.3	59
101	Comparative study of ZnO nanorods and thin films for chemical and biosensing applications and the development of ZnO nanorods based potentiometric strontium ion sensor. Applied Surface Science, 2013, 268, 37-43.	3.1	31
102	Annealing effect on the electrical and optical properties of Au/n-ZnO NWs Schottky diodes white LEDs. Superlattices and Microstructures, 2013, 62, 200-206.	1.4	13
103	Systematic study of interface trap and barrier inhomogeneities using I-V-T characteristics of Au/ZnO nanorods Schottky diode. Journal of Applied Physics, 2013, 113, .	1.1	50
104	The fabrication of white light-emitting diodes using the n-ZnO/NiO/p-GaN heterojunction with enhanced luminescence. Nanoscale Research Letters, 2013, 8, 320.	3.1	70
105	Influence of different growth environments on the luminescence properties of ZnO nanorods grown by the vapor-liquid-solid (VLS) method. Materials Letters, 2013, 106, 158-163.	1.3	28
106	Nanowires-assembled CuO Interpenetrated-leaf Architecture by () Twinning. Materials Research Letters, 2013, 1, 32-38.	4.1	3
107	Study of transport properties of copper/zinc-oxide-nanorods-based Schottky diode fabricated on textile fabric. Semiconductor Science and Technology, 2013, 28, 125006.	1.0	19
108	Optical, structural and morphological studies of (ZnO) nano-rod thin films for biosensor applications using sol gel technique. Results in Physics, 2013, 3, 46-51.	2.0	84

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109	Low temperature aqueous chemical growth, structural, and optical properties of Mn-doped ZnO nanowires. Journal of Crystal Growth, 2013, 375, 125-130.	0.7	18
110	Potentiometric urea biosensor utilizing nanobiocomposite of chitosan-iron oxide magnetic nanoparticles. Journal of Physics: Conference Series, 2013, 414, 012024.	0.3	32
111	Hybrid organic zinc oxide white-light-emitting diodes on disposable paper substrate. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 1600-1605.	0.8	8
112	Silica nanofibers based impedance type humidity detector prepared on glass substrate. Vacuum, 2013, 87, 1-6.	1.6	14
113	Photonic devices on paper, plastic and textile fabrics. Proceedings of SPIE, 2013, , .	0.8	0
114	Current-Voltage and Capacitance-Voltage Characteristics of Pd Schottky Diodes Fabricated on ZnO Grown along Zn- and O-Faces. Applied Mechanics and Materials, 2013, 313-314, 270-274.	0.2	1
115	Zinc Oxide Nanowire Based Piezoelectric Nano Generators Grown on Flexible Substrates. Materials Research Society Symposia Proceedings, 2013, 1556, 1.	0.1	0
116	Harvesting piezoelectric potential from zinc oxide nanoflowers grown on textile fabric substrate. Physica Status Solidi - Rapid Research Letters, 2013, 7, 980-984.	1.2	31
117	Iron (III) Ion Sensor Based on the Seedless Grown ZnO Nanorods in 3 Dimensions Using Nickel Foam Substrate. Journal of Sensors, 2013, 2013, 1-7.	0.6	3
118	Indirect Determination of Mercury Ion by Inhibition of a Glucose Biosensor Based on ZnO Nanorods. Sensors, 2012, 12, 15063-15077.	2.1	60
119	Potentiometric Zinc Ion Sensor Based on Honeycomb-Like NiO Nanostructures. Sensors, 2012, 12, 15424-15437.	2.1	32
120	Zinc Oxide and Copper Oxide Nanostructures: Fundamentals and Applications. Materials Research Society Symposia Proceedings, 2012, 1406, .	0.1	1
121	Zinc oxide nanowires for biomedical sensing and analysis. , 2012, , 377-400.		0
122	Piezoelectric nanogenerator based on zinc oxide nanorods grown on textile cotton fabric. Applied Physics Letters, 2012, 101, .	1.5	119
123	Optical characterization of ZnO nanopillars on Si and macroporous periodic Si structure. Journal of Applied Physics, 2012, 111, 123527.	1.1	4
124	Highly efficient potentiometric glucose biosensor based on functionalized InN quantum dots. Applied Physics Letters, 2012, 101, .	1.5	28
125	Metal oxide nanostructures and white light emission. , 2012, , .		0
126	Recent progress on growth and device development of ZnO and CuO nanostructures and graphenenanosheets. Journal of Materials Chemistry, 2012, 22, 2337-2350.	6.7	28

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127	Optical and current transport properties of CuO/ZnO nanocoral p-n heterostructure hydrothermally synthesized at low temperature. Applied Physics A: Materials Science and Processing, 2012, 108, 921-928.	1.1	70
128	Efficient catalytic effect of CuO nanostructures on the degradation of organic dyes. Journal of Physics and Chemistry of Solids, 2012, 73, 1320-1325.	1.9	99
129	Anions effect on the low temperature growth of ZnO nanostructures. Vacuum, 2012, 86, 1998-2001.	1.6	22
130	Influence of the polymer concentration on the electroluminescence of ZnO nanorod/polymer hybrid light emitting diodes. Journal of Applied Physics, 2012, 112, .	1.1	15
131	Interface trap characterization and electrical properties of Au-ZnO nanorod Schottky diodes by conductance and capacitance methods. Journal of Applied Physics, 2012, 112, .	1.1	101
132	Progress on one-dimensional zinc oxide nanomaterials based photonic devices. Nanophotonics, 2012, 1, 99-115.	2.9	25
133	CuO/ZnO Nanocorals synthesis via hydrothermal technique: growth mechanism and their application as Humidity Sensor. Journal of Materials Chemistry, 2012, 22, 11583.	6.7	82
134	Screen printed ZnO ultraviolet photoconductive sensor on pencil drawn circuitry over paper. Applied Physics Letters, 2012, 100, .	1.5	67
135	Development of Galactose Biosensor Based on Functionalized ZnO Nanorods with Galactose Oxidase. Journal of Sensors, 2012, 2012, 1-7.	0.6	26
136	Growth, Structural and Optical Characterization of ZnO Nanotubes on Disposable-Flexible Paper Substrates by Low-Temperature Chemical Method. Journal of Nanotechnology, 2012, 2012, 1-6.	1.5	11
137	Piezoelectric power generation from zinc oxide nanowires grown on paper substrate. Physica Status Solidi - Rapid Research Letters, 2012, 6, 80-82.	1.2	28
138	Back Cover: Piezoelectric power generation from zinc oxide nanowires grown on paper substrate (Phys. Status Solidi RRL 2/2012). Physica Status Solidi - Rapid Research Letters, 2012, 6, .	1.2	1
139	Fabrication of cadmium titanate nanofibers via electrospinning technique. Ceramics International, 2012, 38, 3361-3365.	2.3	17
140	Effect of elevated concentrations of strontium and iron on the structural and dielectric characteristics of Ba(1-x)Sr(x)Ti Fe(y)O3 prepared through sol-gel technique. Physica B: Condensed Matter, 2012, 407, 2697-2704.	1.3	5
141	Nanoscale elastic modulus of single horizontal ZnO nanorod using nanoindentation experiment. Nanoscale Research Letters, 2012, 7, 146.	3.1	30
142	Iron Ion Sensor Based on Functionalized ZnO Nanorods. Electroanalysis, 2012, 24, 521-528.	1.5	12
143	Enhancement of zinc interstitials in ZnO nanotubes grown on glass substrate by the hydrothermal method. Applied Physics A: Materials Science and Processing, 2012, 106, 151-156.	1.1	7
144	Scale-up synthesis of ZnO nanorods for printing inexpensive ZnO/polymer white light-emitting diode. Journal of Materials Science, 2012, 47, 4726-4731.	1.7	18

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145	CuO Nanopetals Based Electrochemical Sensor for Selective Ag ⁺ Measurements. Sensor Letters, 2012, 10, 754-759.	0.4	2
146	Zinc Oxide Nanostructures Based Bio- and Chemical Extra- and Intracellular Sensors. NATO Science for Peace and Security Series A: Chemistry and Biology, 2012, , 305-322.	0.5	0
147	Intracellular K ⁺ Determination With a Potentiometric Microelectrode Based on ZnO Nanowires. IEEE Nanotechnology Magazine, 2011, 10, 913-919.	1.1	29
148	CuO nanoflowers as an electrochemical pH sensor and the effect of pH on the growth. Journal of Electroanalytical Chemistry, 2011, 662, 421-425.	1.9	56
149	Chemically fashioned ZnO nanowalls and their potential application for potentiometric cholesterol biosensor. Applied Physics Letters, 2011, 98, .	1.5	55
150	Applications of zinc oxide nanowires for bio-photonics and bio-electronics. Proceedings of SPIE, 2011, , .	0.8	2
151	One- and two-dimensional nanostructures for chemical- and biosensing. Procedia Engineering, 2011, 25, 745-748.	1.2	1
152	Single nanowire-based UV photodetectors for fast switching. Nanoscale Research Letters, 2011, 6, 348.	3.1	54
153	Zinc oxide nanorods/polymer hybrid heterojunctions for white light emitting diodes. Journal Physics D: Applied Physics, 2011, 44, 224017.	1.3	60
154	ZnO Nanorods Based Enzymatic Biosensor for Selective Determination of Penicillin. Biosensors, 2011, 1, 153-163.	2.3	36
155	Fabrication and comparative optical characterization of n-ZnO nanostructures (nanowalls,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5 697-700.	2.6	56
156	Selective determination of urea using urease immobilized on ZnO nanowires. Sensors and Actuators B: Chemical, 2011, 160, 637-643.	4.0	78
157	Polycation stabilization of graphene suspensions. Nanoscale Research Letters, 2011, 6, 493.	3.1	11
158	The correlation between radiative surface defect states and high color rendering index from ZnO nanotubes. Nanoscale Research Letters, 2011, 6, 513.	3.1	10
159	Tumoricidal effects of nanomaterials in HeLa cell line. Laser Physics, 2011, 21, 1978-1988.	0.6	17
160	ZnO nanorods/polymer hybrid white light emitting diode grown on a disposable paper substrate. Physica Status Solidi - Rapid Research Letters, 2011, 5, 71-73.	1.2	21
161	Study of intrinsic white light emission and its components from ZnO-nanorods/p-polymer hybrid junctions grown on glass substrates. Journal of Materials Science, 2011, 46, 7437-7442.	1.7	12
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