

Mechanisms behind green photoluminescence in ZnO p

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Citation Report

#	ARTICLE	IF	CITATIONS
3	Effect of Hydrogenation on ZnO Luminescence. Japanese Journal of Applied Physics, 1997, 36, L289-L291.	0.8	139
4	Structural, electrical and optical properties of aluminum doped zinc oxide films prepared by radio frequency magnetron sputtering. Journal of Applied Physics, 1997, 81, 7764-7772.	1.1	544
5	The physical properties of Al-doped zinc oxide films prepared by RF magnetron sputtering. Thin Solid Films, 1997, 305, 201-209.	0.8	319
6	Green photoluminescence efficiency and free-carrier density in ZnO phosphor powders prepared by spray pyrolysis. Journal of Luminescence, 1997, 75, 11-16.	1.5	221
7	Electrical properties of bulk ZnO. Solid State Communications, 1998, 105, 399-401.	0.9	781
8	Fabrication of green and orange photoluminescent, undoped ZnO films using spray pyrolysis. Journal of Applied Physics, 1998, 84, 2287-2294.	1.1	997
9	Enhancement effect of photoluminescence in assemblies of nano-ZnO particles/silica aerogels. Journal of Applied Physics, 1998, 83, 4389-4391.	1.1	154
10	Luminescence behaviour of chemically grown ZnO quantum dots. Semiconductor Science and Technology, 1998, 13, 1154-1157.	1.0	70
11	Characterization and surface treatment of FED phosphors. Journal of the Society for Information Display, 1998, 6, 149.	0.8	1
12	Optical and electrical properties of undoped ZnO films grown by spray pyrolysis of zinc nitrate solution. Journal of Applied Physics, 1998, 83, 2104-2111.	1.1	264
13	A Hybrid Electrochemical/Chemical Synthesis of Zinc Oxide Nanoparticles and Optically Intrinsic Thin Films. Chemistry of Materials, 1998, 10, 1120-1129.	3.2	125
14	Scanning cathodoluminescence as a probe of surface recombination in phosphors excited at low electron energies. Journal of Applied Physics, 1998, 83, 1153-1155.	1.1	5
15	Ultraviolet light emission properties of ZnO single crystals. , 1998, , 61-64.		1
16	Sample Preparation and Photoluminescence of ZnO Particles Embedded in Thin Alkali Halide Crystals. Japanese Journal of Applied Physics, 1999, 38, L1318-L1320.	0.8	20
17	High field electron transport properties of bulk ZnO. Journal of Applied Physics, 1999, 86, 6864-6867.	1.1	160
18	Yellow Emission from Zinc Oxide giving an Electron Spin Resonance Signal at $g=1.96$. Japanese Journal of Applied Physics, 1999, 38, L113-L115.	0.8	42
19	Advances in field emission displays phosphors. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1999, 17, 758.	1.6	159
20	A novel approach to prepare zinc oxide films: excimer laser irradiation of sol-gel derived precursor films. Thin Solid Films, 1999, 357, 151-158.	0.8	67

#	ARTICLE	IF	CITATIONS
21	Optical properties of epitaxially grown zinc oxide films on sapphire by pulsed laser deposition. Journal of Applied Physics, 1999, 86, 408-411.	1.1	510
22	Spectroscopic and structural characterization of electrochemically grown ZnO quantum dots. Journal of Applied Physics, 1999, 85, 2861-2865.	1.1	300
23	Electronic Structures and Optical Properties of ZnO, SnO ₂ and In ₂ O ₃ . Japanese Journal of Applied Physics, 1999, 38, 3453-3458.	0.8	83
24	Photoluminescence and ultraviolet lasing of polycrystalline ZnO thin films prepared by the oxidation of the metallic Zn. Applied Physics Letters, 1999, 75, 2761-2763.	1.5	516
25	Development of Low Energy Cathodoluminescence System and its Application to the Study of ZnO Powders. Materials Research Society Symposia Proceedings, 1999, 588, 75.	0.1	15
26	Marginal reasoning and (bio)diversity. International Journal of Sustainable Development, 2000, 3, 334.	0.1	0
27	The luminescence of nanocrystalline ZnO particles: the mechanism of the ultraviolet and visible emission. Journal of Luminescence, 2000, 87-89, 454-456.	1.5	409
28	Photoluminescence of ZnO nanoparticles in alumina membrane with ordered pore arrays. Solid State Communications, 2000, 115, 253-256.	0.9	54
29	Photoluminescence of ZnS: Sm phosphor prepared in a reductive atmosphere. Ceramics International, 2000, 26, 153-158.	2.3	23
30	Photoluminescence spectra of ZnO particles embedded in thin alkali halide crystals. Journal of Luminescence, 2000, 87-89, 405-407.	1.5	18
31	Identification of the transition responsible for the visible emission in ZnO using quantum size effects. Journal of Luminescence, 2000, 90, 123-128.	1.5	502
32	Characteristics of ZnO:Zn phosphor thin films by post-deposition annealing. Nuclear Instruments & Methods in Physics Research B, 2000, 169, 59-63.	0.6	45
33	Title is missing!. Journal of Materials Science: Materials in Electronics, 2000, 11, 305-309.	1.1	42
34	A Novel Method for the Preparation of Green Photoluminescent Undoped Zinc Oxide Film Involving Excimer Laser Irradiation of a Sol-Gel-Derived Precursor. Japanese Journal of Applied Physics, 2000, 39, L713-L715.	0.8	25
35	Fabrication of highly ordered ZnO nanowire arrays in anodic alumina membranes. Journal of Materials Research, 2000, 15, 2305-2308.	1.2	149
36	ZnO:Zn phosphor thin films prepared by ion beam sputtering. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2000, 18, 2295.	0.9	15
37	Optical properties of ZnO loaded in mesoporous silica. Journal of Physics Condensed Matter, 2000, 12, 6265-6270.	0.7	71
38	First-principles study of native point defects in ZnO. Physical Review B, 2000, 61, 15019-15027.	1.1	1,552

#	ARTICLE	IF	CITATIONS
39	Preparation and Characterization of ZnO Clusters inside Mesoporous Silica. Chemistry of Materials, 2000, 12, 1408-1413.	3.2	287
40	Influence of Adsorbed Oxygen on the Emission Properties of Nanocrystalline ZnO Particles. Journal of Physical Chemistry B, 2000, 104, 4355-4360.	1.2	137
41	ZnO diode fabricated by excimer-laser doping. Applied Physics Letters, 2000, 76, 3257-3258.	1.5	698
42	The Kinetics of the Radiative and Nonradiative Processes in Nanocrystalline ZnO Particles upon Photoexcitation. Journal of Physical Chemistry B, 2000, 104, 1715-1723.	1.2	831
43	Ordered semiconductor ZnO nanowire arrays and their photoluminescence properties. Applied Physics Letters, 2000, 76, 2011-2013.	1.5	969
44	Degradation of the optical properties of ZnO-based thermal control coatings in simulated space environment. Journal Physics D: Applied Physics, 2001, 34, 124-130.	1.3	64
45	Intrinsic-type versus p-type doping asymmetry and the defect physics of ZnO. Physical Review B, 2001, 63, .	1.1	1,610
46	Green luminescent center in undoped zinc oxide films deposited on silicon substrates. Applied Physics Letters, 2001, 79, 943-945.	1.5	1,956
47	Photoelectric, stoichiometric and structural properties of n-ZnO film on p-Si. Thin Solid Films, 2001, 398-399, 93-98.	0.8	18
48	New Polymer-Inorganic Nanocomposites: PEO/ZnO and PEO/ZnO/LiClO ₄ Films. Journal of Physical Chemistry B, 2001, 105, 10169-10174.	1.2	221
49	Growth of Highly Oriented ZnO Nanorods by Chemical Vapor Deposition. Materials Research Society Symposia Proceedings, 2001, 703, 1.	0.1	5
50	Visible photoluminescence of ZnO nanoparticles dispersed in highly transparent MgF ₂ thin-films via sol-gel process. Thin Solid Films, 2001, 389, 227-232.	0.8	74
51	Flame-excited luminescence in the oxides Ta ₂ O ₅ , Nb ₂ O ₅ , TiO ₂ , ZnO, and SnO ₂ . Journal of Luminescence, 2001, 92, 297-305.	1.5	45
52	Photoluminescence enhancement of ZnO nanocrystallites with BN capsules. Journal of Crystal Growth, 2001, 223, 535-538.	0.7	20
53	Nitrogen doped ZnO film grown by the plasma-assisted metal-organic chemical vapor deposition. Journal of Crystal Growth, 2001, 226, 123-129.	0.7	123
54	Title is missing!. Journal of Materials Science: Materials in Electronics, 2001, 12, 269-271.	1.1	16
55	Enhanced ultraviolet emission and optical properties in polyvinyl pyrrolidone surface modified ZnO quantum dots. Journal of Applied Physics, 2001, 90, 4489-4493.	1.1	137
56	Photoluminescent Properties of ZnO Films Deposited on Si Substrates. Chinese Physics Letters, 2001, 18, 441-442.	1.3	37

#	ARTICLE	IF	CITATIONS
57	Morphology, Structure and Photoluminescence Properties of Zinc Oxide Films Prepared by Excimer Laser Irradiation of Sol-Gel-Derived Precursors. Japanese Journal of Applied Physics, 2001, 40, 6296-6303.	0.8	10
58	Depth profiling of ZnO thin films by cathodoluminescence. Applied Physics Letters, 2001, 78, 2667-2669.	1.5	57
59	Growth of stoichiometric (002) ZnO thin films on Si (001) substrate by using plasma enhanced chemical vapor deposition. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2002, 20, 1779-1783.	0.9	9
60	ZnO nanobelts grown on Si substrate. Applied Physics Letters, 2002, 81, 144-146.	1.5	209
61	Origin and consequences of a high stacking fault density in epitaxial ZnO layers. Applied Physics Letters, 2002, 81, 3972-3974.	1.5	75
62	USING EMISSION QUENCHING TO STUDY THE INTERACTION BETWEEN ZnO NANOCRYSTALS AND ORGANIC LIGANDS. International Journal of Nanoscience, 2002, 01, 743-747.	0.4	1
63	Photoluminescence of ZnO nanoparticles loaded into porous anodic alumina hosts. Journal of Physics Condensed Matter, 2002, 14, 12651-12656.	0.7	30
64	Low-energy Electron Exposure Effects on the Optical Properties of ZnO/K ₂ SiO ₃ Thermal Control Coating. Journal of Materials Research, 2002, 17, 1766-1771.	1.2	14
65	Isothermal Capacitance Transient Spectroscopy for Deep Levels in Co- and Mn-doped ZnO Single Crystals. Journal of Materials Research, 2002, 17, 1529-1535.	1.2	65
66	Preparation of Nanosized ZnO Arrays by Electrophoretic Deposition. Electrochemical and Solid-State Letters, 2002, 5, C53.	2.2	56
67	Structural Characteristics and Photoluminescence of Zinc Oxide Nanocrystals. Chinese Physics Letters, 2002, 19, 372-374.	1.3	9
68	Passivation of Defects in ZnO by Hydrogen Plasma Irradiation. Materials Research Society Symposia Proceedings, 2002, 744, 1.	0.1	1
69	The Growth and Characterization of Zinc Oxide Thin Film on Fused Silica and SiO ₂ /Si(100) Substrates. Materials Research Society Symposia Proceedings, 2002, 744, 1.	0.1	0
70	Special Issue Ceramics Integration. Epitaxial Growth of ZnO/AlN Heterostructures on Sapphire and Si Substrates.. Journal of the Ceramic Society of Japan, 2002, 110, 343-346.	1.3	3
71	Control of ZnO Morphology via a Simple Solution Route. Chemistry of Materials, 2002, 14, 4172-4177.	3.2	827
72	Investigation of ZnO epilayers grown under various Zn/O ratios by plasma-assisted molecular-beam epitaxy. Journal of Applied Physics, 2002, 92, 4354-4360.	1.1	122
73	Giant exciton-light coupling in ZnO quantum dots. Applied Physics Letters, 2002, 81, 748-750.	1.5	109
74	Crystal Growth of Al-doped ZnO Films under Different Sputtering Conditions. International Journal of Modern Physics B, 2002, 16, 287-293.	1.0	2

#	ARTICLE	IF	CITATIONS
75	Time-resolved luminescence and photoconductivity of polycrystalline ZnO films. Journal of Applied Physics, 2002, 91, 5060-5065.	1.1	243
76	Band-edge emission of undoped and doped ZnO single crystals at room temperature. Journal of Applied Physics, 2002, 91, 3658-3663.	1.1	55
77	A FED PROTOTYPE USING PATTERNED DLC THIN FILMS AS THE CATHODE. International Journal of Modern Physics B, 2002, 16, 993-997.	1.0	2
78	Site-specific growth of ZnO nanorods using catalysis-driven molecular-beam epitaxy. Applied Physics Letters, 2002, 81, 3046-3048.	1.5	364
79	ZnO nanowires fabricated by a convenient route. New Journal of Chemistry, 2002, 26, 33-34.	1.4	153
80	Effect of hydrogen doping on ultraviolet emission spectra of various types of ZnO. Applied Physics Letters, 2002, 80, 2869-2871.	1.5	176
81	Catalyst-Free Growth and Characterization of ZnO Nanorods. Journal of Physical Chemistry B, 2002, 106, 9546-9551.	1.2	391
82	Behind the weak excitonic emission of ZnO quantum dots: ZnO/Zn(OH) ₂ core-shell structure. Applied Physics Letters, 2002, 80, 210-212.	1.5	310
83	Optical and luminescent properties of undoped and rare-earth-doped Ga ₂ O ₃ thin films deposited by spray pyrolysis. Journal Physics D: Applied Physics, 2002, 35, 433-438.	1.3	121
84	Synthesis of Uniform Hexagonal Prismatic ZnO Whiskers. Chemistry of Materials, 2002, 14, 1216-1219.	3.2	276
85	Low-temperature and catalyst-free synthesis of well-aligned ZnO nanorods on Si (100). Journal of Materials Chemistry, 2002, 12, 3125-3129.	6.7	65
86	Comparison of luminescence behavior of spark-processed Zn and anodically etched porous Zn. Materials Letters, 2002, 53, 168-174.	1.3	7
87	Photoluminescence of Tetragonal ZnO Nanoparticles Synthesized by Microwave Irradiation. Inorganic Chemistry, 2002, 41, 3602-3604.	1.9	188
88	Role of copper in the green luminescence from ZnO crystals. Applied Physics Letters, 2002, 81, 622-624.	1.5	523
89	Effect of colloid characteristics on the fabrication of ZnO nanowire arrays by electrophoretic deposition. Journal of Materials Chemistry, 2002, 12, 2439-2444.	6.7	96
90	Deterministic Synthesis of ZnO Nanorods. Materials Research Society Symposia Proceedings, 2002, 728, 3151.	0.1	0
91	Nonlithographic fabrication of lateral superlattices for nanometric electromagnetic-optic applications. IEEE Journal of Selected Topics in Quantum Electronics, 2002, 8, 998-1008.	1.9	37
92	Optimizing n-ZnO/p-Si heterojunctions for photodiode applications. Thin Solid Films, 2002, 403-404, 553-557.	0.8	184

#	ARTICLE	IF	CITATIONS
93	Photoluminescence from highly oriented Mg _x Zn _{1-x} O films grown by chemical spray pyrolysis. Thin Solid Films, 2002, 420-421, 13-18.	0.8	18
94	Characterization of films and interfaces in n-ZnO/p-Si photodiodes. Thin Solid Films, 2002, 420-421, 112-116.	0.8	55
95	Electron flow route at phosphor screens in CRTs. Materials Chemistry and Physics, 2002, 73, 144-150.	2.0	6
96	Optical Properties of Single Micron-Sized ZnO Particles Embedded in Alkali Halide Crystals Studied by Cathodoluminescence. Physica Status Solidi (B): Basic Research, 2002, 229, 815-818.	0.7	5
97	Effect of the (OH) Surface Capping on ZnO Quantum Dots. Physica Status Solidi (B): Basic Research, 2002, 229, 825-828.	0.7	33
98	Low-Temperature Growth of Well-Aligned ZnO Nanorods by Chemical Vapor Deposition. Advanced Materials, 2002, 14, 215-218.	11.1	1,195
99	Comparison of the properties for ZnO:Al films deposited on polyimide and glass substrates. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2002, 90, 50-54.	1.7	39
100	Fabrication of semiconducting ZnO nanobelts using a halide source and their photoluminescence properties. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 299, 276-281.	0.9	99
101	Catalytic growth of semiconducting zinc oxide nanowires and their photoluminescence properties. Journal of Crystal Growth, 2002, 234, 171-175.	0.7	235
102	ZnO thin film grown on silicon by metal-organic chemical vapor deposition. Journal of Crystal Growth, 2002, 243, 13-18.	0.7	32
103	Crystal growth of undoped ZnO films on Si substrates under different sputtering conditions. Journal of Crystal Growth, 2002, 243, 439-443.	0.7	85
104	Synthesis and optical properties of tetrapod-like zinc oxide nanorods. Chemical Physics Letters, 2002, 358, 83-86.	1.2	380
105	Fabrication and optical properties of large-scale uniform zinc oxide nanowire arrays by one-step electrochemical deposition technique. Chemical Physics Letters, 2002, 363, 123-128.	1.2	533
106	Low temperature growth and photoluminescence of well-aligned zinc oxide nanowires. Chemical Physics Letters, 2002, 363, 134-138.	1.2	434
107	Intensive green light emission from MgO nanobelts. Chemical Physics Letters, 2002, 363, 293-297.	1.2	92
108	Structural and optical properties of ZnO film by plasma-assisted MOCVD. Optical and Quantum Electronics, 2002, 34, 883-891.	1.5	18
109	Solid solubility limits of Ga and Al in ZnO. Journal of Materials Science Letters, 2002, 21, 1703-1704.	0.5	113
110	Carbothermal Synthesis of the Nanostructures of Al ₂ O ₃ and ZnO. Topics in Catalysis, 2003, 24, 137-146.	1.3	46

#	ARTICLE	IF	CITATIONS
111	Identification and Characterization of Active Sites and Their Catalytic Processes of the Cu/ZnO Methanol Catalyst. Topics in Catalysis, 2003, 24, 161-172.	1.3	87
112	Green Emission to Probe Photoinduced Charging Events in ZnO/Au Nanoparticles. Charge Distribution and Fermi-Level Equilibration. Journal of Physical Chemistry B, 2003, 107, 7479-7485.	1.2	480
113	Luminescence properties of mechanically milled and laser irradiated ZnO. Nanotechnology, 2003, 14, 794-798.	1.3	54
114	Remote hydrogen plasma processing of ZnO single crystal surfaces. Journal of Applied Physics, 2003, 94, 4256-4262.	1.1	71
115	Optical Cavity Effects in ZnO Nanowire Lasers and Waveguides. Journal of Physical Chemistry B, 2003, 107, 8816-8828.	1.2	602
116	Selected-Control Synthesis of ZnO Nanowires and Nanorods via a PEG-Assisted Route. Inorganic Chemistry, 2003, 42, 8105-8109.	1.9	316
117	Optical properties of the ZnO nanotubes synthesized via vapor phase growth. Applied Physics Letters, 2003, 83, 1689-1691.	1.5	616
118	Structural and optical studies on mesoscopic defect structure in highly conductive Ag/ZnO composites. Physica B: Condensed Matter, 2003, 340-342, 216-220.	1.3	2
119	Effect of Dy ³⁺ doping and calcination on the luminescence of ZrO ₂ nanoparticles. Chemical Physics Letters, 2003, 380, 185-189.	1.2	91
120	Enhancement of near-band-edge photoluminescence from ZnO films by face-to-face annealing. Journal of Crystal Growth, 2003, 259, 335-342.	0.7	129
121	Zinc oxide nanorods and their photoluminescence property. Journal Wuhan University of Technology, Materials Science Edition, 2003, 18, 20-22.	0.4	0
122	Ultraviolet-visible spectral properties of nanometer zinc oxide colloidal solution. Central South University, 2003, 10, 49-52.	0.5	0
123	An effect of annealing on In implanted ZnO. Nuclear Instruments & Methods in Physics Research B, 2003, 206, 153-156.	0.6	29
124	Preparation and cathodoluminescence of ZnO phosphor. Materials Chemistry and Physics, 2003, 77, 647-654.	2.0	34
125	Structural, optical and cathodoluminescence characteristics of undoped and tin-doped ZnO thin films prepared by spray pyrolysis. Materials Chemistry and Physics, 2003, 80, 438-445.	2.0	167
126	A novel low-temperature growth and characterization of single crystal ZnO nanorods. Materials Chemistry and Physics, 2003, 82, 705-710.	2.0	120
127	Preparation and characterization of poly(styrene butylacrylate) latex/nano-ZnO nanocomposites. Journal of Applied Polymer Science, 2003, 90, 1923-1931.	1.3	189
128	Ultraviolet stimulated emission from bulk and polycrystalline ZnO thin films with varying grain sizes. Physica B: Condensed Matter, 2003, 340-342, 245-249.	1.3	14

#	ARTICLE	IF	CITATIONS
129	A route to Ag-catalyzed growth of the semiconducting In ₂ O ₃ nanowires. <i>Chemical Physics Letters</i> , 2003, 371, 311-316.	1.2	86
130	Characterization of zinc oxide crystal nanowires grown by thermal evaporation of ZnS powders. <i>Chemical Physics Letters</i> , 2003, 371, 337-341.	1.2	47
131	Synthesis and luminescence properties of SnO ₂ nanoparticles. <i>Chemical Physics Letters</i> , 2003, 372, 451-454.	1.2	370
132	Bicrystalline zinc oxide nanowires. <i>Chemical Physics Letters</i> , 2003, 375, 96-101.	1.2	137
133	Evolution of visible luminescence in ZnO by thermal oxidation of zinc films. <i>Chemical Physics Letters</i> , 2003, 375, 113-118.	1.2	75
134	Ultraviolet lasing of ZnO whiskers prepared by catalyst-free thermal evaporation. <i>Chemical Physics Letters</i> , 2003, 377, 329-332.	1.2	39
135	Effects of RF power on properties of ZnO thin films grown on Si (001) substrate by plasma enhanced chemical vapor deposition. <i>Journal of Crystal Growth</i> , 2003, 249, 179-185.	0.7	62
136	Effect of post-thermal annealing on properties of ZnO thin film grown on c-Al ₂ O ₃ by metal-organic chemical vapor deposition. <i>Journal of Crystal Growth</i> , 2003, 252, 275-278.	0.7	75
137	Fabrication and characterization of hexagonal wire-like ZnO. <i>Journal of Crystal Growth</i> , 2003, 253, 357-360.	0.7	16
138	Structure and photoluminescence of Mn-passivated nanocrystalline ZnO thin films. <i>Journal of Crystal Growth</i> , 2003, 254, 80-85.	0.7	125
139	Formation of ZnS nanostructures by a simple way of thermal evaporation. <i>Journal of Crystal Growth</i> , 2003, 258, 225-231.	0.7	27
140	High-quality ZnO/GaN/Al ₂ O ₃ heteroepitaxial structure grown by LP-MOCVD. <i>Journal of Crystal Growth</i> , 2003, 258, 130-134.	0.7	17
141	Two-step evaporation process for formation of aligned zinc oxide nanowires. <i>Journal of Crystal Growth</i> , 2003, 258, 342-348.	0.7	67
142	Correlation of Raman and X-ray diffraction measurements of annealed pulsed laser deposited ZnO thin films. <i>Thin Solid Films</i> , 2003, 436, 273-276.	0.8	46
143	Non-aqueous electrodeposition of ZnO and CdO films. <i>Thin Solid Films</i> , 2003, 440, 19-25.	0.8	93
144	Electrical and luminescent properties of ZnO:Bi,Er ceramics sintered at different temperatures. <i>Journal of Luminescence</i> , 2003, 104, 103-114.	1.5	17
145	Optical properties of Zn _{1-x} Mg _x O nanorods using catalysis-driven molecular beam epitaxy. <i>Solid-State Electronics</i> , 2003, 47, 2269-2273.	0.8	68
146	Influence of annealing on ZnO thin film grown by plasma-assisted MOCVD. <i>Vacuum</i> , 2003, 69, 473-476.	1.6	28

#	ARTICLE	IF	CITATIONS
147	Synthesis and laser processing of ZnO nanocrystalline thin films. <i>Applied Surface Science</i> , 2003, 212-213, 349-352.	3.1	48
148	Variation of light emitting properties of ZnO thin films depending on post-annealing temperature. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2003, 102, 313-316.	1.7	110
149	Luminescent properties of Mn ²⁺ -doped SnO ₂ nanoparticles. <i>Inorganic Chemistry Communication</i> , 2003, 6, 882-885.	1.8	66
150	Energy transfer from the host to Eu ³⁺ in ZnO. <i>Optical Materials</i> , 2003, 23, 27-32.	1.7	85
151	Copper-catalyzed ZnO nanowires on silicon (100) grown by vapor-liquid-solid process. <i>Journal of Crystal Growth</i> , 2003, 247, 357-362.	0.7	260
152	Passivation of active recombination centers in ZnO by hydrogen doping. <i>Journal of Applied Physics</i> , 2003, 93, 6386-6392.	1.1	107
153	Luminescent and structural properties of ZnO nanorods prepared under different conditions. <i>Applied Physics Letters</i> , 2003, 83, 141-143.	1.5	316
154	Photoluminescence property of ZnO-SiO ₂ composites synthesized by sol-gel method. <i>Journal Physics D: Applied Physics</i> , 2003, 36, 2972-2975.	1.3	68
155	Color variation of ZnGa ₂ O ₄ phosphor by reduction-oxidation processes. <i>Applied Physics Letters</i> , 2003, 82, 2029-2031.	1.5	151
156	Growth mechanism and characterization of zinc oxide hexagonal columns. <i>Applied Physics Letters</i> , 2003, 83, 3797-3799.	1.5	114
157	Photoluminescence study of ZnO films prepared by thermal oxidation of Zn metallic films in air. <i>Journal of Applied Physics</i> , 2003, 94, 354-358.	1.1	385
158	Photoluminescence of ZnO nanocrystallites confined in sol-gel silica matrix. <i>Journal Physics D: Applied Physics</i> , 2003, 36, 146-151.	1.3	44
159	Photoluminescence and damage recovery studies in Fe-implanted ZnO single crystals. <i>Journal of Applied Physics</i> , 2003, 93, 8995-9000.	1.1	56
160	Comprehensive study of ZnO films prepared by filtered cathodic vacuum arc at room temperature. <i>Journal of Applied Physics</i> , 2003, 94, 1597-1604.	1.1	211
161	Photoluminescence properties of ZnO films grown on InP by thermally oxidizing metallic Zn films. <i>Journal of Physics Condensed Matter</i> , 2003, 15, 1975-1981.	0.7	6
162	Effect of Particle Size on the Reactivity of Quantum Size ZnO Nanoparticles and Charge-Transfer Dynamics with Adsorbed Catechols. <i>Langmuir</i> , 2003, 19, 3006-3012.	1.6	126
163	Wet chemical synthesis of ultralong and straight single-crystalline ZnO nanowires and their excellent UV emission properties. <i>Journal of Materials Chemistry</i> , 2003, 13, 2551.	6.7	141
164	Growth and optical properties of single-crystal tubular ZnO whiskers. <i>Applied Physics Letters</i> , 2003, 82, 1401-1403.	1.5	273

#	ARTICLE	IF	CITATIONS
165	Quantitative comparisons of dissolved hydrogen density and the electrical and optical properties of ZnO. Journal of Applied Physics, 2003, 94, 2888-2894.	1.1	140
166	A novel non-template solution approach to fabricate ZnO hollow spheres with a coordination polymer as a reactant Electronic supplementary information (ESI) available: X-ray photoelectron spectra and energy-dispersive X-ray analysis of the products. See http://www.rsc.org/suppdata/ni/b3/b304787c/ . New Journal of Chemistry, 2003, 27, 1518.	1.4	68
167	Optical Interactions and Photoluminescence Properties of Wide-Bandgap Nanocrystallites. Materials Research Society Symposia Proceedings, 2003, 789, 63.	0.1	0
168	Two-step oxygen injection process for growing ZnO nanorods. Journal of Materials Research, 2003, 18, 2837-2844.	1.2	47
169	Synthesis and Strong Blue-Green Emission Properties of ZnO Nanowires. Chinese Physics Letters, 2003, 20, 928-931.	1.3	18
170	Dominance of deep over shallow donors in ZnO-based varistors. Applied Physics Letters, 2003, 83, 2692-2694.	1.5	16
171	Optical properties of single-crystalline ZnO nanowires on m-sapphire. Applied Physics Letters, 2003, 82, 2023-2025.	1.5	283
172	Low-temperature growth and Raman scattering study of vertically aligned ZnO nanowires on Si substrate. Applied Physics Letters, 2003, 83, 4631-4633.	1.5	194
173	Doping of the nanocrystalline semiconductor zinc oxide with the donor indium. Applied Physics Letters, 2003, 83, 1204-1206.	1.5	53
174	Enhancement of band-edge photoluminescence of bulk ZnO single crystals coated with alkali halide. Physical Review B, 2003, 68, .	1.1	48
175	<title>Single nanowire lasers and waveguides</title>. , 2003, 5223, 187.		6
176	Comparative Study of Properties of ZnO/GaN/Al ₂ O ₃ and ZnO/Al ₂ O ₃ Films Grown by Low-Pressure Metal Organic Chemical Vapour Deposition. Chinese Physics Letters, 2003, 20, 2045-2048.	1.3	0
177	Green Cathodoluminescence Properties of Zinc Oxide Films Prepared by Excimer Laser Irradiation of a Sol-Gel-Derived Precursor. Japanese Journal of Applied Physics, 2003, 42, 1179-1184.	0.8	8
178	Simple technique for bulk quantity synthesis of ZnO tetrapod nanorods. , 2003, 5219, 51.		0
179	Synthesis of ZnO Nanobelts by Carbothermal Reduction and Their Photoluminescence Properties. Chemistry Letters, 2003, 32, 546-547.	0.7	27
180	Growth and Characterization of ZnO Nanowires. Materials Research Society Symposia Proceedings, 2003, 776, 791.	0.1	2
181	Green Photoluminescence Suppression in ZnO Embedded in Porous Opal. Japanese Journal of Applied Physics, 2004, 43, 6101-6103.	0.8	9
182	Photoluminescence Characterization of Nanocrystalline ZnO Array. Chinese Physics Letters, 2004, 21, 2301-2304.	1.3	7

#	ARTICLE	IF	CITATIONS
183	Preparation and optimization of ZnO films on single-crystal diamond substrate by metal-organic chemical vapour deposition. <i>Semiconductor Science and Technology</i> , 2004, 19, 770-773.	1.0	8
184	Lattice location and stability of implanted Cu in ZnO. <i>Physical Review B</i> , 2004, 69, .	1.1	40
185	Field emission and photofluorescent characteristics of zinc oxide nanowires synthesized by a metal catalyzed vapor-liquid-solid process. <i>Journal of Applied Physics</i> , 2004, 95, 3711-3716.	1.1	183
186	Effects of chemical composition on the optical properties of Zn _{1-x} Cd _x O thin films. <i>Applied Physics Letters</i> , 2004, 85, 218-220.	1.5	51
187	Growth and Characterization of ZnO Nanonail. <i>Materials Research Society Symposia Proceedings</i> , 2004, 829, 190.	0.1	2
188	ZnO Nanostructures Prepared by Different Methods. <i>Materials Research Society Symposia Proceedings</i> , 2004, 818, 347.	0.1	2
189	Luminescence in ZnO Quantum Particles. <i>Journal of Materials Research</i> , 2004, 19, 737-740.	1.2	22
190	Photoluminescence and photosensitive properties of ZnO strands self-twined by nanowires. <i>Nanotechnology</i> , 2004, 15, 559-561.	1.3	31
191	ZnO thin films growth, characteristics and applications. , 0, , .		1
192	Preparation and Luminescent Properties of ZnO Microrods and Microtubes. <i>Chinese Physics Letters</i> , 2004, 21, 1366-1369.	1.3	12
193	Green luminescence band of zinc oxide films copper-doped by thermal diffusion. <i>Semiconductors</i> , 2004, 38, 31-35.	0.2	39
194	Recovery of the luminescence property in sulfur-implanted ZnO thin film. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2004, 217, 417-422.	0.6	10
195	Microstructural and photoluminescent characterization of one-dimensional ZnO nanostructures prepared by catalyst-assisted vapour-liquid-solid technique. <i>Materials Chemistry and Physics</i> , 2004, 87, 196-200.	2.0	12
196	Controlled synthesis of ZnO nanocrystals with column-, rosette- and fiber-like morphologies and their photoluminescence property. <i>Materials Chemistry and Physics</i> , 2004, 88, 150-154.	2.0	12
197	The Optical Properties of ZnO Nanoparticles Capped with Polyvinyl Butyral. <i>Journal of Sol-Gel Science and Technology</i> , 2004, 30, 157-161.	1.1	74
198	Origin of defect emission identified by polarized luminescence from aligned ZnO nanorods. <i>Journal of Applied Physics</i> , 2004, 96, 4671-4673.	1.1	198
199	Combustion synthesis and luminescence properties of Dy ³⁺ -doped MgO nanocrystals. <i>Journal of Crystal Growth</i> , 2004, 260, 507-510.	0.7	35
200	Luminescence of SnO ₂ thin films prepared by spin-coating method. <i>Journal of Crystal Growth</i> , 2004, 262, 182-185.	0.7	141

#	ARTICLE	IF	CITATIONS
201	Low-temperature solution approach toward highly aligned ZnO nanotip arrays. <i>Journal of Crystal Growth</i> , 2004, 268, 242-248.	0.7	72
202	Growth and formation mechanism of c-oriented ZnO nanorod arrays deposited on glass. <i>Journal of Crystal Growth</i> , 2004, 269, 464-471.	0.7	96
203	Influence of ambient gases on the morphology and photoluminescence of ZnO nanostructures synthesized with nickel oxide catalyst. <i>Journal of Crystal Growth</i> , 2004, 270, 491-497.	0.7	24
204	Blue luminescent center in ZnO films deposited on silicon substrates. <i>Optical Materials</i> , 2004, 26, 239-242.	1.7	208
205	Growth mechanism and characterization of zinc oxide microcages. <i>Solid State Communications</i> , 2004, 130, 517-521.	0.9	75
206	Studies of ZnO Thin Films On Sapphire (0001) Substrates Deposited by Pulsed Laser Deposition. <i>Journal of Electroceramics</i> , 2004, 13, 189-194.	0.8	12
207	Effect of Strain Gradation on Luminescence and Electronic Properties of Pulsed Laser Deposited Zinc Oxide Thin Films. <i>Journal of Electroceramics</i> , 2004, 13, 345-352.	0.8	28
208	Photoluminescence behavior of purpose-built ZnO arrays on different growth substrates. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 79, 1797-1799.	1.1	11
209	Growth and optical properties of quadrangular zinc oxide nanorods on copper-filled porous silicon. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 79, 443-446.	1.1	20
210	On the growth mechanism and optical properties of ZnO multi-layer nanosheets. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 79, 1895-1900.	1.1	96
211	Synthesis and luminescent property of single-crystal ZnO nanobelts by a simple low temperature evaporation route. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 79, 1847-1851.	1.1	77
212	Aluminium-doped zinc oxide films prepared by an inorganic sol-gel route. <i>Thin Solid Films</i> , 2004, 449, 86-93.	0.8	23
213	Characterization of enhanced emission from excimer laser treated ZnO ceramics using one- and two-photon luminescence spectroscopy and microscopy. <i>Journal of Luminescence</i> , 2004, 106, 1-7.	1.5	7
214	Excitonic and defect related transitions in ZnO-SiO ₂ nanocomposites synthesized by sol-gel technique. <i>Physica Status Solidi A</i> , 2004, 201, 2134-2142.	1.7	23
215	ZnO and ZnO:Mn crystals obtained with the chemical vapour transport method. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 884-887.	0.8	3
216	Structural and optical properties of ZnO nanowires synthesized with different catalysts and substrate pre-treatments. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 2554-2558.	0.8	3
217	Hybrid QM/MM embedding approach for the treatment of localized surface states in ionic materials. <i>International Journal of Quantum Chemistry</i> , 2004, 99, 695-712.	1.0	97
218	Well-Aligned ZnO Nanowire Arrays Fabricated on Silicon Substrates. <i>Advanced Functional Materials</i> , 2004, 14, 589-594.	7.8	272

#	ARTICLE	IF	CITATIONS
219	Photoluminescence and Electron Paramagnetic Resonance of ZnO Tetrapod Structures. <i>Advanced Functional Materials</i> , 2004, 14, 856-864.	7.8	581
220	Well-Aligned ZnO Nanorods via Hydrogen Treatment of ZnO Films. <i>Advanced Functional Materials</i> , 2004, 14, 806-810.	7.8	88
221	Room-Temperature Surface-Erosion Route to ZnO Nanorod Arrays and Urchin-like Assemblies. <i>Chemistry - A European Journal</i> , 2004, 10, 5823-5828.	1.7	67
222	Nanometric superlattices: non-lithographic fabrication, materials, and prospects. <i>Materials Science and Engineering Reports</i> , 2004, 43, 103-138.	14.8	181
223	ZnO nanowire growth and devices. <i>Materials Science and Engineering Reports</i> , 2004, 47, 1-47.	14.8	534
224	Effect of polycrystallinity on the optical properties of highly oriented ZnO grown by pulsed laser deposition. <i>Thin Solid Films</i> , 2004, 458, 330-335.	0.8	19
225	Positioning growth of ZnO whiskers/dots on sapphire substrates. <i>Thin Solid Films</i> , 2004, 464-465, 273-276.	0.8	9
226	Hydrothermal synthesis and photoluminescence properties of ZnO nanowires. <i>Solid State Communications</i> , 2004, 132, 269-271.	0.9	136
227	The growth and optical properties of ZnO nanowires at the junctions of nanowalls. <i>Solid State Communications</i> , 2004, 132, 837-840.	0.9	20
228	Influence of the sintering temperature on the electrical and luminescent properties of Mn-doped ZnO. <i>Solid State Ionics</i> , 2004, 167, 355-366.	1.3	8
229	Suppression of the green photoluminescence band in ZnO embedded into porous opal by spray pyrolysis. <i>Journal of Luminescence</i> , 2004, 109, 25-29.	1.5	25
230	ZnO nanoparticles included within all-silica MCM-41: preparation and spectroscopic studies. <i>Journal of Luminescence</i> , 2004, 110, 17-22.	1.5	40
231	Picosecond excitonic luminescence in ZnO and other wide-gap semiconductors. <i>Radiation Measurements</i> , 2004, 38, 501-505.	0.7	122
232	Optical properties of Zn-terminated ZnO bulk. <i>Journal of Crystal Growth</i> , 2004, 261, 526-532.	0.7	148
233	Synthesis of uniform rod-like, multi-pod-like ZnO whiskers and their photoluminescence properties. <i>Journal of Crystal Growth</i> , 2004, 262, 290-294.	0.7	76
234	Size control of ZnO nanoparticles via thermal decomposition of zinc acetate coated on organic additives. <i>Journal of Crystal Growth</i> , 2004, 263, 447-453.	0.7	203
235	The characteristics of low-temperature-synthesized ZnS and ZnO nanoparticles. <i>Journal of Crystal Growth</i> , 2004, 269, 385-391.	0.7	143
236	Effect of annealing on the photoluminescence characteristics of ZnO thin films grown on the sapphire substrate by atomic layer epitaxy. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004, 107, 301-304.	1.7	62

#	ARTICLE	IF	CITATIONS
237	Mechanisms of green emission from ZnO films prepared by rf magnetron sputtering. <i>Optical Materials</i> , 2004, 26, 23-26.	1.7	68
238	Catalyst-free growth of ZnO nanowires by metal-organic chemical vapour deposition (MOCVD) and thermal evaporation. <i>Acta Materialia</i> , 2004, 52, 3949-3957.	3.8	183
239	Homogeneous-catalytic synthesis of tetrapodlike ZnO nanocrystals and their photoluminescence properties. <i>Chemical Physics Letters</i> , 2004, 390, 296-300.	1.2	25
240	Strong room-temperature UV emission of nanocrystalline ZnO films derived from a polymeric solution. <i>Chemical Physics Letters</i> , 2004, 391, 278-282.	1.2	24
241	A control on the photoluminescence properties in P-passivated nanocrystalline ZnO films. <i>Chemical Physics Letters</i> , 2004, 397, 360-363.	1.2	4
242	Enhancement of exciton emission from ZnO nanocrystalline films by pulsed laser annealing. <i>Applied Surface Science</i> , 2004, 226, 242-248.	3.1	53
243	Electron microscopic and X-ray diffraction investigations of nanostructured thin films of ZnO. , 0, , .		1
244	The visible luminescent characteristics of ZnO supported on SiO ₂ powder. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 4473-4479.	1.3	33
245	Study of the crystallinity of ZnO in the Zn/ZnO nanocable heterostructures Electronic supplementary information (ESI) available: SEM and XRD. See http://www.rsc.org/suppdata/jm/b4/b400646a/ . <i>Journal of Materials Chemistry</i> , 2004, 14, 1413.	6.7	25
246	Simple Fabrication Method for ZnO Nanoneedle Structures. , 2004, , .		0
247	Photoluminescence dynamics in ensembles of wide-band-gap nanocrystallites and powders. <i>Journal of Applied Physics</i> , 2004, 96, 675-682.	1.1	110
248	The synthesis and photoluminescence of multipod-like zinc oxide whiskers. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 1115-1121.	0.7	13
249	Zinc oxide nanowires and nanorods fabricated by vapour-phase transport at low temperature. <i>Nanotechnology</i> , 2004, 15, 839-842.	1.3	39
250	Magnetic properties of Mn doped ZnO tetrapod structures. <i>Applied Physics Letters</i> , 2004, 84, 756-758.	1.5	181
251	Synthesis and Characterization of Aligned ZnO Nanorods on Porous Aluminum Oxide Template. <i>Journal of Physical Chemistry B</i> , 2004, 108, 11976-11980.	1.2	102
252	Room Temperature Solution Synthesis of Monodispersed Single-Crystalline ZnO Nanorods and Derived Hierarchical Nanostructures. <i>Langmuir</i> , 2004, 20, 4196-4204.	1.6	283
253	Hydrothermal route to ZnO nanocoral reefs and nanofibers. <i>Applied Physics Letters</i> , 2004, 84, 287-289.	1.5	88
254	Temperature-dependent optical properties of hexagonal and cubic Mg _x Zn _{1-x} O thin-film alloys. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 2973-2980.	0.7	48

#	ARTICLE	IF	CITATIONS
255	Annealing effect on the property of ultraviolet and green emissions of ZnO thin films. Journal of Applied Physics, 2004, 95, 1246-1250.	1.1	542
256	Evolution of the morphology and optical properties of ZnO nanowires during catalyst-free growth by thermal evaporation. Nanotechnology, 2004, 15, 1441-1445.	1.3	30
257	Vertically Aligned Sulfur-Doped ZnO Nanowires Synthesized via Chemical Vapor Deposition. Journal of Physical Chemistry B, 2004, 108, 5206-5210.	1.2	192
258	Growth mechanism and properties of ZnO nanorods synthesized by plasma-enhanced chemical vapor deposition. Journal of Applied Physics, 2004, 95, 3141-3147.	1.1	654
259	Visible photoluminescence in ZnO tetrapod and multipod structures. Applied Physics Letters, 2004, 84, 2635-2637.	1.5	152
260	Manganese-doped ZnO nanobelts for spintronics. Applied Physics Letters, 2004, 84, 783-785.	1.5	301
261	ZnO Clusters Encapsulated inside Micropores of Zeolites Studied by UV Raman and Laser-Induced Luminescence Spectroscopies. Journal of Physical Chemistry B, 2004, 108, 12669-12676.	1.2	166
262	The fabrication and optical properties of highly crystalline ultra-long Cu-doped ZnO nanowires. Nanotechnology, 2004, 15, 1152-1155.	1.3	94
263	Ultraviolet Emission in ZnO Films Controlled by Point Defects. Journal of the Electrochemical Society, 2004, 151, G285.	1.3	28
264	Periodic array of uniform ZnO nanorods by second-order self-assembly. Applied Physics Letters, 2004, 84, 3376-3378.	1.5	224
265	A New Luminescent Phenomenon of ZnO Due to the Precipitate Trapping Effect of MgO. Chemistry of Materials, 2004, 16, 768-770.	3.2	38
266	Photoresponse of sol-gel-synthesized ZnO nanorods. Applied Physics Letters, 2004, 84, 5022-5024.	1.5	264
267	Low-temperature orientation-selective growth and ultraviolet emission of single-crystal ZnO nanowires. Applied Physics Letters, 2004, 84, 3358-3360.	1.5	103
268	Visible photoluminescence and conductometric response of tin oxide nanobelts to NO ₂ : toward a selective gas sensor. , 0, , .		0
269	The photoluminescence properties of zinc oxide nanofibres prepared by electrospinning. Nanotechnology, 2004, 15, 320-323.	1.3	98
270	Quantum confinement in ZnO nanorods. Applied Physics Letters, 2004, 85, 3833-3835.	1.5	258
271	The chemical vapour transport growth of ZnO single crystals. Journal of Alloys and Compounds, 2004, 371, 150-152.	2.8	34
272	Low-temperature growth and optical properties of radial ZnO nanowires. Materials Letters, 2004, 58, 3976-3979.	1.3	35

#	ARTICLE	IF	CITATIONS
273	Photoluminescence Properties of SnO ₂ Nanoparticles Synthesized by Sol-Gel Method. Journal of Physical Chemistry B, 2004, 108, 8119-8123.	1.2	542
274	Tunable Visible Photoluminescence from ZnO Thin Films through Mg-Doping and Annealing. Chemistry of Materials, 2004, 16, 2965-2968.	3.2	162
275	Structure Evaluation and Highly Enhanced Luminescence of Dy ³⁺ -Doped ZnO Nanocrystals by Li-Doping via Combustion Method. Langmuir, 2004, 20, 3528-3531.	1.6	185
276	Size-dependent surface luminescence in ZnO nanowires. Physical Review B, 2004, 69, .	1.1	592
277	Heterostructures of ZnO Nanorods with Various One-Dimensional Nanostructures. Journal of Physical Chemistry B, 2004, 108, 12318-12326.	1.2	127
278	Different origins of visible luminescence in ZnO nanostructures fabricated by the chemical and evaporation methods. Applied Physics Letters, 2004, 85, 1601-1603.	1.5	606
279	<title>The nanostructures and optical properties of ZnO films by RF magnetron sputtering</title>. , 2004, , .		1
280	Characterization of thin films of ZnO prepared by sol-gel processes. , 2004, , .		1
281	A Novel Method for the Preparation of Green-photoluminescent Zinc Oxide by Microwave-assisted Carbothermal Reduction. Chemistry Letters, 2004, 33, 246-247.	0.7	9
282	Microwave-assisted Synthesis of Flower-like ZnO Nanosheet Aggregates in a Room-temperature Ionic Liquid. Chemistry Letters, 2004, 33, 1332-1333.	0.7	45
283	Hydrothermal Synthesis of Zinc Oxide Crystals in Homogeneous Mixture of Carbon Dioxide, Hydrogen, and Water. Chemistry Letters, 2004, 33, 708-709.	0.7	3
284	Solvothermal Synthesis And Properties Of SnO ₂ Nanorods. Materials Research Innovations, 2005, 9, 22-23.	1.0	0
285	Photoluminescence of ZnO Fine Powders Synthesized by Sol-Gel Process. Journal of the Ceramic Society of Japan, 2005, 113, 64-66.	1.3	6
286	Microstructure and photoluminescence properties of ZnO thin films grown by PLD on Si(111) substrates. Applied Surface Science, 2005, 239, 176-181.	3.1	259
287	Synthesis of web-like-structured ZnO cluster with strong photoluminescence intensity. Journal of Physics and Chemistry of Solids, 2005, 66, 31-35.	1.9	5
288	Dominance of deep over shallow donors and the non-Debye response of ZnO-based varistors. Journal of the European Ceramic Society, 2005, 25, 3005-3009.	2.8	2
289	Luminescence of bound excitons in ZnO:Zn phosphor powders. Journal of Luminescence, 2005, 113, 115-120.	1.5	14
290	Influence of deposition temperature (T _s), air flow rate (f) and precursors on cathodoluminescence properties of ZnO thin films prepared by spray pyrolysis. Journal of Luminescence, 2005, 113, 183-190.	1.5	56

#	ARTICLE	IF	CITATIONS
291	Growth and characterisation of ZnO quantum dots in polyacrylamide. <i>Microelectronics Journal</i> , 2005, 36, 234-236.	1.1	11
292	Effect of photonic band-gap on photoluminescence of ZnO deposited inside the green synthetic opal. <i>Optics Communications</i> , 2005, 250, 111-119.	1.0	19
293	Optical properties and luminescence of metallic nanoclusters in ZnO:Cu. <i>Physica B: Condensed Matter</i> , 2005, 363, 88-95.	1.3	57
294	Well-aligned zinc oxide nanorods and nanowires prepared without catalyst. <i>Journal of Crystal Growth</i> , 2005, 274, 126-131.	0.7	81
295	Self-assembly ZnO nanorods by pulsed laser deposition under argon atmosphere. <i>Journal of Crystal Growth</i> , 2005, 274, 167-172.	0.7	98
296	Improved Nâ€“Al codoped p-type ZnO thin films by introduction of a homo-buffer layer. <i>Journal of Crystal Growth</i> , 2005, 274, 425-429.	0.7	21
297	Rapid synthesis and photoluminescence of novel ZnO nanotetrapods. <i>Journal of Crystal Growth</i> , 2005, 274, 447-452.	0.7	38
298	The vibration and photoluminescence properties of one-dimensional ZnO nanowires. <i>Journal of Crystal Growth</i> , 2005, 274, 506-511.	0.7	31
299	Efficient UV photoluminescence from monodispersed secondary ZnO colloidal spheres synthesized by solâ€“gel method. <i>Journal of Crystal Growth</i> , 2005, 277, 192-199.	0.7	81
300	Multipod zinc oxide nanowhiskers. <i>Journal of Crystal Growth</i> , 2005, 277, 330-334.	0.7	22
301	Catalyst-free synthesis of ZnO nanowires on Si by oxidation of Zn powders. <i>Journal of Crystal Growth</i> , 2005, 277, 471-478.	0.7	122
302	Star-shaped ZnO nanostructures on silicon by cyclic feeding chemical vapor deposition. <i>Journal of Crystal Growth</i> , 2005, 277, 479-484.	0.7	76
303	ZnO nanostructure networks grown on silicon substrates. <i>Journal of Crystal Growth</i> , 2005, 277, 490-495.	0.7	20
304	Low-temperature synthesis of nanocrystalline ZnO by thermal decomposition of a â€œgreenâ€• single-source inorganic precursor in air. <i>Journal of Crystal Growth</i> , 2005, 280, 250-254.	0.7	78
305	Control of ZnO morphologies via surfactants assisted route in the subcritical water. <i>Journal of Crystal Growth</i> , 2005, 280, 126-134.	0.7	63
306	Catalyst-free large-quantity synthesis of ZnO nanorods by a vaporâ€“solid growth mechanism: Structural and optical properties. <i>Journal of Crystal Growth</i> , 2005, 282, 131-136.	0.7	183
307	Single-crystalline ZnO nanobelts by RF sputtering. <i>Journal of Crystal Growth</i> , 2005, 282, 365-369.	0.7	59
308	Novel ZnO microballs synthesized via pyrolysis of zinc-acetate in oxygen atmosphere. <i>Journal of Crystal Growth</i> , 2005, 282, 506-512.	0.7	18

#	ARTICLE	IF	CITATIONS
309	Effects of post-annealing temperature on structural, optical, and electrical properties of ZnO and Zn _{1-x} Mg _x O films by reactive RF magnetron sputtering. Journal of Crystal Growth, 2005, 283, 170-179.	0.7	53
310	Zno nanoshells: Synthesis, structure, and optical properties. Journal of Crystal Growth, 2005, 283, 134-140.	0.7	26
311	Formation of quasi-aligned ZnCdO nanorods and nanoneedles. Journal of Crystal Growth, 2005, 283, 373-377.	0.7	39
312	ZnO:Zn phosphor thin films prepared by face-to-face annealing. Journal of Crystal Growth, 2005, 284, 347-352.	0.7	10
313	Preparation and photoluminescence of Sc-doped ZnO nanowires. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 25, 587-591.	1.3	15
314	Fabrication, structural characterization and the photoluminescence properties of ZnO nanoneedle arrays. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 27, 302-307.	1.3	18
315	Hydrothermal preparation and optical properties of ZnO nanorods. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 121, 42-47.	1.7	184
316	Photoluminescence of zinc oxide supported on submicron silica particles. Materials Science and Engineering C, 2005, 25, 654-657.	3.8	6
317	Photoluminescence of zirconia films with VUV excitation. Journal of Electron Spectroscopy and Related Phenomena, 2005, 144-147, 865-868.	0.8	29
318	Influence of oxygen partial pressure on the structure and photoluminescence of direct current reactive magnetron sputtering ZnO thin films. Thin Solid Films, 2005, 473, 58-62.	0.8	141
319	Thin polycrystalline zinc oxide films obtained by oxidation of metallic zinc films. Thin Solid Films, 2005, 473, 241-246.	0.8	59
320	Effects of laser-ablated impurity on aligned ZnO nanorods grown by chemical vapor deposition. Thin Solid Films, 2005, 487, 35-39.	0.8	52
321	Well-aligned ZnO nanocolumns grown by reactive electron beam evaporation. Solid State Communications, 2005, 134, 735-739.	0.9	13
322	Synthesis of ZnO three-dimensional architectures and their optical properties. Solid State Communications, 2005, 136, 304-307.	0.9	60
323	Photoluminescence and photoconductance in annealed ZnO thin films. Chemical Physics Letters, 2005, 403, 415-419.	1.2	55
324	Fractal dimension and photoluminescence of ZnO tetrapod nanowhiskers. Chemical Physics Letters, 2005, 406, 457-461.	1.2	41
325	Growth temperature controlled shape variety of ZnO nanowires. Chemical Physics Letters, 2005, 407, 91-94.	1.2	53
326	Fabrication and optical properties of highly ordered ZnO nanodot arrays. Chemical Physics Letters, 2005, 411, 37-42.	1.2	44

#	ARTICLE	IF	CITATIONS
327	Wettability conversion on ZnO nanowire arrays surface modified by oxygen plasma treatment and annealing. <i>Chemical Physics Letters</i> , 2005, 413, 450-453.	1.2	62
328	Effect of thermal annealing on the optical and electronic properties of ZnO thin films grown on p-Si substrates. <i>Applied Surface Science</i> , 2005, 245, 384-390.	3.1	37
329	Well-aligned ZnO nanowires grown on Si substrate via metal-organic chemical vapor deposition. <i>Applied Surface Science</i> , 2005, 250, 280-283.	3.1	25
330	Self-assembly of ZnO nano-particles and preparation of bulk ZnO porous nanosolids. <i>Science Bulletin</i> , 2005, 50, 612.	1.7	7
331	Enhanced Resonant Raman Scattering and Electron-Phonon Coupling from Self-Assembled Secondary ZnO Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2005, 109, 18385-18390.	1.2	83
332	Controlling the Morphology of ZnO Nanostructures in a Low-Temperature Hydrothermal Process. <i>Journal of Physical Chemistry B</i> , 2005, 109, 15317-15321.	1.2	267
333	A comprehensive review of ZnO materials and devices. <i>Journal of Applied Physics</i> , 2005, 98, 041301.	1.1	9,857
334	Photoluminescence Properties of Nanocrystalline ZnO Ceramics Prepared by Pressureless Sintering and Spark Plasma Sintering. <i>Journal of the American Ceramic Society</i> , 2005, 88, 1637-1639.	1.9	42
335	A new luminescent material, SrZnO ₂ :Tb ³⁺ . <i>Materials Letters</i> , 2005, 59, 1178-1182.	1.3	10
336	Enhanced green photoluminescence from ZnO films prepared by TFA-MOD method. <i>Materials Letters</i> , 2005, 59, 3042-3045.	1.3	7
337	Structure-directing self-organized, one-dimensional ZnO single-crystal whiskers. <i>Solid State Sciences</i> , 2005, 7, 45-51.	1.5	23
338	Effect of N ₂ flow rate on morphology and structure of ZnO nanocrystals synthesized via vapor deposition. <i>Scripta Materialia</i> , 2005, 52, 63-67.	2.6	61
339	Green Light Luminescence from ZnO/Dodecylamine Mesolamellar Nanocomposites Synthesized by Self-Assembly. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 727-731.	1.0	8
340	UV, violet and blue-green luminescence from RF sputter deposited ZnO:Al thin films. <i>Crystal Research and Technology</i> , 2005, 40, 1150-1154.	0.6	69
341	Germanium-Catalyzed Growth of Zinc Oxide Nanowires: A Semiconductor Catalyst for Nanowire Synthesis. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 274-278.	7.2	56
343	Zinc Oxide Nanoparticles with Defects. <i>Advanced Functional Materials</i> , 2005, 15, 1945-1954.	7.8	499
344	Synthesis of ZnO Nanocrystals with Cone, Hexagonal Cone, and Rod Shapes via Non-Hydrolytic Ester Elimination Sol-Gel Reactions. <i>Advanced Materials</i> , 2005, 17, 1873-1877.	11.1	262
345	MOCVD growth and properties of ZnO films using dimethylzinc and oxygen. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 81, 809-812.	1.1	50

#	ARTICLE	IF	CITATIONS
346	Correlation between green luminescence and morphology evolution of ZnO films. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 81, 759-762.	1.1	205
347	Synthesis and properties of multipod-shaped ZnO nanorods for gas-sensor applications. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 80, 1451-1454.	1.1	290
348	A low-temperature evaporation route for ZnO nanoneedles and nanosaws. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 80, 457-460.	1.1	17
349	Hydrothermal growth of well-aligned ZnO nanorod arrays: Dependence of morphology and alignment ordering upon preparing conditions. <i>Journal of Solid State Chemistry</i> , 2005, 178, 1864-1873.	1.4	424
350	Preparation of ZnO nanoparticles in a reverse micellar system and their photoluminescence properties. <i>Journal of Colloid and Interface Science</i> , 2005, 284, 184-189.	5.0	24
351	Metal oxide nanocrystals for gas sensing. <i>Sensors and Actuators B: Chemical</i> , 2005, 109, 2-6.	4.0	113
352	Hydrothermal synthesis of ZnO:Zn with green emission at low temperature with reduction process. <i>Solid State Communications</i> , 2005, 135, 34-37.	0.9	71
353	The structural and optical properties of ZnO nanorod arrays. <i>Solid State Communications</i> , 2005, 135, 179-182.	0.9	98
354	Relationships of surface oxygen vacancies with photoluminescence and photocatalytic performance of ZnO nanoparticles. <i>Science in China Series B: Chemistry</i> , 2005, 48, 25-30.	0.8	79
355	Synthesis of ZnO nanowalls on Al ₂ O ₃ (0001) by catalyst-free metalorganic chemical vapor deposition. <i>Metals and Materials International</i> , 2005, 11, 165-168.	1.8	4
356	Growth and formation mechanism of sea urchin-like ZnO nanostructures on Si. <i>Korean Journal of Chemical Engineering</i> , 2005, 22, 489-493.	1.2	19
357	Optical properties of Mg _{0.05} Zn _{0.95} O/SiO ₂ nanocomposite films prepared by sol-gel technique. <i>Journal of Nanoparticle Research</i> , 2005, 7, 195-201.	0.8	15
358	Synthesis and optical properties of Pb-doped ZnO nanowires. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2005, 202, 405-410.	0.8	32
359	Enhancement of UV luminescence in sol-gel prepared ZnO thin films by incorporation of Mg. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2005, 202, 441-448.	0.8	10
360	Photoluminescence and photomodulated transmittance spectroscopy of ZnO nanowires. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2005, 202, 1325-1335.	0.8	19
361	Band-gap modification and tunable blue luminescence of wurtzite Mg _x Zn _{1-x} O thin films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2005, 202, 1825-1828.	0.8	36
362	Chemical Vapor Synthesis of Size-Selected Zinc Oxide Nanoparticles. <i>Small</i> , 2005, 1, 540-552.	5.2	144
363	Synthesis and Characterization of Sol-Gel Derived Cu Doped ZnO Films. <i>Transactions of the Indian Ceramic Society</i> , 2005, 64, 133-136.	0.4	0

#	ARTICLE	IF	CITATIONS
364	Green Photoluminescence in ZnO Nanostructures. AIP Conference Proceedings, 2005, , .	0.3	0
365	MgZnO Nanocrystallites: Photoluminescence and Phonon Properties. Materials Research Society Symposia Proceedings, 2005, 892, 394.	0.1	0
366	Study of Optical Property in ZnO Thin Film Implanted with Eu by Combinatorial Ion Implantation Techniques. Japanese Journal of Applied Physics, 2005, 44, L1289-L1292.	0.8	21
367	Synthesis of ZnO Nanowires by Pulsed Laser Deposition in Furnace. Materials Research Society Symposia Proceedings, 2005, 900, 1.	0.1	0
368	Photoluminescence properties of catalyst-free growth of needle-like ZnO nanowires. Nanotechnology, 2005, 16, 609-612.	1.3	53
369	White-light Emitting ZnO-SiO ₂ Nanocomposite Thin Films Prepared by Sputtering Method. Materials Research Society Symposia Proceedings, 2005, 891, 1.	0.1	0
370	Surface Treatment of Si Using Hydrogen-Plasma to Improve Optoelectronic Property of ZnO on (111)Si. Japanese Journal of Applied Physics, 2005, 44, 7801-7804.	0.8	1
371	Optimization of Annealing Time and Cu Concentration for Study of Luminescence Properties of Cu-Implanted ZnO Thin Films. Japanese Journal of Applied Physics, 2005, 44, L770-L773.	0.8	8
372	The selectively manipulated growth of crystalline ZnO nanostructures. Nanotechnology, 2005, 16, 2104-2110.	1.3	17
373	Photoluminescence Study of the Sol-Gel Derived (Ba _{0.5} Sr _{0.5}) TiO ₃ Thin Films for the Characterization of Trap States. Japanese Journal of Applied Physics, 2005, 44, 34-37.	0.8	12
374	Growth of ZnO hexagonal nanoprisms. Nanotechnology, 2005, 16, 2665-2669.	1.3	50
375	Physical characterization of ZnO nanorods grown on Si from aqueous solution and annealed at various atmospheres. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2005, 23, 2347.	1.6	3
376	Temperature-controlled growth of ZnO nanostructures: branched nanobelts and wide nanosheets. Nanotechnology, 2005, 16, 2561-2566.	1.3	41
377	Structure and Photoluminescence of Nano-ZnO Films Grown on a Si (100) Substrate by Oxygen- and Argon-Plasma-Assisted Thermal Evaporation of Metallic Zn. Chinese Physics Letters, 2005, 22, 998-1001.	1.3	16
378	Photoluminescence Mechanism of ZnO:Zn Investigated by Microwave Dielectric Spectrometry. Chinese Physics Letters, 2005, 22, 2092-2095.	1.3	0
379	Electric field switching between blue-green and red cathodoluminescence in poly(4,4'-diphenylene) Tj ETQq1 1 0.784314 ggBT /Over	1.5	25
380	Quasi-aligned ZnO nanotubes grown on Si substrates. Applied Physics Letters, 2005, 87, 093110.	1.5	55
381	Influence of In incorporation on the electronic structure of ZnO nanowires. Applied Physics Letters, 2005, 86, 033102.	1.5	54

#	ARTICLE	IF	CITATIONS
382	Preparation and characterization of ZnO particles embedded in SiO ₂ matrix by reactive magnetron sputtering. Journal of Applied Physics, 2005, 97, 103509.	1.1	63
383	Synthesis and characterization of quasi-aligned ZnCdO nanorods. Applied Physics Letters, 2005, 87, 143101.	1.5	26
384	Macroscopic energy transport in ZnO monitored by spatiotemporally resolved luminescence. Applied Physics Letters, 2005, 86, 111909.	1.5	25
385	Nanostructured stars of ZnO microcrystals with intense stimulated emission. Applied Physics Letters, 2005, 87, 163103.	1.5	20
386	Biexciton lasing of submicron-sized ZnO particle in a Fabry-Perot cavity. Journal of Applied Physics, 2005, 98, 093510.	1.1	5
387	ZnO hexagonal arrays of nanowires grown on nanorods. Applied Physics Letters, 2005, 86, 251104.	1.5	73
388	Introduction and recovery of point defects in electron-irradiated ZnO. Physical Review B, 2005, 72, .	1.1	293
389	Flower-shaped ZnO nanostructures obtained by cyclic feeding chemical vapour deposition: structural and optical properties. Nanotechnology, 2005, 16, 2462-2468.	1.3	109
390	GROWTH, OPTICAL AND THERMAL PROPERTIES OF ZINC OXIDE NANO WIRES. International Journal of Modern Physics B, 2005, 19, 4247-4258.	1.0	10
391	STRUCTURAL AND OPTICAL CHARACTERIZATION OF ZnO SINGLE CRYSTALLINE NANOBAMBOOS. International Journal of Modern Physics B, 2005, 19, 2804-2810.	1.0	2
392	MORPHOLOGICAL CHARACTERISTIC AND PHOTOLUMINESCENCE PROPERTY OF ZnO TETRAPOD NANOSTRUCTURES PREPARED BY SELF-SUBSTRATE METHOD. International Journal of Modern Physics B, 2005, 19, 2871-2876.	1.0	1
393	Synthesis and Optical Properties of ZnO Nanostructures. Chinese Physics Letters, 2005, 22, 2084-2087.	1.3	4
394	Defect emissions in ZnO nanostructures. , 2005, , .		2
395	Growth behaviour of well-aligned ZnO nanowires on a Si substrate at low temperature and their optical properties. Nanotechnology, 2005, 16, 2455-2461.	1.3	45
396	Growth and Characterization of [001] ZnO Nanorod Array on ITO Substrate with Electric Field Assisted Nucleation. Materials Research Society Symposia Proceedings, 2005, 879, 1.	0.1	0
397	Effect of Electroless Copper on the Growth of ZnO Nanowires. Journal of Materials Research, 2005, 20, 2348-2353.	1.2	7
398	Morphology and Properties of Tetraleg ZnO Nanostructures Fabricated by Zn-Powder Evaporation without Catalysts at Lower Temperature. Materials Research Society Symposia Proceedings, 2005, 879, 1.	0.1	1
399	Low-Temperature Fabrication of Zinc Oxide Micropatterns Using Selective Electroless Deposition. Electrochemical and Solid-State Letters, 2005, 8, H75.	2.2	6

#	ARTICLE	IF	CITATIONS
400	Grown of ZnO: Ce layers by spray pyrolysis method for nonlinear optical studies. , 0, , .		2
401	Large-Scale Synthesis of Hexagonal Pyramid-Shaped ZnO Nanocrystals from Thermolysis of Zn ²⁺ Oleate Complex. Journal of Physical Chemistry B, 2005, 109, 14792-14794.	1.2	128
402	Growth and spatially resolved luminescence of low dimensional structures in sintered ZnO. Nanotechnology, 2005, 16, 931-935.	1.3	43
403	Near-band-edge slow luminescence in nominally undoped bulk ZnO. Journal of Applied Physics, 2005, 98, 013502.	1.1	54
404	Pressure-dependent photoluminescence study of ZnO nanowires. Applied Physics Letters, 2005, 86, 153117.	1.5	83
405	Morphology-controlled large-scale synthesis of ZnO nanocrystals from bulk ZnO. Chemical Communications, 2005, , 1158.	2.2	51
406	ZnO Nanowires Grown by Atmospheric Pressure Chemical Vapor Deposition Using ZnCl ₂ and H ₂ O as Source Materials and Their Growth Mechanisms. Japanese Journal of Applied Physics, 2005, 44, L1410-L1413.	0.8	16
407	Short-Period Superlattice Structure of Sn-Doped In ₂ O ₃ (ZnO) ₄ and In ₂ O ₃ (ZnO) ₅ Nanowires. Journal of Physical Chemistry B, 2005, 109, 12785-12790.	1.2	55
408	Patterned Growth of ZnO Nanorod Arrays on a Large-Area Stainless Steel Grid. Journal of Physical Chemistry B, 2005, 109, 1699-1702.	1.2	26
409	Zinc Oxide Nanowires Grown by Vapor-Phase Transport Using Selected Metal Catalysts: A Comparative Study. Chemistry of Materials, 2005, 17, 4227-4234.	3.2	117
410	Catalytic Synthesis and Structural Characteristics of High-Quality Tetrapod-Like ZnO Nanocrystals by a Modified Vapor Transport Process. Crystal Growth and Design, 2005, 5, 151-155.	1.4	90
411	Room-Temperature Irradiation Route To Synthesize a Large-Scale Single-Crystalline ZnO Hexangular Prism. Inorganic Chemistry, 2005, 44, 7280-7282.	1.9	45
412	ZnO Nanobelt Arrays Grown Directly from and on Zinc Substrates: Synthesis, Characterization, and Applications. Journal of Physical Chemistry B, 2005, 109, 15303-15308.	1.2	117
413	Optical transmission and photoluminescence studies of ZnO/MgO nanocomposite thin films. Journal Physics D: Applied Physics, 2005, 38, 4021-4026.	1.3	22
414	Vapor-Solid Growth and Characterization of Aluminum Nitride Nanocones. Journal of the American Chemical Society, 2005, 127, 1318-1322.	6.6	258
415	Optical properties of ZnO and ZnO:In nanorods assembled by sol-gel method. Journal of Chemical Physics, 2005, 123, 134701.	1.2	194
416	Morphological Control and Photoluminescence of Zinc Oxide Nanocrystals. Journal of Physical Chemistry B, 2005, 109, 14314-14318.	1.2	219
417	Composition/Structural Evolution and Optical Properties of ZnO/Zn Nanoparticles by Laser Ablation in Liquid Media. Journal of Physical Chemistry B, 2005, 109, 18260-18266.	1.2	353

#	ARTICLE	IF	CITATIONS
418	Study of the photoluminescence of phosphorus-doped p-type ZnO thin films grown by radio-frequency magnetron sputtering. Applied Physics Letters, 2005, 86, 151917.	1.5	230
419	Efficient multiphoton-absorption-induced luminescence in single-crystalline ZnO at room temperature. Optics Letters, 2005, 30, 3377.	1.7	74
420	Growth mechanism and characterization of ZnO microbelts and self-assembled microcombs. Materials Letters, 2005, 59, 3280-3283.	1.3	55
421	Synthesis of ZnO nanostructures on CuO catalyzed porous silicon substrate. Materials Letters, 2005, 59, 3525-3529.	1.3	8
422	Deep-level emissions influenced by O and Zn implantations in ZnO. Applied Physics Letters, 2005, 87, 211912.	1.5	262
423	Morphological Control of ZnO Nanostructures by Electrodeposition. Journal of Physical Chemistry B, 2005, 109, 13519-13522.	1.2	376
424	Synthesis and Evolution of Novel Hollow ZnO Urchins by a Simple Thermal Evaporation Process. Journal of Physical Chemistry B, 2005, 109, 10578-10583.	1.2	178
425	Peculiar ZnO nanopushpins and nanotubes synthesized via simple thermal evaporation. Applied Physics Letters, 2005, 87, 123111.	1.5	69
426	Comparative Structure and Optical Properties of Ga-, In-, and Sn-Doped ZnO Nanowires Synthesized via Thermal Evaporation. Journal of Physical Chemistry B, 2005, 109, 2526-2531.	1.2	323
427	Hopping conduction in single ZnO nanowires. Nanotechnology, 2005, 16, 746-749.	1.3	63
428	Synthesis and Synchrotron Light-Induced Luminescence of ZnO Nanostructures: Nanowires, Nanoneedles, Nanoflowers, and Tubular Whiskers. Journal of Physical Chemistry B, 2005, 109, 3120-3125.	1.2	130
429	Adsorption effects of NO ₂ at ppm level on visible photoluminescence response of SnO ₂ nanobelts. Applied Physics Letters, 2005, 86, 011923.	1.5	133
430	Formation and luminescence of ZnO nanoparticles embedded in MgO films. Physical Review B, 2005, 71, .	1.1	28
431	Controllable Synthesis of ZnO Nanorod and Prism Arrays in a Large Area. Journal of Physical Chemistry B, 2005, 109, 12697-12700.	1.2	102
432	Selective growth of ZnO nanostructures with coordination polymers. Nanotechnology, 2005, 16, 2303-2308.	1.3	38
433	ZnO nanoclusters: Synthesis and photoluminescence. Applied Physics Letters, 2005, 87, 241917.	1.5	49
434	Ab initio cluster calculations for the absorption energies of F and F ⁺ centers in bulk ZnO. Physical Chemistry Chemical Physics, 2005, 7, 2999.	1.3	31
435	Influence of Surface Modification on the Luminescence of Colloidal ZnO Nanocrystals. Journal of Physical Chemistry B, 2005, 109, 20810-20816.	1.2	312

#	ARTICLE	IF	CITATIONS
436	Single-crystalline Mg _x Zn _{1-x} O (0 ≤ x ≤ 0.25) nanowires on glass substrates obtained by a hydrothermal method: growth, structure and electrical characteristics. <i>Nanotechnology</i> , 2005, 16, 1105-1111.	1.3	27
437	Semiconductor Nanowires for Subwavelength Photonics Integration. <i>Journal of Physical Chemistry B</i> , 2005, 109, 15190-15213.	1.2	276
438	Ultraviolet lasing and time-resolved photoluminescence of well-aligned ZnO nanorod arrays. <i>Applied Physics Letters</i> , 2005, 86, 223106.	1.5	73
439	Production of native donors in ZnO by annealing at high temperature in Zn vapor. <i>Applied Physics Letters</i> , 2005, 87, 172108.	1.5	157
440	Directed assembly of ZnO nanowires on a Si substrate without a metal catalyst using a patterned ZnO seed layer. <i>Nanotechnology</i> , 2005, 16, 292-296.	1.3	91
441	Surface excitonic emission and quenching effects in ZnO nanowire/nanowall systems: Limiting effects on device potential. <i>Physical Review B</i> , 2005, 71, .	1.1	183
442	ZnO symmetric nanosheets integrated with nanowalls. <i>Applied Physics Letters</i> , 2005, 87, 053103.	1.5	73
443	Growth of single crystal ZnO nanorods on GaN using an aqueous solution method. <i>Applied Physics Letters</i> , 2005, 87, 101908.	1.5	59
444	Hydrothermal Growth and Optical Properties of Doughnut-Shaped ZnO Microparticles. <i>Journal of Physical Chemistry B</i> , 2005, 109, 9463-9467.	1.2	224
445	Ultraviolet-illumination-enhanced photoluminescence effect in zinc oxide thin films. <i>Journal of Applied Physics</i> , 2005, 98, 083707.	1.1	44
446	Fabrication, characterization and field emission properties of large-scale uniform ZnO nanotube arrays. <i>Nanotechnology</i> , 2005, 16, 2039-2043.	1.3	100
447	Tailoring the Optical Property by a Three-Dimensional Epitaxial Heterostructure: A Case of ZnO/SnO ₂ . <i>Journal of the American Chemical Society</i> , 2005, 127, 11777-11784.	6.6	195
448	Enhanced photocatalytic activity of ZnO nanotetrapods. <i>Applied Physics Letters</i> , 2005, 87, 083105.	1.5	219
449	Synthesis and optical properties of well-aligned ZnO nanorod array on an undoped ZnO film. <i>Applied Physics Letters</i> , 2005, 86, 031909.	1.5	154
450	Optical characterization of filtered vacuum arc deposited zinc oxide thin films. <i>Semiconductor Science and Technology</i> , 2006, 21, 1303-1310.	1.0	16
451	Anomalous blueshift in emission spectra of ZnO nanorods with sizes beyond quantum confinement regime. <i>Applied Physics Letters</i> , 2006, 88, 241905.	1.5	158
452	Chemical Synthesis of ZnO Nanocrystals. , 0, , .		3
453	Formation, Characterization, and Properties of One-Dimensional Oxide Nanostructures. , 2006, , 169-205.		0

#	ARTICLE	IF	CITATIONS
454	White-light emitting ZnO/SiO ₂ nanocomposite thin films prepared by the target-attached sputtering method. <i>Nanotechnology</i> , 2006, 17, 174-180.	1.3	131
455	ZnO-Based Hollow Microspheres: Biopolymer-Assisted Assemblies from ZnO Nanorods. <i>Journal of Physical Chemistry B</i> , 2006, 110, 15847-15852.	1.2	137
456	Optical and electronic properties of ZnO:P/n+-Si heterostructures fabricated by metalorganic chemical vapour deposition. <i>Semiconductor Science and Technology</i> , 2006, 21, 1090-1093.	1.0	4
457	Tunable Photoluminescent and Cathodoluminescent Properties of ZnO and ZnO:Zn Phosphors. <i>Journal of Physical Chemistry B</i> , 2006, 110, 9469-9476.	1.2	76
458	Luminescent properties of solution-grown ZnO nanorods. <i>Applied Physics Letters</i> , 2006, 88, 252103.	1.5	120
459	ZnO light-emitting diode grown by plasma-assisted metal organic chemical vapor deposition. <i>Applied Physics Letters</i> , 2006, 88, 173506.	1.5	261
460	Effects of postgrowth annealing treatment on the photoluminescence of zinc oxide nanorods. <i>Journal of Applied Physics</i> , 2006, 99, 113509.	1.1	76
461	Simple fabrication of a ZnO nanowire photodetector with a fast photoresponse time. <i>Applied Physics Letters</i> , 2006, 88, 133114.	1.5	315
462	Study on synthesis and blue emission mechanism of ZnO tetrapodlike nanostructures. <i>Journal of Applied Physics</i> , 2006, 100, 054311.	1.1	98
463	Catalyst-free pulsed-laser-deposited ZnO nanorods and their room-temperature photoluminescence properties. <i>Applied Physics Letters</i> , 2006, 88, 053110.	1.5	108
464	Morphology evolution and photoluminescence properties of ZnO films electrochemically deposited on conductive glass substrates. <i>Journal of Applied Physics</i> , 2006, 99, 073516.	1.1	114
465	Effects of nitrogen doping and illumination on lattice constants and conductivity behavior of zinc oxide grown by magnetron sputtering. <i>Journal of Applied Physics</i> , 2006, 99, 123510.	1.1	63
466	ZnGa ₂ O ₄ nanotubes with sharp cathodoluminescence peak. <i>Applied Physics Letters</i> , 2006, 88, 143102.	1.5	44
467	Defect centers and optical absorption edge of degenerated semiconductor ZnO thin films grown by a reactive plasma deposition by means of piezoelectric photothermal spectroscopy. <i>Journal of Applied Physics</i> , 2006, 99, 043508.	1.1	87
468	Self-Organized ZnO Microcombs with Cuboid Nanobranches by Simple Thermal Evaporation. <i>Crystal Growth and Design</i> , 2006, 6, 2588-2591.	1.4	19
469	Photoluminescence studies of spray pyrolytically grown nanostructured tin oxide semiconductor thin films on glass substrates. <i>Journal Physics D: Applied Physics</i> , 2006, 39, 4540-4543.	1.3	77
470	dc thermal plasma synthesis and properties of zinc oxide nanorods. <i>Journal of Vacuum Science & Technology B</i> , 2006, 24, 1322.	1.3	21
471	Optical Properties of ZnO and Related Alloys. , 2006, , 175-239.		21

#	ARTICLE	IF	CITATIONS
472	Novel Fluorescent Polymer/Zinc Oxide Hybrid Particles: Synthesis and Application as a Luminescence Converter for White Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2006, 18, 4990-4992.	3.2	27
473	The Relationships between UV Emission and Green Emission in ZnO Phosphor. <i>Acta Physico-chimica Sinica</i> , 2006, 22, 1383-1387.	0.6	6
474	Virtual structure in luminescence profile of zinc oxide films causing discrepancy in peak identification. <i>Journal of Applied Physics</i> , 2006, 100, 114917.	1.1	5
475	Aligned hexagonal coaxial-shaped ZnO nanocolumns on steel alloy by thermal evaporation. <i>Applied Physics Letters</i> , 2006, 88, 173120.	1.5	138
476	Simple Solvothermal Route To Synthesize ZnO Nanosheets, Nanonails, and Well-Aligned Nanorod Arrays. <i>Journal of Physical Chemistry B</i> , 2006, 110, 17848-17853.	1.2	159
477	One-Dimensional ZnO Nanostructure Arrays: Synthesis and Characterization. <i>Journal of Physical Chemistry B</i> , 2006, 110, 4605-4611.	1.2	189
478	Thermal modification of magnetism in cobalt-doped ZnO nanowires grown at low temperatures. <i>Physical Review B</i> , 2006, 74, .	1.1	47
479	Enhanced and stable green emission of ZnO nanoparticles by surface segregation of Mg. <i>Nanotechnology</i> , 2006, 17, 973-978.	1.3	112
480	Giant enhancement of bandgap emission of ZnO nanorods by platinum nanoparticles. <i>Nanotechnology</i> , 2006, 17, 4391-4394.	1.3	207
481	Time-Resolved Investigation of Bright Visible Wavelength Luminescence from Sulfur-Doped ZnO Nanowires and Micropowders. <i>Nano Letters</i> , 2006, 6, 1126-1130.	4.5	102
482	Array of ultraviolet luminescent ZnO nanodots fabricated by pulsed laser deposition using an anodic aluminium oxide template. <i>Nanotechnology</i> , 2006, 17, 381-384.	1.3	29
483	Violet photoluminescence from shell layer of Zn ²⁺ /ZnO core-shell nanoparticles induced by laser ablation. <i>Applied Physics Letters</i> , 2006, 88, 171910.	1.5	209
484	ZnO p-n junction light-emitting diodes fabricated on sapphire substrates. <i>Applied Physics Letters</i> , 2006, 88, 031911.	1.5	263
485	White Light Emission from the Composite System of ZnO/Porous Si. <i>Chinese Physics Letters</i> , 2006, 23, 1299-1301.	1.3	20
486	Supramolecular capping-ligand effect of lamellar silica mesostructures for the one-pot synthesis of highly dispersed ZnO nanoparticles. <i>Nanotechnology</i> , 2006, 17, 4456-4463.	1.3	8
487	ZnO nanosheet networks and hexagonal nanodiscs grown on silicon substrate: growth mechanism and structural and optical properties. <i>Nanotechnology</i> , 2006, 17, 2174-2180.	1.3	212
488	Anisotropic x-ray absorption effects in the optical luminescence yield of ZnO nanostructures. <i>Applied Physics Letters</i> , 2006, 89, 093118.	1.5	25
489	Broadband ZnO Single-Nanowire Light-Emitting Diode. <i>Nano Letters</i> , 2006, 6, 1719-1722.	4.5	531

#	ARTICLE	IF	CITATIONS
490	Enhanced field emission from ZnO nanorods via thermal annealing in oxygen. Applied Physics Letters, 2006, 88, 033102.	1.5	162
491	Low temperature synthesis and optical properties of small-diameter ZnO nanorods. Journal of Applied Physics, 2006, 99, 114302.	1.1	24
493	Origin of the near-band-edge photoluminescence emission in aqueous chemically grown ZnO nanorods. Journal of Applied Physics, 2006, 100, 104317.	1.1	45
494	Mesh-Like Hemispherical Shells Formed by Self-Assembly of Zn ₂ SiO ₄ Textured Nanowires. Crystal Growth and Design, 2006, 6, 1967-1971.	1.4	17
495	Synthesis and optical properties of well aligned ZnO nanorods on GaN by hydrothermal synthesis. Nanotechnology, 2006, 17, 483-488.	1.3	36
496	Lasing Mechanism of ZnO Nanowires/Nanobelts at Room Temperature. Journal of Physical Chemistry B, 2006, 110, 12865-12873.	1.2	120
497	Optical and electrical properties of undoped ZnO films. Journal of Applied Physics, 2006, 99, 093501.	1.1	120
498	High Surface-to-Volume Ratio ZnO Microberets: A Low Temperature Synthesis, Characterization, and Photoluminescence. Journal of Physical Chemistry B, 2006, 110, 23211-23214.	1.2	47
499	Hexagonal and Prismatic Nanowalled ZnO Microboxes. Inorganic Chemistry, 2006, 45, 3256-3260.	1.9	42
500	Flowerlike ZnO nanocones and nanowires: Preparation, structure, and luminescence. Applied Physics Letters, 2006, 88, 243101.	1.5	74
501	Selective Growth of Crystalline SnO ₂ on the Polar Surface of ZnO Nanobelts. Crystal Growth and Design, 2006, 6, 2643-2647.	1.4	29
502	Growth and Optical Properties of Faceted Hexagonal ZnO Nanotubes. Journal of Physical Chemistry B, 2006, 110, 14714-14718.	1.2	123
503	Synthesis of Variable-Aspect-Ratio, Single-Crystalline ZnO Nanostructures. Inorganic Chemistry, 2006, 45, 1208-1214.	1.9	99
504	Control of the ZnO Nanowires Nucleation Site Using Microfluidic Channels. Journal of Physical Chemistry B, 2006, 110, 3856-3859.	1.2	41
505	Conversion of ZnO Nanorod Arrays into ZnO/ZnS Nanocable and ZnS Nanotube Arrays via an in Situ Chemistry Strategy. Journal of Physical Chemistry B, 2006, 110, 25850-25855.	1.2	154
506	Nanotripods of Zinc Oxide. , 0, , .		4
507	Enhancement of band gap emission stimulated by defect loss. Optics Express, 2006, 14, 2372.	1.7	162
508	Shape- and size-controlled synthesis of nanometre ZnO from a simple solution route at room temperature. Nanotechnology, 2006, 17, 3632-3636.	1.3	132

#	ARTICLE	IF	CITATIONS
509	Gas sensitive light emission properties of tin oxide and zinc oxide nanobelts. Journal of Non-Crystalline Solids, 2006, 352, 1457-1460.	1.5	35
510	Effects of low doping concentration on interconnected microstructural ZnO:Al thin films prepared by the sol-gel technique. EPJ Applied Physics, 2006, 35, 195-200.	0.3	3
511	Fabrication and Cathode Luminescence of Partially MgO-Substituted ZnO Powders. Journal of the Ceramic Society of Japan, 2006, 114, 620-623.	1.3	2
512	<title>Optical and structural properties of ZnO films grown on Si(100) substrates by MOCVD</title>. , 2006, , .		5
513	Stoichiometry control of sputtered CuCl thin films: Influence on ultraviolet emission properties. Journal of Applied Physics, 2006, 100, 096108.	1.1	4
514	Luminescence properties of Cu-ion-implanted and annealed ZnO thin films deposited by chemical vapor deposition and pulsed laser deposition. Surface and Interface Analysis, 2006, 38, 1-5.	0.8	9
515	Free exciton luminescence of ZnO:Zn microcrystals under electron beam excitation. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 1189-1192.	0.8	2
516	Photoluminescence spectroscopy of single crystalline ZnO-nanoparticles from the gas phase. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 1014-1017.	0.8	8
517	Indent-catalytic growth of ZnO whiskers and sublimation conditions in an electric current heating process. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 2652-2655.	0.8	1
518	Annealing effects on the photoluminescence and morphology of ZnO nanowires. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 3573-3576.	0.8	7
519	Photoluminescence and FTIR study of ZnO nanoparticles: the impurity and defect perspective. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 3577-3581.	0.8	382
520	Influence of annealing temperature on the structural and optical properties of sol-gel prepared ZnO thin films. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 2418-2425.	0.8	72
521	Synthesis of bamboo-leaf-shaped ZnO nanostructures by oxidation of Zn/SiO ₂ composite films deposited with radio frequency magnetron co-sputtering. Applied Surface Science, 2006, 252, 2853-2857.	3.1	5
522	Dependences of the surface and the optical properties on the O ₂ /O ₂ +Ar flow-rate ratios for ZnO thin films grown on ZnO buffer layers. Applied Surface Science, 2006, 252, 8121-8125.	3.1	4
523	Study of ZnO-coated SnO ₂ nanostructures synthesized by a two-step process. Applied Surface Science, 2006, 253, 510-514.	3.1	17
524	ZnO thin films on Si(1 1 1) grown by pulsed laser deposition from metallic Zn target. Applied Surface Science, 2006, 253, 841-845.	3.1	21
525	Fabrication and characterization of ZnO comb-like nanostructures. Ceramics International, 2006, 32, 561-566.	2.3	36
526	The grain-boundary-related optical and electrical properties in polycrystalline p-type ZnO films. Chemical Physics Letters, 2006, 420, 448-452.	1.2	13

#	ARTICLE	IF	CITATIONS
527	Synthesis and photoluminescence of ultra-thin ZnO nanowire/nanotube arrays formed by hydrothermal growth. <i>Chemical Physics Letters</i> , 2006, 431, 352-357.	1.2	231
528	Structure and visible luminescence of ZnO nanoparticles. <i>Materials Science in Semiconductor Processing</i> , 2006, 9, 156-159.	1.9	63
529	Nanostructure formation on zinc oxide film by ion bombardment. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2006, 244, 78-80.	0.6	17
530	Optical properties of ZnO and ZnO:Ce layers grown by spray pyrolysis. <i>Optics Communications</i> , 2006, 267, 433-439.	1.0	82
531	Synthesis of ZnO nanorod and the annealing effect on its photoluminescence property. <i>Optical Materials</i> , 2006, 28, 418-422.	1.7	233
532	Band-edge photoluminescence in nanocrystalline ZnO:In films prepared by electrostatic spray deposition. <i>Applied Surface Science</i> , 2006, 252, 2770-2775.	3.1	32
533	Rapid synthesis of novel flowerlike ZnO structures by thermolysis of zinc acetate. <i>Applied Surface Science</i> , 2006, 253, 909-914.	3.1	11
534	Photoluminescence study of ZnO nano-islands. <i>Applied Surface Science</i> , 2006, 253, 2226-2229.	3.1	15
535	Structure and properties of ZnO films grown on Si substrates with low temperature buffer layers. <i>Applied Surface Science</i> , 2006, 253, 2765-2769.	3.1	17
536	Large-scale fabrication of metallic Zn nanowires by thermal evaporation. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2006, 33, 88-91.	1.3	18
537	Local homoepitaxy and optical properties of well-ordered ZnO nanowires. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2006, 33, 191-195.	1.3	11
538	From Zn microspheres to hollow ZnO microspheres: A simple route to the growth of large scale metallic Zn microspheres and hollow ZnO microspheres. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2006, 33, 331-335.	1.3	38
539	Green luminescence originates from surface defects in ZnO nanoparticles. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2006, 35, 199-202.	1.3	150
540	Spectral studies of SnO ₂ nanofibres prepared by electrospinning method. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 64, 136-140.	2.0	77
541	A selective NH ₃ gas sensor based on Fe ₂ O ₃ @ZnO nanocomposites at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2006, 114, 910-915.	4.0	155
542	Controlled production of ZnO nanoparticles from zinc glycerolate in a sol-gel silica matrix. <i>Journal of Colloid and Interface Science</i> , 2006, 302, 246-253.	5.0	32
543	Photoluminescent properties of ZnO nanoparticles in ultraviolet opal infiltrated by chemical deposition. <i>Journal of Crystal Growth</i> , 2006, 286, 300-305.	0.7	4
544	Process and characterization of macroporous periodic nanostructured zinc oxide via electrodeposition. <i>Journal of Crystal Growth</i> , 2006, 287, 180-184.	0.7	23

#	ARTICLE	IF	CITATIONS
545	Electrochemical deposition of ZnO film and its photoluminescence properties. Journal of Crystal Growth, 2006, 286, 445-450.	0.7	85
546	Photoluminescence and Raman behaviors of ZnO nanostructures with different morphologies. Journal of Crystal Growth, 2006, 289, 55-58.	0.7	85
547	Synthesis and optical properties of nanocrystalline ZnO powders by a simple method using zinc acetate dihydrate and poly(vinyl pyrrolidone). Journal of Crystal Growth, 2006, 289, 102-106.	0.7	209
548	Synthesis of well-aligned ZnO nanorod arrays with high optical property via a low-temperature solution method. Journal of Crystal Growth, 2006, 291, 334-339.	0.7	88
549	Effect of substrate temperature on the growth and photoluminescence properties of vertically aligned ZnO nanostructures. Journal of Crystal Growth, 2006, 292, 19-25.	0.7	145
550	Systematic studies of the epitaxial growth of single-crystal ZnO nanorods on GaN using hydrothermal synthesis. Journal of Crystal Growth, 2006, 293, 36-42.	0.7	72
551	Synthesis and optical properties of nanometer to micrometer wide hexagonal cones and columns of ZnO. Journal of Crystal Growth, 2006, 293, 438-446.	0.7	55
552	Synthesis of ZnO nanocrystals with novel hierarchical structures via atmosphere pressure physical vapor deposition method. Journal of Crystal Growth, 2006, 294, 184-190.	0.7	36
553	Photoluminescence spectra of nano-structured ZnO thin films. Journal of Luminescence, 2006, 119-120, 233-236.	1.5	28
554	Review of metal oxide films deposited by filtered cathodic vacuum arc technique. Materials Science and Engineering Reports, 2006, 52, 1-48.	14.8	109
555	Deep level emission of ZnO nanoparticles deposited inside UV opal. Optics Communications, 2006, 259, 378-384.	1.0	24
556	Synthesis and optical properties of ZnO nanostructures with different morphologies. Optical Materials, 2006, 29, 65-69.	1.7	107
557	Structural and optical properties of ZnO micro-spheres and cages by oxidation of metallic Zn powder. Superlattices and Microstructures, 2006, 39, 238-246.	1.4	47
558	Lattice sites of implanted Cu and Ag in ZnO. Superlattices and Microstructures, 2006, 39, 229-237.	1.4	20
559	Large-scale synthesis of ZnO microhollowspheres and their optical properties. Superlattices and Microstructures, 2006, 40, 93-99.	1.4	1
560	Electron transport in high quality undoped ZnO film grown by plasma-assisted molecular beam epitaxy. Solid State Communications, 2006, 137, 474-477.	0.9	16
561	Ordered zinc-vacancy induced Zn _{0.75} O _x nanophase structure. Solid State Communications, 2006, 138, 390-394.	0.9	12
562	Enhanced electroluminescence of ZnO nanocrystalline annealing from mesoporous precursors. Solid State Communications, 2006, 140, 18-22.	0.9	24

#	ARTICLE	IF	CITATIONS
563	Filtered vacuum arc deposition of undoped and doped ZnO thin films: Electrical, optical, and structural properties. <i>Surface and Coatings Technology</i> , 2006, 201, 3993-3999.	2.2	44
564	A simple route for growing thin films of uniform ZnO nanorod arrays on functionalized Si surfaces. <i>Thin Solid Films</i> , 2006, 503, 110-114.	0.8	70
565	Refractive indices of textured indium tin oxide and zinc oxide thin films. <i>Thin Solid Films</i> , 2006, 510, 95-101.	0.8	74
566	Optical properties of (Mn, Co) co-doped ZnO films prepared by dual-radio frequency magnetron sputtering. <i>Thin Solid Films</i> , 2006, 515, 2361-2365.	0.8	28
567	Electrical conductivity mechanisms in zinc oxide thin films deposited by pulsed laser deposition using different growth environments. <i>Thin Solid Films</i> , 2006, 515, 2379-2386.	0.8	40
568	Comparison of structural and photoluminescence properties of ZnO thin films grown by pulsed laser deposition and ultrasonic spray pyrolysis. <i>Thin Solid Films</i> , 2006, 515, 1763-1766.	0.8	13
569	Synthesis and characterization of ZnO nanowires and their integration into dye-sensitized solar cells. <i>Nanotechnology</i> , 2006, 17, S304-S312.	1.3	408
570	Ultraviolet photoluminescence and Raman properties of MgZnO nanopowders. <i>Applied Physics Letters</i> , 2006, 88, 023103.	1.5	48
571	Zinc oxalate nanorods: a convenient precursor to uniform nanoparticles of ZnO. <i>Nanotechnology</i> , 2006, 17, 1236-1240.	1.3	82
572	Self-assembly of ZnO nanoplates into microspheres. <i>Journal of Materials Science</i> , 2006, 41, 5784-5787.	1.7	11
573	Morphology, structures and properties of ZnO nanobelts fabricated by Zn-powder evaporation without catalyst at lower temperature. <i>Journal of Materials Science</i> , 2006, 41, 3057-3062.	1.7	68
574	A general combustion approach to multipod ZnO and its characterization. <i>Journal of Materials Science</i> , 2006, 41, 2243-2248.	1.7	18
575	Fluorescence and infrared spectroscopy of electrochemically self assembled ZnO nanowires: evidence of the quantum confined Stark effect. <i>Journal of Materials Science: Materials in Electronics</i> , 2006, 17, 651-655.	1.1	31
576	Growth and Characterization of [001] ZnO Nanorod Array on ITO Substrate with Electric Field Assisted Nucleation. <i>Journal of Sol-Gel Science and Technology</i> , 2006, 38, 79-84.	1.1	28
577	Effects of annealing and dopant concentration on the optical characteristics of ZnO:Al thin films by sol-gel technique. <i>Physica B: Condensed Matter</i> , 2006, 382, 201-204.	1.3	62
578	Optical and structural analysis of bulk ZnO samples undoped and rare earth doped by ion implantation. <i>Superlattices and Microstructures</i> , 2006, 39, 202-210.	1.4	25
579	Sea-urchin-like ZnO nanostructures on Si by oxidation of Zn metal powders: Structural and optical properties. <i>Superlattices and Microstructures</i> , 2006, 39, 145-152.	1.4	16
580	Synthesis of ZnO hexagonal tubes by a microwave heating method. <i>Superlattices and Microstructures</i> , 2006, 39, 314-318.	1.4	13

#	ARTICLE	IF	CITATIONS
581	Quasi One-dimensional ZnO Nanostructures Fabricated without Catalyst at Lower Temperature. <i>Frontiers of Physics in China</i> , 2006, 1, 72-84.	1.0	9
582	Thermal conductivity of bulk ZnO after different thermal treatments. <i>Journal of Electronic Materials</i> , 2006, 35, 550-555.	1.0	55
583	Evolution of ZnO nanostructures on silicon substrate by vapor-solid mechanism: Structural and optical properties. <i>Journal of Electronic Materials</i> , 2006, 35, 758-765.	1.0	16
584	Selective growth and directed integration of ZnO nanobridge devices on si substrates without a metal catalyst using a ZnO seed layer. <i>Journal of Electronic Materials</i> , 2006, 35, 795-802.	1.0	11
586	Fabrication, structures and properties of quasi one-dimensional ZnO toothed-nanostructures. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2006, 21, 1-4.	0.4	1
587	Synthesis of ZnO nanowires on steel alloy substrate by thermal evaporation: Growth mechanism and structural and optical properties. <i>Korean Journal of Chemical Engineering</i> , 2006, 23, 860-865.	1.2	16
588	Synthesis of ZnO nanowires on Si substrate by thermal evaporation method without catalyst: Structural and optical properties. <i>Korean Journal of Chemical Engineering</i> , 2006, 23, 499-504.	1.2	45
589	Seed-mediated fabrication of ZnO nanorods with controllable morphology and photoluminescence properties. <i>Scripta Materialia</i> , 2006, 54, 411-415.	2.6	21
590	Synthesis and enhancement of ultraviolet emission by post-thermal treatment of unique zinc oxide comb-shaped dendritic nanostructures. <i>Scripta Materialia</i> , 2006, 54, 807-811.	2.6	45
591	Catalyst-free synthesis, growth mechanism and optical properties of multipod ZnO with nanonail-like legs. <i>Scripta Materialia</i> , 2006, 54, 2057-2061.	2.6	31
592	Preparation and photoluminescence of ZnO nanorods. <i>Materials Chemistry and Physics</i> , 2006, 97, 390-393.	2.0	17
593	Synthesis and optical properties of nano-ZnO particles/mesostructured SnO ₂ composite. <i>Materials Chemistry and Physics</i> , 2006, 98, 121-124.	2.0	13
594	Synthesis of ordered ZnO nanorods film on zinc-coated Si substrate and their photoluminescence property. <i>Materials Chemistry and Physics</i> , 2006, 99, 50-53.	2.0	21
595	Physical and electronic properties of ZnO:Al/porous silicon. <i>Materials Research Bulletin</i> , 2006, 41, 253-259.	2.7	24
596	Preparation of Cu@Zn/ZnO core-shell nanocomposite by surface modification and precipitation process in aqueous solution and its photoluminescence properties. <i>Materials Research Bulletin</i> , 2006, 41, 2154-2160.	2.7	22
597	Preparations of nano-particles, nano-composites and fibers of ZnO from an amide precursor: Photocatalytic decomposition of (CH ₃) ₂ S ₂ in a continuous flow reactor. <i>Materials Research Bulletin</i> , 2006, 41, 2210-2218.	2.7	12
598	A novel chemical route to prepare ZnO nanoparticles. <i>Materials Letters</i> , 2006, 60, 1828-1832.	1.3	151
599	PEG-assisted synthesis of ZnO nanotubes. <i>Materials Letters</i> , 2006, 60, 1918-1921.	1.3	126

#	ARTICLE	IF	CITATIONS
600	Self-assembled ZnO 3D flowerlike nanostructures. <i>Materials Letters</i> , 2006, 60, 2530-2533.	1.3	62
601	In-doped zinc oxide dodecagonal nanometer thick disks. <i>Materials Letters</i> , 2006, 60, 2623-2626.	1.3	20
602	Controllable synthesis of undoped/Cd-doped ZnO nanostructures. <i>Materials Letters</i> , 2006, 60, 3122-3125.	1.3	25
603	Highly Luminescent ZnO Nanocrystals Stabilized by Ionic-Liquid Components. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7370-7373.	7.2	153
604	Fabrication of Self-Assembled PEDOT/PSS-ZnO Nanocables with Diverse Inner Core Sizes Facilitated by Vacuum Conditions. <i>Macromolecular Rapid Communications</i> , 2006, 27, 356-360.	2.0	3
606	Water-Assisted Growth of Aligned Carbon Nanotube/ZnO Heterojunction Arrays. <i>Advanced Materials</i> , 2006, 18, 1740-1744.	11.1	135
607	Luminescence of selective area growth of epitaxial ZnO nanowires and random-growth-oriented nanobelts. <i>Nanotechnology</i> , 2006, 17, 1404-1407.	1.3	20
608	ZnO Nanorods Produced by the Method of Arc Discharge. <i>Chinese Physics Letters</i> , 2006, 23, 2165-2168.	1.3	11
609	Superimposed Emissions on Enhanced Green Emission from ZnO:Pr Powders by Evacuated Sealed Silica Tube Method. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 4128-4130.	0.8	7
610	Study of Optical Properties of Zinc Oxide Thin Film Implanted with Nitrogen by Combinatorial Ion Implantation Techniques. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 7053-7055.	0.8	3
611	Synthesis of Single Crystalline In ₂ O ₃ Nanowires and Their Photoluminescence Characteristics. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 4988-4990.	0.8	2
612	Zinc oxide microtubes prepared by optical thermal evaporation. <i>Journal Physics D: Applied Physics</i> , 2006, 39, 46-49.	1.3	20
613	Phase-segregation assisted growth of quasi-aligned ZnO nanorods on a Mg _{0.6} Zn _{0.4} O-coated Si substrate by thermal evaporation. <i>Nanotechnology</i> , 2006, 17, 5367-5372.	1.3	16
614	Electrical transport and electroluminescence properties of n-ZnO single nanowires. <i>Nanotechnology</i> , 2006, 17, 4868-4872.	1.3	39
615	Growth and characterization of a high-purity ZnO nanoneedles film prepared by microwave plasma deposition. <i>Journal of Vacuum Science & Technology B</i> , 2006, 24, 1318.	1.3	8
616	Growth and optical properties of peculiar ZnO tetrapods. <i>Journal Physics D: Applied Physics</i> , 2006, 39, 2105-2108.	1.3	17
617	Cathodoluminescence Study of Hydrothermal Zn _{1-x} Mg _x O Alloy Crystals. <i>Materials Research Society Symposia Proceedings</i> , 2006, 957, 1.	0.1	0
618	Effect of Atmosphere on Zinc Oxide Crystal Growth by Electric Current Heating with Au Catalyst. <i>Advanced Materials Research</i> , 2006, 11-12, 269-272.	0.3	1

#	ARTICLE	IF	CITATIONS
619	Controllable Synthesis of ZnO Nanonails by Vapor-Solid Process: Growth Mechanism and Structural and Optical Properties. Materials Research Society Symposia Proceedings, 2006, 957, 1.	0.1	0
620	Precursor induced synthesis of hierarchical nanostructured ZnO. Nanotechnology, 2006, 17, 3607-3612.	1.3	38
621	Scanning Tunneling Microscopy Studies of Porous and Oxidized Zn. Key Engineering Materials, 2006, 326-328, 373-376.	0.4	0
622	Optical and field emission properties of ZnO nanorod arrays synthesized on zinc foils by the solvothermal route. Nanotechnology, 2006, 17, 1533-1540.	1.3	92
623	Nano-scale distribution of ZnO free exciton luminescence in ZnO:Zn microcrystals and its modification under electron beam excitation. Journal of Physics Condensed Matter, 2006, 18, 1967-1975.	0.7	19
624	Aligned ZnO nanorods synthesized by a simple hydrothermal reaction. Journal Physics D: Applied Physics, 2006, 39, 1690-1693.	1.3	55
625	Visible Luminescence from ZnO Nanostructures. Materials Research Society Symposia Proceedings, 2006, 957, 1.	0.1	0
626	ZnO Nanofibers Doped with Ga, In and Er Fabricated with Electrospinning Technique. Materials Research Society Symposia Proceedings, 2006, 957, 1.	0.1	0
627	Study of the optical properties of ZnO thin films prepared by laser molecular beam epitaxy. , 2006, 6149, 398.		0
628	Enhancement of green photoluminescence from ZnO:Pr powders. Journal of Materials Research, 2006, 21, 1476-1483.	1.2	14
629	Highly Porous Electrodeposited Zinc Oxide Films Functionalized for Red/Green Luminescence. Electrochemical and Solid-State Letters, 2006, 9, H16-H18.	2.2	21
630	ZnO nanocrystals synthesized by evaporation of Zn in microwave plasma torch in terms of mixture ratio of N ₂ to O ₂ . Physics of Plasmas, 2006, 13, 063506.	0.7	16
631	Optical characteristics and microstructure of ZnO quantum dots-SiO ₂ nanocomposite films prepared by sputtering methods. Applied Physics Letters, 2006, 89, 211909.	1.5	35
632	Single-crystalline AlZnO nanowires/nanotubes synthesized at low temperature. Applied Physics Letters, 2006, 88, 023111.	1.5	80
633	Vibrational and defect states in SnO _x nanoparticles. Journal of Applied Physics, 2006, 99, 113108.	1.1	26
634	Effect of phosphorus dopant on photoluminescence and field-emission characteristics of Mg _{0.1} Zn _{0.9} O nanowires. Journal of Applied Physics, 2006, 99, 024303.	1.1	38
635	Intrinsic current-voltage properties of nanowires with four-probe scanning tunneling microscopy: A conductance transition of ZnO nanowire. Applied Physics Letters, 2006, 89, 043103.	1.5	72
636	Property modulation of zinc oxide hierarchical architectures in photoluminescence and Raman scattering. Applied Physics Letters, 2006, 89, 113110.	1.5	15

#	ARTICLE	IF	CITATIONS
637	Temperature and pressure dependences of the copper-related green emission in ZnO microrods. Journal of Applied Physics, 2006, 100, 013107.	1.1	15
638	Growth of ZnO nanotetrapods with hexagonal crown. Applied Physics Letters, 2006, 88, 193113.	1.5	69
639	Pressure response of the ultraviolet photoluminescence of ZnO and MgZnO nanocrystallites. Applied Physics Letters, 2006, 89, 171909.	1.5	28
640	Effects of Low-Pressure O ₂ and Zn Atmosphere on the Green Emission of ZnO Phosphor. Journal of the Electrochemical Society, 2006, 153, G1035.	1.3	8
641	The Effect of Ar ₂ O ₃ Sputtering Gas on the Phosphorus-Doped p-Type ZnO Thin Films. Journal of the Electrochemical Society, 2006, 153, G242.	1.3	17
642	Fabrication of ZnO microtubes with adjustable nanopores on the walls by the templating of butterfly wing scales. Nanotechnology, 2006, 17, 840-844.	1.3	93
643	MORPHOLOGY CONTROLLING AND OPTICAL CHARACTERIZATION OF ZnO NANOMATERIALS. International Journal of Modern Physics B, 2006, 20, 3635-3639.	1.0	0
644	Highly (002)-oriented ZnO film grown by ultrasonic spray pyrolysis on ZnO-seeded Si (100) substrate. Journal of Materials Research, 2006, 21, 2185-2190.	1.2	38
645	Origin of ferromagnetism in nitrogen embedded ZnO _x N thin films. Journal Physics D: Applied Physics, 2007, 40, 6497-6500.	1.3	94
646	Structural, morphological, and optical properties of double-ended needle-like ultra-long ZnO micro/nanorods. Journal of Physics Condensed Matter, 2007, 19, 096209.	0.7	13
647	Doping and Characterisation of Nanocrystalline Materials. Solid State Phenomena, 2007, 128, 61-72.	0.3	0
648	Synthesis and optical properties of heterostructured ZnO:S/ZnO nanosaws. Journal Physics D: Applied Physics, 2007, 40, 7662-7668.	1.3	12
649	Preparation and Photoluminescence of ZnO Comb-Like Structure and Nanorod Arrays. Chinese Journal of Chemical Physics, 2007, 20, 308-314.	0.6	3
650	Luminescence Property and Synthesis of Sulfur-doped ZnO Nanowires by Electrochemical Deposition. Chinese Journal of Chemical Physics, 2007, 20, 632-636.	0.6	7
651	Luminescence with Local Distribution and Its Possible Mechanism in Zinc Oxide Micro-Crystallites. Chinese Physics Letters, 2007, 24, 2398-2400.	1.3	1
652	Photoelastic effect in ZnO nanorods. Nanotechnology, 2007, 18, 225705.	1.3	18
653	Single crystal ZnO nanowires as optical and conductometric chemical sensor. Journal Physics D: Applied Physics, 2007, 40, 7255-7259.	1.3	82
654	Synthesis and band gap of ZnO particles with hexagonal bilayer structure. Applied Physics Letters, 2007, 90, 113117.	1.5	19

#	ARTICLE	IF	CITATIONS
655	Origin of green luminescence of ZnO powders reacted with carbon black. Journal of Applied Physics, 2007, 101, 124902.	1.1	35
656	A comparison of zinc oxide thin-film transistors on silicon oxide and silicon nitride gate dielectrics. Journal of Applied Physics, 2007, 102, 074512.	1.1	63
657	Influence of temperature and photoexcitation density on the quantum efficiency of defect emission in ZnO powders. Applied Physics Letters, 2007, 91, 011902.	1.5	20
658	Formation of single crystalline ZnO nanotubes without catalysts and templates. Applied Physics Letters, 2007, 90, 113108.	1.5	89
659	Low-voltage electroluminescence of europium in zinc oxide thin films. Applied Physics Letters, 2007, 90, 023503.	1.5	33
660	ZnO-based light-emitting metal-insulator-semiconductor diodes. Applied Physics Letters, 2007, 91, .	1.5	50
661	Synthesis and Characterization of ZnO Colloidal Nanocrystals. , 2007, , .		0
662	Photoluminescence and electroluminescence properties of ZnO films on p-type silicon wafers. Chinese Physics B, 2007, 16, 1790-1795.	1.3	14
663	Effects of annealing on the photoluminescence of terbium-doped zinc oxide nanocrystalline. , 2007, , .		0
664	Optical processes in the formation of stimulated emission from ZnO nanowires. Chinese Physics B, 2007, 16, 1129-1134.	1.3	11
665	Visible Luminescence Related to Defects in ZnO. Materials Research Society Symposia Proceedings, 2007, 1035, 1.	0.1	1
666	The Luminescence Properties of ZnO:Al Nanopowders Obtained by Sol-gel, Plasma and Vaporization-Condensation Methods. Solid State Phenomena, 2007, 128, 135-140.	0.3	18
667	Colloidal Synthesis and Characterization of Optically Active ZnO/ZnS Core/Shell Nanocrystals. Materials Research Society Symposia Proceedings, 2007, 1035, 1.	0.1	0
668	Fabrication and Characterization of In-Doped Zinc Oxide Nanodisks. Solid State Phenomena, 2007, 121-123, 127-130.	0.3	0
669	Effects of buffer layer thickness on growth and properties of ZnO nanorods grown by metalorganic chemical vapour deposition. Nanotechnology, 2007, 18, 015603.	1.3	36
670	Zinc Oxide Nanorod Arrays: Properties and Hydrothermal Synthesis. , 2007, , 92-117.		3
671	Controllable growth of ZnO nanoarrays in aqueous solution and their optical properties. Nanotechnology, 2007, 18, 145605.	1.3	27
672	Low Temperature Growth and Application of Zinc Oxide Nanowires using Zinc Oxide Seeds. Materials Research Society Symposia Proceedings, 2007, 1018, 1.	0.1	0

#	ARTICLE	IF	CITATIONS
673	Blue Luminescence of MgZnO and CdZnO Films Deposited at Low Temperatures. Journal of the Electrochemical Society, 2007, 154, J283.	1.3	13
674	Temperature-Controlled Catalytic Growth and Photoluminescence Properties of ZnO Nanostructures. Advanced Materials Research, 2008, 31, 68-70.	0.3	1
675	In ₂ S ₃ Micropillars and Their Conversion to In ₂ O ₃ Nanobipyramids: A Simple Synthesis Approaches and Characterization. Crystal Growth and Design, 2007, 7, 163-169.	1.4	64
676	Novel photoluminescence of SrZrO ₃ nanocrystals synthesized through a facile combustion method. Journal of Alloys and Compounds, 2007, 433, L7-L11.	2.8	66
677	Correlating Luminescence from Individual ZnO Nanostructures with Electronic Transport Characteristics. Nano Letters, 2007, 7, 3681-3685.	4.5	37
678	Structural, electrical and optical properties of yttrium-doped ZnO thin films prepared by sol-gel method. Journal Physics D: Applied Physics, 2007, 40, 5592-5597.	1.3	65
680	Optical properties of ZnO nanocrystals embedded in BaF ₂ film fabricated by magnetron sputtering. Journal Physics D: Applied Physics, 2007, 40, 5598-5601.	1.3	5
681	Water-stable blue-emitting ZnO@polymer core-shell microspheres. Journal of Materials Chemistry, 2007, 17, 2490-2496.	6.7	69
682	Aggregation of ZnO Nanorods into Films by Oriented Attachment. Journal of Physical Chemistry C, 2007, 111, 4519-4523.	1.5	23
683	Radio-frequency magnetron sputtering and wet thermal oxidation of ZnO thin film. Journal of Applied Physics, 2007, 102, .	1.1	15
684	Optical properties of ZnO:Ce prepared by solid-state sintering method. , 2007, , .		0
685	ZnO Doughnuts: Controlled Synthesis, Growth Mechanism, and Optical Properties. Crystal Growth and Design, 2007, 7, 136-141.	1.4	114
686	Luminescence of Nanostructured Eu ³⁺ /ZnO Mixed Films Prepared by Electrodeposition. Journal of Physical Chemistry C, 2007, 111, 15427-15432.	1.5	51
687	Synthesis and characterization of ZnO nanorods and nanoflowers grown on GaN-based LED epiwafer using a solution deposition method. Journal Physics D: Applied Physics, 2007, 40, 3654-3659.	1.3	78
688	PHOTOLUMINESCENCE EMITTING PROPERTIES OF SINGLE ZnO NANOWIRE STUDIED BY SCANNING NEAR-FIELD OPTICAL MICROSCOPE. Modern Physics Letters B, 2007, 21, 543-549.	1.0	5
689	One-step growth of ZnO/ZnS core-shell nanowires by thermal evaporation. Smart Materials and Structures, 2007, 16, 89-92.	1.8	18
690	Zinc Oxide Nanostructures and Their Core-Shell Luminescence Properties. Journal of Physical Chemistry C, 2007, 111, 9081-9085.	1.5	20
691	ZnO Films Grown on Si Substrates with Au Nanocrystallites as Nuclei. Crystal Growth and Design, 2007, 7, 564-568.	1.4	7

#	ARTICLE	IF	CITATIONS
692	Electrical and optical properties of ZnO (0001 $\hat{\text{A}}$) wafers implanted with argon. Journal of Applied Physics, 2007, 101, 024902.	1.1	5
693	Mild solution-based fabrication of high-quality device-dependent ZnO nanoarrays and ZnS nanotube arrays. Physica Scripta, 2007, T129, 288-292.	1.2	10
694	Size Controlled ZnO Nanoparticles Prepared by Water-in-Oil Microemulsion. Materials Science Forum, 0, 561-565, 1255-1258.	0.3	0
695	Luminescence of Native Defects in Zn[sub 2]GeO[sub 4]. Journal of the Electrochemical Society, 2007, 154, H500.	1.3	151
696	Self-assembly and optical properties of patterned ZnO nanodot arrays. Nanotechnology, 2007, 18, 415302.	1.3	3
697	Synthesis of Tower-like ZnO Structures and Visible Photoluminescence Origins of Varied-Shaped ZnO Nanostructures. Journal of Physical Chemistry C, 2007, 111, 7655-7660.	1.5	62
698	Template-Free Fabrication of Hexagonal ZnO Microprism with an Interior Space. Inorganic Chemistry, 2007, 46, 8019-8023.	1.9	23
699	The Relationship of Oxygen Binding and Peroxide Sites and the Fluorescent Properties of Zinc Oxide Semiconductor Nanocrystals. Journal of the American Chemical Society, 2007, 129, 12380-12381.	6.6	71
700	Hollow Microspherical Architectures of Closely Packed and Radially Well-Aligned Zn ₂ SiO ₄ Nanowires with and without ZnO Nanocrust. Journal of Physical Chemistry C, 2007, 111, 1924-1928.	1.5	11
701	ZnO $\hat{\text{A}}$ Latex Hybrids Obtained by Polymer-Controlled Crystallization: $\hat{\text{A}}$ A Spectroscopic Investigation. Journal of Physical Chemistry B, 2007, 111, 697-707.	1.2	48
702	Temperature-Dependent Emission Shifts of Peanutlike ZnO Microrods Synthesized by a Hydrothermal Method. Crystal Growth and Design, 2007, 7, 1686-1689.	1.4	23
703	Vertically Aligned Single-Crystal ZnO Nanotubes Grown on $\hat{\text{A}}$ LiAlO ₂ (100) Substrate by Metalorganic Chemical Vapor Deposition. Japanese Journal of Applied Physics, 2007, 46, L730-L732.	0.8	18
704	Structure and Photoluminescence Properties of Aligned ZnO Nanobolt Arrays. Crystal Growth and Design, 2007, 7, 2294-2296.	1.4	15
705	Electrochemical Self-Assembly of ZnO Nanoporous Structures. Journal of Physical Chemistry C, 2007, 111, 1919-1923.	1.5	68
706	Insight into the Structures and Properties of Morphology-Controlled Legs of Tetrapod-Like ZnO Nanostructures. Journal of Physical Chemistry C, 2007, 111, 12939-12943.	1.5	56
707	Growth of Dumbbell-like ZnO Microcrystals under Mild Conditions and their Photoluminescence Properties. Inorganic Chemistry, 2007, 46, 6204-6210.	1.9	61
708	Structural and optical properties of single crystal Zn _{1$\hat{\text{A}}$x} MgxO nanorods $\hat{\text{A}}$ Experimental and theoretical studies. Journal of Applied Physics, 2007, 101, 033502.	1.1	39
709	Fabrication and optical properties of two-dimensional ZnO hollow half-shell arrays. Applied Physics Letters, 2007, 91, .	1.5	25

#	ARTICLE	IF	CITATIONS
710	Highly Transparent ZnO/Polyvinyl Alcohol Hybrid Films with Controlled Crystallographic Orientation Growth. <i>Crystal Growth and Design</i> , 2007, 7, 2310-2315.	1.4	32
711	Synthesis, Structure and Properties of Sn-doped ZnO Nanobelts. <i>Acta Physico-chimica Sinica</i> , 2007, 23, 55-58.	0.6	23
712	Preparation and characteristics of ZnO films on freestanding diamond substrates. <i>Diamond and Related Materials</i> , 2007, 16, 1597-1601.	1.8	11
713	Low-temperature synthesis of novel ZnO nanowire microspheres on silicon substrates. <i>Rare Metals</i> , 2007, 26, 242-246.	3.6	6
714	ZnO Nanostructured Microspheres and Elongated Structures Grown by Thermal Treatment of ZnS Powder. <i>Crystal Growth and Design</i> , 2007, 7, 836-839.	1.4	27
715	APPLIED PHYSICS: Oxide Electronics Emerge. <i>Science</i> , 2007, 315, 1377-1378.	6.0	124
716	Surface modifications of ZnO quantum dots for bio-imaging. <i>Nanotechnology</i> , 2007, 18, 215604.	1.3	126
717	Optical and electrical properties of ZnO nanowires grown on aluminium foil by non-catalytic thermal evaporation. <i>Nanotechnology</i> , 2007, 18, 175606.	1.3	82
718	Growth and optical properties of large-quantity single-crystalline ZnO rods by thermal evaporation. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 3478-3484.	1.3	21
719	Integration of ZnO Nanotubes with Well-Ordered Nanorods through Two-Step Thermal Evaporation Approach. <i>Journal of Physical Chemistry C</i> , 2007, 111, 9116-9121.	1.5	40
720	Characterization of defects in ZnO nanocrystals: Photoluminescence and positron annihilation spectroscopic studies. <i>Journal of Applied Physics</i> , 2007, 102, 103514.	1.1	46
721	Morphology and luminescence properties of zinc oxide nanopowders doped with aluminum ions obtained by hydrothermal and vapor condensation methods. <i>Journal of Applied Physics</i> , 2007, 102, 073513.	1.1	30
722	Optical characterization of hierarchical ZnO structures grown with a simplified vapour transport method. <i>Nanotechnology</i> , 2007, 18, 215705.	1.3	19
723	Electrical conduction and photoluminescence properties of solution-grown ZnO nanowires. <i>Journal of Applied Physics</i> , 2007, 102, 014305.	1.1	21
724	Electrical and electroluminescence properties of As-doped p-type ZnO nanorod arrays. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 3798-3802.	1.3	62
725	Influence of ZnO seed crystals and annealing on the optical quality of low-temperature grown ZnO nanorods. <i>Journal of Applied Physics</i> , 2007, 102, .	1.1	37
726	Growth of aligned ZnO nanorods and nanopencils on ZnO/Si in aqueous solution: growth mechanism and structural and optical properties. <i>Nanotechnology</i> , 2007, 18, 115603.	1.3	238
727	Size dependent fluorescence spectroscopy of nanocolloids of ZnO. <i>Journal of Applied Physics</i> , 2007, 102, .	1.1	163

#	ARTICLE	IF	CITATIONS
728	Synthesis and Characterization of Water-Soluble and Bifunctional ZnO@Au Nanocomposites. Journal of Physical Chemistry C, 2007, 111, 3836-3841.	1.5	209
729	Template-Free Synthesis of Zinc Oxide Hollow Microspheres in Aqueous Solution at Low Temperature. Journal of Physical Chemistry C, 2007, 111, 18629-18635.	1.5	53
730	Correlations among size, defects, and photoluminescence in ZnO nanoparticles. Journal of Applied Physics, 2007, 101, 024317.	1.1	165
731	Controlled selective growth of ZnO nanorod arrays and their field emission properties. Nanotechnology, 2007, 18, 485307.	1.3	104
732	Preparation and Characterization of Bifunctional ZnO/ZnS Nanoribbons Decorated by β -Fe ₂ O ₃ Clusters. Journal of Physical Chemistry C, 2007, 111, 18958-18964.	1.5	27
733	Effect of surface defects on the visible emission from ZnO nanoparticles. Journal of Materials Research, 2007, 22, 2404-2409.	1.2	53
734	Controlling the Growth and Luminescence Properties of Well-Faceted ZnO Nanorods. Journal of Physical Chemistry C, 2007, 111, 8489-8495.	1.5	186
735	Chemical Synthesis of ZnO Nanocrystals. IEEE Nanotechnology Magazine, 2007, 6, 497-503.	1.1	17
736	Optical and electronic properties of ZnO:P/n+-Si heterostructures fabricated by metalorganic chemical vapour deposition. Semiconductor Science and Technology, 2007, 22, 455-455.	1.0	1
737	Bio-inspired syntheses of ZnO-protein composites. International Journal of Materials Research, 2007, 98, 879-883.	0.1	5
738	Zinc Oxide Thin Films with Reduced Native Compensative Defects Grown by Ultrasonic Spray Pyrolysis at Atmosphere. Key Engineering Materials, 2007, 336-338, 589-592.	0.4	0
739	Shape-Controlled Synthesis of Zinc Oxide: A Simple Method for the Preparation of Metal Oxide Nanocrystals in Non-aqueous Medium. Chemistry - A European Journal, 2007, 13, 632-638.	1.7	107
740	Controlled Fabrication of Highly Oriented ZnO Microrod/Microtube Arrays on a Zinc Substrate and Their Photoluminescence Properties. Chemistry - A European Journal, 2007, 13, 6667-6673.	1.7	33
741	Tailoring the Optical Properties of Epitaxially Grown Biaxial ZnO/Ge, and Coaxial ZnO/Ge/ZnO and Ge/ZnO/Ge Heterostructures. Advanced Functional Materials, 2007, 17, 270-276.	7.8	54
742	Site-Selective Deposition of Nanostructured ZnO Thin Films from Solutions Containing Polyvinylpyrrolidone. Advanced Functional Materials, 2007, 17, 2151-2159.	7.8	27
743	ZnO Nanotetrapods: Controlled Vapor-Phase Synthesis and Application for Humidity Sensing. Advanced Functional Materials, 2007, 17, 1345-1352.	7.8	223
744	La(OH) ₃ and La ₂ O ₃ Nanobelts—Synthesis and Physical Properties. Advanced Materials, 2007, 19, 470-474.	11.1	277
745	RuO ₂ Nanowires and RuO ₂ /TiO ₂ Core/Shell Nanowires: From Synthesis to Mechanical, Optical, Electrical, and Photoconductive Properties. Advanced Materials, 2007, 19, 143-149.	11.1	139

#	ARTICLE	IF	CITATIONS
746	Anchoring ZnO Particles on Functionalized Single Wall Carbon Nanotubes. Excited State Interactions and Charge Collection. <i>Advanced Materials</i> , 2007, 19, 2935-2940.	11.1	187
747	Cathodoluminescence study of extended defects in hydrothermal ZnO crystals. <i>Superlattices and Microstructures</i> , 2007, 42, 306-313.	1.4	4
748	Yellowish-white photoluminescence from ZnO nanoparticles doped with Al and Li. <i>Superlattices and Microstructures</i> , 2007, 42, 438-443.	1.4	23
749	Structure, microstructure and photoluminescence properties of Fe doped SnO ₂ thin films. <i>Solid State Communications</i> , 2007, 141, 214-218.	0.9	92
750	Field emission and photoluminescence characteristics of ZnS nanowires via vapor phase growth. <i>Solid State Communications</i> , 2007, 142, 295-298.	0.9	58
751	Growth of zinc oxide films and nanowires by atmospheric-pressure chemical vapor deposition using zinc powder and water as source materials. <i>Surface and Coatings Technology</i> , 2007, 201, 8924-8930.	2.2	40
752	Effects of annealing temperature on the structure and photoluminescence properties of ZnO films. <i>Vacuum</i> , 2007, 81, 899-903.	1.6	53
753	Growth and photoluminescence of ZnO thin films on Si(111) by PLD in oxygen adequate ambient. <i>Vacuum</i> , 2007, 81, 1035-1039.	1.6	8
754	Photoluminescence and field-emission characteristics of ZnO nanowires synthesized by two-step method. <i>Vacuum</i> , 2007, 82, 30-34.	1.6	13
755	Self-compensation in ZnO thin films: An insight from X-ray photoelectron spectroscopy, Raman spectroscopy and time-of-flight secondary ion mass spectroscopy analyses. <i>Thin Solid Films</i> , 2007, 515, 2879-2884.	0.8	75
756	Growth of MgO thin films with subsequent fabrication of ZnO rods: Structural and photoluminescence properties. <i>Thin Solid Films</i> , 2007, 515, 6433-6437.	0.8	8
757	Novel ZnO nanostructures grown on carbon nanotubes by thermal evaporation. <i>Thin Solid Films</i> , 2007, 515, 8524-8528.	0.8	86
758	Optical properties of ZnO films grown by atmospheric-pressure chemical vapor deposition using Zn and H ₂ O as source materials. <i>Thin Solid Films</i> , 2007, 516, 159-164.	0.8	13
759	Nucleation control for ZnO nanorods grown by catalyst-driven molecular beam epitaxy. <i>Applied Surface Science</i> , 2007, 253, 4620-4625.	3.1	44
760	Properties of ZnO thin films grown on Si substrates in vacuum and oxygen ambient by pulsed laser deposition. <i>Applied Surface Science</i> , 2007, 253, 6255-6258.	3.1	14
761	Epitaxially grown ZnO thin films on 6H-SiC(0001) substrates prepared by spin coating-pyrolysis. <i>Applied Surface Science</i> , 2007, 253, 7016-7018.	3.1	9
762	Hydrothermal growth of ZnO on annealed electrodeposited titanate film: Influence of zinc nitrate and methenamine. <i>Applied Surface Science</i> , 2007, 253, 7197-7202.	3.1	13
763	Fabrication of ZnO and its enhancement of charge injection and transport in hybrid organic/inorganic light emitting devices. <i>Applied Surface Science</i> , 2007, 253, 7506-7509.	3.1	28

#	ARTICLE	IF	CITATIONS
764	Field electron emission improvement of ZnO nanorod arrays after Ar plasma treatment. <i>Applied Surface Science</i> , 2007, 253, 8478-8482.	3.1	21
765	Synthesis and photoluminescence of tetrapod ZnO nanostructures. <i>Chemical Physics Letters</i> , 2007, 434, 301-305.	1.2	64
766	EPR study on paramagnetic species in nitrogen-doped ZnO powders prepared by a mechanochemical method. <i>Chemical Physics Letters</i> , 2007, 436, 373-377.	1.2	56
767	Ultraviolet-emitting javelin-like ZnO nanorods by thermal evaporation: Growth mechanism, structural and optical properties. <i>Chemical Physics Letters</i> , 2007, 440, 110-115.	1.2	46
768	Shape controlled synthesis and luminescence properties of ZnO: Eu ³⁺ nanostructures. <i>Chemical Physics Letters</i> , 2007, 440, 121-124.	1.2	54
769	The O ₂ -dependent growth of ZnO nanowires and their photoluminescence properties. <i>Ceramics International</i> , 2007, 33, 1119-1123.	2.3	11
770	Luminescence property and large-scale production of ZnO nanowires by current heating deposition. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2007, 137, 59-62.	1.7	10
771	Preparation of zinc oxide (ZnO) powders with different types of morphology by a combustion synthesis method. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2007, 140, 31-37.	1.7	58
772	Photoluminescence and electrical properties of N-implanted ZnO films. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007, 254, 83-86.	0.6	11
773	Luminescence of ZnO nanocrystals capped with an organic dye. <i>Optics Communications</i> , 2007, 276, 127-130.	1.0	4
774	Synthesis and optical properties of nanocrystalline V-doped ZnO powders. <i>Optical Materials</i> , 2007, 29, 1700-1705.	1.7	71
775	Principal issues in producing new ultraviolet light emitters based on transparent semiconductor zinc oxide. <i>Optical Materials</i> , 2007, 30, 292-310.	1.7	39
776	Photoluminescence of hydrothermally epitaxied ZnO films. <i>Electrochimica Acta</i> , 2007, 52, 2933-2937.	2.6	34
777	Effect of Mn doping on the optical and structural properties of ZnO nano/micro-fibrous thin film synthesized by sol-gel technique. <i>Physica B: Condensed Matter</i> , 2007, 387, 103-108.	1.3	97
778	Effects of thermal annealing on the properties of ZnO-coated MgO nanowires. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2007, 136, 148-153.	1.7	17
779	Nanofabrication and characterization of ZnO nanorod arrays and branched microrods by aqueous solution route and rapid thermal processing. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2007, 145, 57-66.	1.7	178
780	Structural and optical properties of ZnMgO nanostructures formed by Mg in-diffused ZnO nanowires. <i>Journal of Solid State Chemistry</i> , 2007, 180, 1188-1192.	1.4	51
781	Catalyst-free synthesis and luminescence of aligned ZnO nanorods. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2007, 39, 258-261.	1.3	23

#	ARTICLE	IF	CITATIONS
782	Fabrication of ZnO nanoparticles by pulsed laser ablation in aqueous media and pH-dependent particle size: An approach to study the mechanism of enhanced green photoluminescence. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 191, 66-73.	2.0	56
783	P-type conductivity and stability of nitrogen-doped zinc oxide prepared by magnetron sputtering. <i>Journal of Luminescence</i> , 2007, 122-123, 191-194.	1.5	53
784	ZnO nanorod arrays grown under different pressures and their photoluminescence properties. <i>Journal of Luminescence</i> , 2007, 122-123, 766-769.	1.5	17
785	Temperature-dependent photoluminescence of ZnO nanorods prepared by a simple solution route. <i>Journal of Luminescence</i> , 2007, 122-123, 816-818.	1.5	6
786	Preparation and photoluminescent properties of zinc oxide phosphor. <i>Journal of Luminescence</i> , 2007, 126, 177-181.	1.5	25
787	Influence of CH ₃ COO ⁻ on the room temperature photoluminescence of ZnO films prepared by CVD. <i>Journal of Luminescence</i> , 2007, 126, 203-206.	1.5	22
788	Synthesis and room temperature photoluminescence of ZnO/CTAB ordered layered nanocomposite with flake-like architecture. <i>Journal of Luminescence</i> , 2007, 126, 661-664.	1.5	47
789	Two-photon optical characteristics of zinc oxide in bulk, low dimensional and nanoforms. <i>Journal of Luminescence</i> , 2007, 126, 641-643.	1.5	12
790	Photoluminescence and absorption in sol-gel-derived ZnO films. <i>Journal of Luminescence</i> , 2007, 126, 800-806.	1.5	175
791	One-pot synthesis, photoluminescence, and photocatalysis of Ag/ZnO composites. <i>Journal of Colloid and Interface Science</i> , 2007, 309, 478-484.	5.0	131
792	Properties of ZnO epitaxial layers and polycrystalline films prepared by metalorganic molecular beam epitaxial apparatus using diethylzinc and water as precursors. <i>Journal of Crystal Growth</i> , 2007, 298, 481-485.	0.7	10
793	Novel synthesis method of ZnO nanorods by ion complex transformed PVA-assisted nucleation. <i>Journal of Crystal Growth</i> , 2007, 299, 272-276.	0.7	25
794	Zno-based thin films synthesized by atmospheric pressure mist chemical vapor deposition. <i>Journal of Crystal Growth</i> , 2007, 299, 1-10.	0.7	160
795	p-Type ZnO on sapphire by using O ₂ /N ₂ co-activating and fabrication of ZnO LED. <i>Journal of Crystal Growth</i> , 2007, 301-302, 362-365.	0.7	25
796	Morphology and optical properties of ZnO nanostructures grown under zinc and oxygen-rich conditions. <i>Journal of Crystal Growth</i> , 2007, 304, 47-52.	0.7	15
797	Nanocrystalline ZnO particles: Low-temperature solution approach from a single molecular precursor. <i>Journal of Crystal Growth</i> , 2007, 304, 150-157.	0.7	33
798	Nanostructured ZnO: From monodisperse nanoparticles to nanorods. <i>Journal of Crystal Growth</i> , 2007, 305, 162-166.	0.7	73
799	Structural and optical properties of ZnO epilayers grown by plasma-assisted molecular beam epitaxy on GaN/sapphire (0001). <i>Journal of Crystal Growth</i> , 2007, 305, 133-136.	0.7	10

#	ARTICLE	IF	CITATIONS
800	Effect of hydrogen pretreatment combined with growth temperature on the morphologies of ZnO nanostructures: Structural and optical properties. <i>Journal of Crystal Growth</i> , 2007, 306, 52-61.	0.7	10
801	Growth and characterization of nonpolar ZnO (0001) epitaxial film on $\hat{\Gamma}$ -LiAlO ₂ substrate by chemical vapor deposition. <i>Journal of Crystal Growth</i> , 2007, 308, 412-416.	0.7	42
802	Doping effect on the optical properties of ZnO nanostructures. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007, 4, 1432-1437.	0.8	5
803	Influence of liquid-phase synthesis parameters on particle sizes and structural properties of nanocrystalline ZnO powders. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007, 4, 3260-3269.	0.8	10
804	Laser-Interference Lithography Tailored for Highly Symmetrically Arranged ZnO Nanowire Arrays. <i>Small</i> , 2007, 3, 76-80.	5.2	95
805	Nonhydrolytic Alcoholysis Route to Morphology-Controlled ZnO Nanocrystals. <i>Small</i> , 2007, 3, 1194-1199.	5.2	51
806	Growth and characterization study of multidimensional hierarchical ZnO nanostructures. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 1567-1572.	0.7	3
807	The effect of oxygen content on the electrical characteristics of ZnO. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 1553-1559.	0.7	3
808	Controlling the Morphology of Polymeric Precursor-Derived ZnO Flower-Like Structures. <i>Journal of the American Ceramic Society</i> , 2007, 90, 433-442.	1.9	18
809	Photoluminescence Properties of Zinc Oxide in Barium and Fluorine Silicate Glasses. <i>Journal of the American Ceramic Society</i> , 2007, 90, 1255-1257.	1.9	15
810	Controllable ZnO morphology via simple template-free solution route. <i>Materials Chemistry and Physics</i> , 2007, 102, 7-12.	2.0	25
811	Synthesis and characterization of novel flower-shaped ZnO nanostructures. <i>Materials Chemistry and Physics</i> , 2007, 105, 194-198.	2.0	28
812	Low temperature solution synthesis and characterization of ZnO nano-flowers. <i>Materials Research Bulletin</i> , 2007, 42, 1640-1648.	2.7	337
813	Solvothermal synthesis of nanorods of ZnO, N-doped ZnO and CdO. <i>Materials Research Bulletin</i> , 2007, 42, 2117-2124.	2.7	81
814	Study on the Hall-effect and photoluminescence of N-doped p-type ZnO thin films. <i>Materials Letters</i> , 2007, 61, 41-44.	1.3	73
815	Synthesis and optical properties of TiO ₂ nanoparticles. <i>Materials Letters</i> , 2007, 61, 79-83.	1.3	216
816	Formation of mushroom-like ZnO microcrystals through a solution calcination process. <i>Materials Letters</i> , 2007, 61, 137-140.	1.3	13
817	Optical and photoluminescent properties of sol-gel Al-doped ZnO thin films. <i>Materials Letters</i> , 2007, 61, 1118-1121.	1.3	158

#	ARTICLE	IF	CITATIONS
818	Effects of processing parameters on ultraviolet emission of In-doped ZnO nanodisks grown by carbothermal reduction. <i>Materials Letters</i> , 2007, 61, 1767-1770.	1.3	15
819	Structural and luminescent properties of ZnO nanorods prepared from aqueous solution. <i>Materials Letters</i> , 2007, 61, 1876-1880.	1.3	30
820	The optical properties of ZnO sheets electrodeposited on ITO glass. <i>Materials Letters</i> , 2007, 61, 2000-2003.	1.3	57
821	Effect of oxygen partial pressure on the structural and optical properties of sputter deposited ZnO nanocrystalline thin films. <i>Materials Letters</i> , 2007, 61, 2050-2053.	1.3	52
822	Structural and optical properties of La-doped ZnO films prepared by magnetron sputtering. <i>Materials Letters</i> , 2007, 61, 2262-2265.	1.3	81
823	Photoelectric properties of nano-ZnO fabricated in mesoporous silica film. <i>Materials Letters</i> , 2007, 61, 3179-3184.	1.3	18
824	Growth of single-crystalline AlZnO nanorods by simple vapor deposition method. <i>Materials Letters</i> , 2007, 61, 3582-3584.	1.3	8
825	Photoluminescence properties of single crystalline ZnO/CdS core/shell one-dimensional nanostructures. <i>Materials Letters</i> , 2007, 61, 3535-3538.	1.3	16
826	Simple air oxidation synthesis and optical properties of S-doped ZnO microspheres. <i>Materials Letters</i> , 2007, 61, 3870-3872.	1.3	13
827	Preparation of SiC and SiC/ZnO nanocomposites and its properties. <i>Materials Letters</i> , 2007, 61, 4242-4245.	1.3	4
828	A simple microwave-assisted decomposing route for synthesis of ZnO nanorods in the presence of PEG400. <i>Materials Letters</i> , 2007, 61, 4409-4411.	1.3	51
829	Multipod ZnO 3D microstructures. <i>Materials Letters</i> , 2007, 61, 3310-3313.	1.3	9
830	Structural and optical properties of sprayed Zn _{1-x} MnxO films. <i>Solid State Sciences</i> , 2007, 9, 718-721.	1.5	5
831	Fabrication and Optical Properties of Large-Scale ZnO Nanotube Bundles via a Simple Solution Route. <i>Journal of Physical Chemistry C</i> , 2007, 111, 17521-17526.	1.5	112
832	Native point defects in ZnO. <i>Physical Review B</i> , 2007, 76, .	1.1	2,051
833	Structure, microstructure and physical properties of ZnO based materials in various forms: bulk, thin film and nano. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 6312-6327.	1.3	147
834	Large-area growth of vertically aligned ZnO pillars by radio-frequency magnetron sputtering. <i>Applied Physics A: Materials Science and Processing</i> , 2007, 87, 749-753.	1.1	12
835	Growth of ZnO nanorods by a simple chemical method. <i>Applied Physics A: Materials Science and Processing</i> , 2007, 88, 35-39.	1.1	28

#	ARTICLE	IF	CITATIONS
836	Optical studies of ZnO nanocrystals doped with Eu ³⁺ ions. Applied Physics A: Materials Science and Processing, 2007, 88, 129-133.	1.1	53
837	Angularly resolved photoluminescent emission from pulsed-laser-deposited ZnO films with different microstructures. Applied Physics A: Materials Science and Processing, 2007, 90, 141-147.	1.1	2
838	Effective photonic pseudogap of a two-phase composite opaline photonic crystal. Applied Physics B: Lasers and Optics, 2007, 87, 297-300.	1.1	2
839	Fast photoluminescence decay processes of doped ZnO phosphors. Applied Physics B: Lasers and Optics, 2007, 87, 311-315.	1.1	6
840	Effect of the oxygen pressure on the photoluminescence properties of ZnO thin films by PLD. Journal of Materials Science, 2007, 42, 2678-2683.	1.7	21
841	An alternative approach to in situ synthesize single crystalline ZnO nanowires by oxidizing granular zinc film. Journal of Materials Science, 2007, 42, 6489-6493.	1.7	19
842	Synthesis and improved photoluminescence of Eu:ZnO phosphor. Journal of Materials Science, 2007, 42, 10047-10051.	1.7	25
843	Formation of ZnO Nanoparticles by the Reaction of Zinc Metal with Aliphatic Alcohols. Journal of Cluster Science, 2007, 18, 660-670.	1.7	32
844	Growth of ZnO nanoneedles on silicon substrate by cyclic feeding chemical vapor deposition: Structural and optical properties. Korean Journal of Chemical Engineering, 2007, 24, 1084-1088.	1.2	10
845	Synthesis, characterization and photoluminescence of well-ordered ZnO micropillars grown on ZnO buffer layers. Wuhan University Journal of Natural Sciences, 2007, 12, 1043-1046.	0.2	1
846	Structural and optical properties of ZnO films grown on silicon and their applications in MOS devices in conjunction with ZrO ₂ as a gate dielectric. Bulletin of Materials Science, 2007, 30, 247-254.	0.8	35
847	Zinc Oxide Nanorods Grown by Arc Discharge. Journal of Electronic Materials, 2007, 36, 494-497.	1.0	9
848	ZnO Nanorods via Spray Deposition of Solutions Containing Zinc Chloride and Thiocarbamide. Nanoscale Research Letters, 2007, 2, 391-396.	3.1	44
849	Fabrication of ZnO nanorods in ionic liquids and their photoluminescent properties. Science in China Series B: Chemistry, 2007, 50, 224-229.	0.8	16
850	Structural and photoluminescent properties of ZnO films deposited by radio frequency reactive sputtering. Science in China Series G: Physics, Mechanics and Astronomy, 2007, 50, 281-286.	0.2	8
851	Surface modification of ZnO nanocrystals. Applied Surface Science, 2007, 253, 5473-5479.	3.1	196
852	Synthesis of ZnO nanowires by pulsed laser deposition in furnace. Applied Surface Science, 2007, 253, 7848-7850.	3.1	32
853	Influence of Al dopant on microstructure and optical properties of ZnO thin films prepared by sol-gel spin coating method. Optical Materials, 2007, 30, 314-317.	1.7	39

#	ARTICLE	IF	CITATIONS
854	Fabrication of a solution-processed thin-film transistor using zinc oxide nanoparticles and zinc acetate. <i>Superlattices and Microstructures</i> , 2007, 42, 361-368.	1.4	40
855	Structural, electrical and optical properties of ZnO:Al films deposited on flexible organic substrates for solar cell applications. <i>Thin Solid Films</i> , 2007, 515, 6094-6098.	0.8	161
856	Study of flowerlike CeO ₂ microspheres used as catalyst supports for CO oxidation reaction. <i>Journal of Physics and Chemistry of Solids</i> , 2007, 68, 1785-1790.	1.9	102
857	Large-quantity synthesis of ZnO hollow objects by thermal evaporation: Growth mechanism, structural and optical properties. <i>Applied Surface Science</i> , 2008, 254, 3339-3346.	3.1	21
858	Fabrication of As-doped p-type ZnO thin films using As ₂ O ₃ as doping source material by E-beam evaporation. <i>Applied Surface Science</i> , 2008, 255, 2173-2175.	3.1	13
859	Influences of Al doping concentration on structural, electrical and optical properties of Zn _{0.95} Ni _{0.05} O powders. <i>Current Applied Physics</i> , 2008, 8, 18-23.	1.1	26
860	Ni-doped zinc oxide nanocombs and phonon spectra properties. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 2300-2303.	0.9	50
861	Effects of annealing temperature on morphologies and optical properties of ZnO nanostructures. <i>Superlattices and Microstructures</i> , 2008, 44, 137-142.	1.4	27
862	Solution-processed ZnO nanoparticle-based semiconductor oxide thin-film transistors. <i>Superlattices and Microstructures</i> , 2008, 44, 761-769.	1.4	58
863	Morphology and optoelectronic properties of ZnO rod array/conjugated polymer hybrid films. <i>Thin Solid Films</i> , 2008, 516, 5523-5526.	0.8	38
864	Effect of zinc oxide incorporation on the morphology of tris(8-hydroxyquinoline)aluminum/zinc oxide hybrid nanomaterials. <i>Thin Solid Films</i> , 2008, 516, 7299-7305.	0.8	16
865	Characterization of electrospun aluminum-doped zinc oxide nanofibers. <i>Thin Solid Films</i> , 2008, 517, 1262-1267.	0.8	29
866	Preparation and characterization of nanocrystalline ZnO particles from a hydrothermal process. <i>Journal of Nanoparticle Research</i> , 2008, 10, 401-407.	0.8	93
867	Photoacoustic spectra on Mn-doped zinc silicate powders by evacuated sealed silica tube method. <i>Journal of Materials Science</i> , 2008, 43, 378-383.	1.7	9
868	ZnO microrods with etched surface prepared by two-step hydrothermal reaction. <i>Journal of Materials Science</i> , 2008, 43, 2149-2152.	1.7	9
869	ZnO microcolumns originated from self-assembled nanorods. <i>Journal of Materials Science</i> , 2008, 43, 1711-1715.	1.7	7
870	Cathodoluminescence study of Te-doped ZnO microstructures grown by a vapour-sol-gel process. <i>Journal of Materials Science</i> , 2008, 43, 2844-2848.	1.7	19
871	Synthesis and microstructure of vertically aligned ZnO nanowires grown by high-pressure-assisted pulsed-laser deposition. <i>Journal of Materials Science</i> , 2008, 43, 6925-6932.	1.7	80

#	ARTICLE	IF	CITATIONS
872	Dependency of oxygen partial pressure on the characteristics of ZnO films grown by radio frequency magnetron sputtering. <i>Journal of Materials Science: Materials in Electronics</i> , 2008, 19, 744-748.	1.1	23
873	Growth condition dependence of zinc oxide nanostructures on Si substrates in an electrochemical process. <i>Journal of Materials Science: Materials in Electronics</i> , 2008, 19, 908-914.	1.1	4
874	Preparation and properties of ZnO nano-whiskers. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 1433-1438.	0.9	16
875	Hydrothermal synthesis of 2D ordered macroporous ZnO films. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2008, 3, 229-234.	0.4	7
876	Facile Synthesis of ZnO Nanorods by Microwave Irradiation of Zinc-Hydrazine Hydrate Complex. <i>Nanoscale Research Letters</i> , 2008, 3, .	3.1	74
877	Preparation and photoluminescence of ZnO with nanostructure by hollow-cathode discharge. <i>Frontiers of Materials Science in China</i> , 2008, 2, 31-36.	0.5	6
878	On the synthesis, characterization and photocatalytic applications of nanostructured TiO ₂ . <i>Bulletin of Materials Science</i> , 2008, 31, 545-550.	0.8	27
879	ZnO nanostructured microspheres and grown structures by thermal treatment. <i>Bulletin of Materials Science</i> , 2008, 31, 597-601.	0.8	18
880	Synthesis and evolution of novel double tower-like ZnO by a simple method. <i>Colloid and Polymer Science</i> , 2008, 286, 849-853.	1.0	3
881	ZnO nanowires: chemical growth, electrodeposition, and application to intracellular nano-sensors. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 3076-3083.	0.8	40
882	Shape-controlled synthesis of ZnO architectures. <i>Crystal Research and Technology</i> , 2008, 43, 55-60.	0.6	18
883	Morphology and photoluminescence properties of ZnO nanostructures fabricated with different given time of Ar. <i>Crystal Research and Technology</i> , 2008, 43, 1041-1045.	0.6	23
884	Zinc oxide: A case study in contemporary computational solid state chemistry. <i>Journal of Computational Chemistry</i> , 2008, 29, 2234-2249.	1.5	105
885	Facile Gram-Scale Growth of Single-Crystalline Nanotetrapod-Assembled ZnO Through a Rapid Process. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 3172-3176.	1.0	11
886	Bubble-Templated and Flow-Controlled Synthesis of Macroscopic Silica Tubes Supporting Zinc Oxide Nanostructures. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9900-9903.	7.2	49
887	Continuous Size Tuning of Monodisperse ZnO Colloidal Nanocrystal Clusters by a Microwave-Polyol Process and Their Application for Humidity Sensing. <i>Advanced Materials</i> , 2008, 20, 4845-4850.	11.1	242
889	Effect of PSS on morphology and optical properties of ZnO. <i>Journal of Colloid and Interface Science</i> , 2008, 326, 433-438.	5.0	95
890	Effect of Mn doping on the microstructures and optical properties of sol-gel derived ZnO thin films. <i>Journal of Crystal Growth</i> , 2008, 310, 1841-1846.	0.7	69

#	ARTICLE	IF	CITATIONS
891	Low-temperature growth of ZnO with controllable shapes and band gaps. <i>Journal of Crystal Growth</i> , 2008, 310, 2848-2853.	0.7	47
892	Analysis of the band-edge luminescence degradation for ZnO films with Al doping prepared by the sol-gel method. <i>Journal of Crystal Growth</i> , 2008, 310, 4110-4114.	0.7	14
893	Effects of N doping on ZnO thin films grown by MOVPE. <i>Journal of Crystal Growth</i> , 2008, 310, 5011-5015.	0.7	6
894	Synthesis of quasi-aligned Si-doped ZnO nanorods on Si substrate. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 795-799.	1.3	21
895	Photoluminescence and Raman analysis of ZnO nanowires deposited on Si(100) via vapor-liquid-solid process. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 920-923.	1.3	78
896	Well-aligned ZnO microprism arrays with umbrella-like tips: Low-temperature preparation, structure and UV photoluminescence improvement. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 2931-2936.	1.3	13
897	Surface effects on photoluminescence of single ZnO nanowires. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 4505-4509.	0.9	184
898	Characterization of ZnO:Si nanocomposite films grown by thermal evaporation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 7068-7072.	0.9	7
899	Vertically stacked non-volatile memory devices - material considerations. <i>Microelectronic Engineering</i> , 2008, 85, 2434-2438.	1.1	37
900	Controllable synthesis of ZnO nanoflowers and their morphology-dependent photocatalytic activities. <i>Separation and Purification Technology</i> , 2008, 62, 727-732.	3.9	291
901	Selective acetone sensor based on dumbbell-like ZnO with rapid response and recovery. <i>Sensors and Actuators B: Chemical</i> , 2008, 134, 166-170.	4.0	127
902	Defect photoluminescence of ZnO nanorods synthesized by chemical methods. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 353-357.	1.9	51
903	Photoluminescence of ZnO nanowires dependent on O ₂ and Ar annealing. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 2453-2456.	1.9	58
904	Plus green emission of ZnO nanorods induced by Ce ³⁺ doping and concentration. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 195, 151-155.	2.0	14
905	Structural and PL properties of Cu-doped ZnO films. <i>Journal of Luminescence</i> , 2008, 128, 297-300.	1.5	127
906	Hybrid fluorescent polymer-zinc oxide nanoparticles: Improved efficiency for luminescence conversion LED. <i>Journal of Luminescence</i> , 2008, 128, 287-296.	1.5	30
907	Studies of luminescence properties of ZnO and ZnO:Zn nanorods prepared by solution growth technique. <i>Journal of Luminescence</i> , 2008, 128, 267-272.	1.5	103
908	Blue-violet luminescence double peak of In-doped films prepared by radio frequency sputtering. <i>Journal of Luminescence</i> , 2008, 128, 328-332.	1.5	33

#	ARTICLE	IF	CITATIONS
909	Nano-star formation in Al-doped ZnO thin film deposited by dip-dry method and its characterization using atomic force microscopy, electron probe microscopy, photoluminescence and laser Raman spectroscopy. <i>Journal of Luminescence</i> , 2008, 128, 1577-1586.	1.5	130
910	Growth, morphology and optical properties of tris(8-hydroxyquinoline)aluminum/zinc oxide hybrid nanowires. <i>Journal of Luminescence</i> , 2008, 128, 1629-1634.	1.5	11
911	Structural and optical properties of nanocrystalline ZnO thin films synthesized by the citrate precursor route. <i>Journal of Luminescence</i> , 2008, 128, 1641-1648.	1.5	27
912	Highly enhanced luminescence of ZnO green phosphors by calcining ZnS with NH ₄ Br as additive. <i>Journal of Luminescence</i> , 2008, 128, 1758-1762.	1.5	6
913	Blue shift in the luminescence spectra of MEH-PPV films containing ZnO nanoparticles. <i>Journal of Luminescence</i> , 2008, 128, 2031-2034.	1.5	61
914	Improvement of electrical and optical properties of Ga and N co-doped p-type ZnO thin films with thermal treatment. <i>Applied Surface Science</i> , 2008, 254, 6446-6449.	3.1	19
915	Cr doping in Zn _{1-x} CrxO crystals beyond the solubility limit by the catalytic electric current heating method. <i>Applied Surface Science</i> , 2008, 254, 7993-7995.	3.1	1
916	Synthesis and photoluminescence of hollow microspheres constructed with ZnO nanorods by H ₂ bubble templates. <i>Chemical Physics Letters</i> , 2008, 455, 93-97.	1.2	26
917	Properties of nano-ZnO/poly(vinyl alcohol)/poly(ethylene oxide) composite thin films. <i>Current Applied Physics</i> , 2008, 8, 42-47.	1.1	126
918	Modifications in physical, optical and electrical properties of tin oxide by swift heavy Au ⁸⁺ ion bombardment. <i>Current Applied Physics</i> , 2008, 8, 181-188.	1.1	19
919	Synthesis and strong red photoluminescence of europium oxide nanotubes and nanowires using carbon nanotubes as templates. <i>Acta Materialia</i> , 2008, 56, 955-967.	3.8	48
920	Synthesis and cathodoluminescence properties of porous wood (fir)-templated zinc oxide. <i>Ceramics International</i> , 2008, 34, 69-74.	2.3	31
921	Effects of oxygen concentration on the electrical properties of ZnO films. <i>Ceramics International</i> , 2008, 34, 1097-1101.	2.3	27
922	Cathodoluminescence characterization of ZnO:Te microstructures obtained with ZnTe and TeO ₂ doping precursors. <i>Superlattices and Microstructures</i> , 2008, 43, 600-604.	1.4	13
923	Influence of post-deposition annealing on the structural and optical properties of ZnO thin films prepared by sol-gel and spin-coating method. <i>Superlattices and Microstructures</i> , 2008, 43, 112-119.	1.4	72
924	Structural and optical properties of ZnO thin films on (111) CaF ₂ substrates grown by magnetron sputtering. <i>Superlattices and Microstructures</i> , 2008, 44, 54-61.	1.4	21
925	Temperature dependence and decay times of zinc and oxygen vacancy related photoluminescence bands in zinc oxide. <i>Solid State Communications</i> , 2008, 145, 321-326.	0.9	121
926	MgO nanobelts using a reactive and auto-removed ZnO nanobelt template. <i>Solid State Communications</i> , 2008, 147, 57-60.	0.9	4

#	ARTICLE	IF	CITATIONS
927	Growth mechanism and optical property of ZnO nanoparticles synthesized by sonochemical method. <i>Ultrasonics Sonochemistry</i> , 2008, 15, 863-868.	3.8	134
928	Optical and electrical properties of ZnO nanoparticle thin films deposited on quartz by sparking process. <i>Thin Solid Films</i> , 2008, 516, 5640-5644.	0.8	30
929	Influence of target to substrate distance on the sputtered CuCl film properties. <i>Thin Solid Films</i> , 2008, 516, 5531-5535.	0.8	6
930	Sol-gel synthesis and luminescence property of ZnO:(La,Eu)Cl nanocomposite thin films. <i>Thin Solid Films</i> , 2008, 516, 5557-5561.	0.8	11
931	Temperature dependent photoluminescence characteristics of nanocrystalline ZnO films grown by sol-gel technique. <i>Thin Solid Films</i> , 2008, 516, 8702-8706.	0.8	42
932	Preparation and characterization of nanocrystalline tin oxide thin films deposited at room temperature. <i>Thin Solid Films</i> , 2008, 516, 8587-8593.	0.8	26
933	Formation and cathodoluminescence of Al:ZnO nanoscrew clusters. <i>Thin Solid Films</i> , 2008, 517, 1225-1229.	0.8	5
934	One-dimensional and quasi-one-dimensional ZnO nanostructures prepared by spray-pyrolysis-assisted thermal evaporation. <i>Applied Surface Science</i> , 2008, 254, 3162-3166.	3.1	8
935	The crystallization and physical properties of Al-doped ZnO nanoparticles. <i>Applied Surface Science</i> , 2008, 254, 5791-5795.	3.1	205
936	Theoretical study of structural, optical and electrical properties of zirconium-doped zinc oxide. <i>Applied Surface Science</i> , 2008, 254, 6983-6986.	3.1	23
937	Low-temperature growth and optical properties of Ce-doped ZnO nanorods. <i>Applied Surface Science</i> , 2008, 255, 2646-2650.	3.1	153
938	Structural and luminescent characteristics of non-stoichiometric ZnO films by various sputtering and annealing temperatures. <i>Physica B: Condensed Matter</i> , 2008, 403, 178-183.	1.3	28
939	Fabrication and characterization of ZnO micro and nanostructures prepared by thermal evaporation. <i>Physica B: Condensed Matter</i> , 2008, 403, 664-669.	1.3	27
940	Effect of hydrothermal reaction conditions on the optical properties of ZnO nanorods. <i>Physica B: Condensed Matter</i> , 2008, 403, 1960-1963.	1.3	31
941	Formation of hierarchical ZnO nanostructures –nanocombs–: Growth mechanism, structural and optical properties. <i>Current Applied Physics</i> , 2008, 8, 793-797.	1.1	15
942	Surfactant-assisted self-assembly growth of single-crystalline ZnO microflowers at low temperature. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 313-314, 576-580.	2.3	6
943	Size-controlled synthesis and characterization of quantum-size SnO ₂ nanocrystallites by a solvothermal route. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 312, 219-225.	2.3	50
944	Assembly of ZnO particles by micromoulding in top-gathering pillar array. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008, 148, 43-47.	1.7	4

#	ARTICLE	IF	CITATIONS
945	EPR and optical study of oxygen and zinc vacancies in electron-irradiated ZnO. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 2953-2957.	0.6	86
946	Formation and evolution of oxygen vacancies in ZnO white paint during proton exposure. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 3275-3280.	0.6	14
947	Photoluminescence of ZnO quantum dots produced by a sol-gel process. Optical Materials, 2008, 30, 1233-1239.	1.7	103
948	Synthesis and photoluminescence of Cl-doped ZnO nanospheres. Optical Materials, 2008, 31, 1-5.	1.7	17
949	Effect of annealing on room temperature photoluminescence of polymeric precursor derived ZnO thin films on sapphire substrates. Optical Materials, 2008, 31, 143-148.	1.7	19
950	Arsenic-doped ZnO films fabricated on silicon substrates by pulsed laser ablation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 473, 201-205.	2.6	28
951	Investigation of the Growth Mechanism of Iron Oxide Nanoparticles via a Seed-Mediated Method and Its Cytotoxicity Studies. Journal of Physical Chemistry C, 2008, 112, 15684-15690.	1.5	47
952	A New Route toward ZnO Hollow Spheres by a Base-Erosion Mechanism. Crystal Growth and Design, 2008, 8, 460-464.	1.4	71
953	A Highly Efficient Ag-ZnO Photocatalyst: Synthesis, Properties, and Mechanism. Journal of Physical Chemistry C, 2008, 112, 13563-13570.	1.5	720
954	A Facile and Mild Synthesis of 1-D ZnO, CuO, and $\pm\text{Fe}_{2}\text{O}_{3}$ Nanostructures and Nanostructured Arrays. ACS Nano, 2008, 2, 944-958.	7.3	165
955	Nanocrystalline ZnO Thin Film Synthesis Using Glycerol in Aqueous Polymeric Precursor Processing. Journal of the American Ceramic Society, 2008, 91, ???-???.	1.9	1
956	Monodispersed and Well-Crystallized Zinc Oxide Nanoparticles Fabricated by Microemulsion Method. Journal of the American Ceramic Society, 2008, 91, 3850-3855.	1.9	42
957	Synthesis of ZnO nanotetrapods. Inorganic Materials, 2008, 44, 846-852.	0.2	14
958	Low-temperature CO oxidation over Au/ZnO/SiO ₂ catalysts: Some mechanism insights. Journal of Catalysis, 2008, 255, 269-278.	3.1	81
959	White light emitting diode synthesis using near ultraviolet light excitation on Zinc oxide-Silicon dioxide nanocomposite. Scripta Materialia, 2008, 59, 722-725.	2.6	36
960	Rod-like zinc oxide constructed by nanoparticles: synthesis, characterization and optical properties. Materials Chemistry and Physics, 2008, 107, 137-141.	2.0	44
961	ZnO nanocones: Solvothermal synthesis and photoluminescence properties. Materials Research Bulletin, 2008, 43, 2228-2238.	2.7	27
962	Enhancement of green luminescence of ZnO powders by annealing with carbon black. Materials Research Bulletin, 2008, 43, 2153-2159.	2.7	12

#	ARTICLE	IF	CITATIONS
963	Hydrothermal preparation, characterization and property research of flowerlike ZnO nanocrystals built up by nanoflakes. <i>Materials Research Bulletin</i> , 2008, 43, 2919-2928.	2.7	28
964	Structural properties and growth mechanism of flower-like ZnO structures obtained by simple solution method. <i>Materials Research Bulletin</i> , 2008, 43, 3483-3489.	2.7	71
965	Facile synthesis, optical and photoconductive properties of novel ZnO nanocones. <i>Materials Research Bulletin</i> , 2008, 43, 3506-3513.	2.7	21
966	Structural and optical properties of ZnO nanostructures grown on silicon substrate by thermal evaporation process. <i>Materials Letters</i> , 2008, 62, 167-171.	1.3	18
967	Rapid synthesis of ZnO micro/nanostructures in large scale. <i>Materials Letters</i> , 2008, 62, 159-162.	1.3	18
968	Effects of phosphorus doping source temperatures on fabrication and properties of p-type ZnO thin films. <i>Materials Letters</i> , 2008, 62, 536-538.	1.3	15
969	A facile synthesis and optical properties of ZnO:S,Cl apertured architectures. <i>Materials Letters</i> , 2008, 62, 1187-1189.	1.3	3
970	Synthesis and photoluminescence properties of ZnO nanowires and nanorods by thermal oxidation of Zn precursors. <i>Materials Letters</i> , 2008, 62, 1797-1800.	1.3	29
971	Preparation, structure and photoluminescence properties of SiO ₂ /ZnO nanocables via electrospinning and vapor transport deposition. <i>Materials Letters</i> , 2008, 62, 2088-2091.	1.3	17
972	One-step polyoxometalate-assisted solvothermal synthesis of ZnO microspheres and their photoluminescence properties. <i>Materials Letters</i> , 2008, 62, 2531-2534.	1.3	37
973	The structure and photoluminescence properties of RF-sputtered films of ZnO on Teflon substrate. <i>Materials Letters</i> , 2008, 62, 2907-2909.	1.3	21
974	Synthesis and optical properties of halogen-doped ZnO phosphor. <i>Materials Letters</i> , 2008, 62, 3018-3020.	1.3	13
975	Preparation and characterization of β -Fe ₂ O ₃ /ZnO composite particles. <i>Materials Letters</i> , 2008, 62, 4066-4068.	1.3	41
976	Photo-initiated growth of zinc oxide (ZnO) nanorods. <i>Materials Letters</i> , 2008, 62, 4044-4046.	1.3	9
977	Systematic research on RE ₂ Zr ₂ O ₇ (RE=La, Nd, Eu and Y) nanocrystals: Preparation, structure and photoluminescence characterization. <i>Solid State Sciences</i> , 2008, 10, 74-81.	1.5	65
978	Low-Temperature Growth and Characterization of Cl-Doped ZnO Nanowire Arrays. <i>Journal of Physical Chemistry C</i> , 2008, 112, 4475-4479.	1.5	67
979	Surface Functionalization of ZnO Nanotetrapods with Photoactive and Electroactive Organic Monolayers. <i>Langmuir</i> , 2008, 24, 5052-5059.	1.6	95
980	Growth Mechanism and Optical Properties of Aligned Hexagonal ZnO Nanoprisms Synthesized by Noncatalytic Thermal Evaporation. <i>Inorganic Chemistry</i> , 2008, 47, 4088-4094.	1.9	40

#	ARTICLE	IF	CITATIONS
981	Synthesis of one-dimensional ZnO nanostructures and their field emission properties. Journal Physics D: Applied Physics, 2008, 41, 045301.	1.3	28
982	Enhanced surface-excitonic emission in ZnO/Al ₂ O ₃ core-shell nanowires. Nanotechnology, 2008, 19, 305202.	1.3	168
983	Extremely low temperature growth of ZnO by atomic layer deposition. Journal of Applied Physics, 2008, 103, .	1.1	223
984	Controllable Fabrication and Photocatalytic Activity of ZnO Nanobelt Arrays. Journal of Physical Chemistry C, 2008, 112, 715-721.	1.5	188
985	Yellow luminescence in ZnO layers grown on sapphire. Journal of Applied Physics, 2008, 103, .	1.1	59
986	Electroluminescence and rectifying properties of heterojunction LEDs based on ZnO nanorods. Nanotechnology, 2008, 19, 285203.	1.3	44
987	Effects of Mg incorporation on the optical properties of ZnO prepared by the sol-gel method. Journal of Applied Physics, 2008, 103, .	1.1	31
988	Intense white photoluminescence emission of V-implanted zinc oxide thin films. Journal of Applied Physics, 2008, 104, .	1.1	25
989	Photoinduced Charge-Transfer Processes on MOF-5 Nanoparticles: Elucidating Differences between Metal-Organic Frameworks and Semiconductor Metal Oxides. Journal of Physical Chemistry C, 2008, 112, 14090-14101.	1.5	226
990	Trap-State Dynamics in Visible-Light-Emitting ZnO:MgO Nanocrystals. Journal of Physical Chemistry C, 2008, 112, 4531-4537.	1.5	49
991	ZnO Twin-Cones: Synthesis, Photoluminescence, and Catalytic Decomposition of Ammonium Perchlorate. Inorganic Chemistry, 2008, 47, 4146-4152.	1.9	131
992	Facile Synthesis of Novel Photoluminescent ZnO Micro- and Nanopencils. Langmuir, 2008, 24, 13640-13645.	1.6	43
993	Controlled Crystal Growth and Crystallite Orientation in ZnO Films/Nanorods Prepared by Chemical Bath Deposition: Effect of Solvent. Crystal Growth and Design, 2008, 8, 501-506.	1.4	33
994	Tailoring the photoluminescence of ZnO nanowires using Au nanoparticles. Nanotechnology, 2008, 19, 435711.	1.3	135
995	Gas sensing properties of defect-controlled ZnO-nanowire gas sensor. Applied Physics Letters, 2008, 93, .	1.5	643
996	Eu ³⁺ -doped gadolinium oxysulfide (Gd ₂ O ₂ S) nanostructures—synthesis and optical and electronic properties. Nanotechnology, 2008, 19, 395703.	1.3	49
997	Ultraviolet-Emitting ZnO Nanostructures on Steel Alloy Substrates: Growth and Properties. Crystal Growth and Design, 2008, 8, 2741-2747.	1.4	54
998	Band-gap engineering of Zn _{1-x} Ga _x O nanopowders: Synthesis, structural and optical characterizations. Journal of Applied Physics, 2008, 104, 073707.	1.1	28

#	ARTICLE	IF	CITATIONS
999	The effect of bath temperature on the electrodeposition of zinc oxide thin films via an acetate medium. <i>Semiconductor Science and Technology</i> , 2008, 23, 085013.	1.0	30
1000	Photoluminescence from ZnO Nanoparticles Embedded in an Amorphous Matrix. <i>Crystal Growth and Design</i> , 2008, 8, 1503-1508.	1.4	30
1001	Large-area self-catalysed and selective growth of ZnO nanowires. <i>Nanotechnology</i> , 2008, 19, 325603.	1.3	36
1002	Multistep Synthesis, Growth Mechanism, Optical, and Microwave Absorption Properties of ZnO Dendritic Nanostructures. <i>Journal of Physical Chemistry C</i> , 2008, 112, 11767-11775.	1.5	197
1003	Poly(phenylene ethynylene)-coated aligned ZnO nanorod arrays for 2,4,6-trinitrotoluene detection. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	16
1004	A General Chemical Conversion Route To Synthesize Various ZnO-Based Core/Shell Structures. <i>Journal of Physical Chemistry C</i> , 2008, 112, 10402-10406.	1.5	140
1005	Efficient Energy Transfer in Monodisperse Eu-Doped ZnO Nanocrystals Synthesized from Metal Acetylacetonates in High-Boiling Solvents. <i>Journal of Physical Chemistry C</i> , 2008, 112, 12234-12241.	1.5	212
1006	Effects of post-thermal annealing on the optical constants of ZnO thin film. <i>Journal of Alloys and Compounds</i> , 2008, 448, 21-26.	2.8	231
1007	Effect of annealing on conductivity behavior of undoped zinc oxide prepared by rf magnetron sputtering. <i>Journal of Alloys and Compounds</i> , 2008, 457, 36-41.	2.8	84
1008	Synthesis and characterization of nickel coated by zinc oxide: Bifunctional magnetic-optical nanocomposites. <i>Journal of Alloys and Compounds</i> , 2008, 458, 119-122.	2.8	17
1009	A facile synthesis and photoluminescence of porous S-doped ZnO architectures. <i>Journal of Alloys and Compounds</i> , 2008, 459, 395-398.	2.8	19
1010	Temperature-dependant non-catalytic growth of ultraviolet-emitting ZnO nanostructures on silicon substrate by thermal evaporation process. <i>Journal of Alloys and Compounds</i> , 2008, 463, 516-521.	2.8	36
1011	Influence of temperature on the morphology and luminescence of ZnO micro and nanostructures prepared by CTAB-assisted hydrothermal method. <i>Journal of Alloys and Compounds</i> , 2008, 465, L14-L19.	2.8	51
1012	Low-temperature synthesis and characterization of ZnO quantum dots. <i>Journal of Alloys and Compounds</i> , 2008, 463, 92-95.	2.8	36
1013	Controlled synthesis of ZnO from nanospheres to micro-rods and its gas sensing studies. <i>Talanta</i> , 2008, 75, 1315-1319.	2.9	53
1014	Field Emission From Hydrothermally Grown ZnO Nanoinjectors. <i>Journal of Display Technology</i> , 2008, 4, 9-12.	1.3	17
1015	Optical properties of trivalent europium doped ZnO:Zn phosphor under indirect excitation of near-UV light. <i>Optics Express</i> , 2008, 16, 11795.	1.7	36
1016	Low-Temperature Solution Growth of High-Quality ZnO Thin Films and Solvent-Dependent Film Texture. <i>Journal of Physical Chemistry C</i> , 2008, 112, 1920-1924.	1.5	38

#	ARTICLE	IF	CITATIONS
1017	Nature of quasi-LO phonon in ZnO. Applied Physics Letters, 2008, 93, 111903.	1.5	22
1018	Surface Plasmon Resonance (SPR) Electron and Energy Transfer in Noble Metal-Zinc Oxide Composite Nanocrystals. Journal of Physical Chemistry C, 2008, 112, 10079-10082.	1.5	208
1019	Synthesis and Optical Properties of Ce-doped ZnO. Chemical Research in Chinese Universities, 2008, 24, 266-269.	1.3	8
1020	Toward an Understanding of Intermediate- and Short-Range Defects in ZnO Single Crystals. A Combined Experimental and Theoretical Study. Journal of Physical Chemistry A, 2008, 112, 8970-8978.	1.1	64
1021	Variation of ZnO shell thickness and its effects on the characteristics of coaxial nanowires. Nanotechnology, 2008, 19, 145601.	1.3	10
1022	Luminescent properties of ZnO nanowires and as-grown ensembles. Nanotechnology, 2008, 19, 415606.	1.3	29
1023	Low-temperature synthesis and photocatalytic properties of ZnO nanotubes by thermal oxidation of Zn nanowires. Nanotechnology, 2008, 19, 045605.	1.3	66
1024	Microphotoluminescence study of individual suspended ZnO nanowires. Applied Physics Letters, 2008, 92, 113112.	1.5	23
1025	Effect of pressure on the properties of phosphorus-doped p-type ZnO thin films grown by radio frequency-magnetron sputtering. Applied Physics Letters, 2008, 92, .	1.5	32
1026	Influence of unintentional doped carbon on growth and properties of N-doped ZnO films. Journal of Applied Physics, 2008, 104, .	1.1	22
1027	A Facile Route to Heterostructured ZnO:S/ZnO Nanorotors: Structural and Optical Properties. Journal of Physical Chemistry C, 2008, 112, 11162-11168.	1.5	8
1028	Simple fabrication of zinc oxide nanostructures. Journal of Materials Chemistry, 2008, 18, 637.	6.7	22
1029	Lithium ion as growth-controlling agent of ZnO nanoparticles prepared by organometallic synthesis. New Journal of Chemistry, 2008, 32, 662-669.	1.4	22
1030	Synthesis and characterization of water-soluble ZnO quantum dots prepared through PEG-siloxane coating. New Journal of Chemistry, 2008, 32, 1388.	1.4	39
1031	Synthesis and Characterization of Sb-Doped ZnO Nanobelts with Single-Side Zigzag Boundaries. Journal of Physical Chemistry C, 2008, 112, 17916-17919.	1.5	59
1032	Optical Properties of Cation-Substituted Zinc Oxide. Inorganic Chemistry, 2008, 47, 8437-8443.	1.9	45
1033	Experimental and theoretical correlation of very intense visible green photoluminescence in BaZrO ₃ powders. Journal of Applied Physics, 2008, 103, .	1.1	84
1034	Laser Irradiance and Wavelength-Dependent Compositional Evolution of Inorganic ZnO and ZnOOH/Organic SDS Nanocomposite Material. Journal of Physical Chemistry C, 2008, 112, 2812-2819.	1.5	60

#	ARTICLE	IF	CITATIONS
1035	Cathodoluminescence inhomogeneity in ZnO nanorods. Applied Physics Letters, 2008, 93, .	1.5	41
1036	Thermal chemical vapor deposition growth of zinc oxide nanostructures for dye-sensitized solar cell fabrication. Applied Physics Letters, 2008, 92, .	1.5	103
1037	Fabrication, Characterization and Properties of Flowerlike ZnS/ZnO Heterogeneous Microstructures Built Up by ZnS-Particle-Strewn ZnO Microrods. Journal of Physical Chemistry C, 2008, 112, 8200-8205.	1.5	19
1038	Substrate Effect Induced Growth of Various Single-Crystalline Zn and Zn/ZnO Core/Shell Polyhedrons with Tunable Photoemission. Crystal Growth and Design, 2008, 8, 2248-2255.	1.4	4
1039	Structural Characterization and Luminescence of Porous Single Crystalline ZnO Nanodisks with Sponge-like Morphology. Journal of Physical Chemistry C, 2008, 112, 240-246.	1.5	47
1040	Growth Mechanism and Photonic Behaviours of Nanoporous ZnO Microcheerios. Crystal Growth and Design, 2008, 8, 1623-1627.	1.4	12
1041	Systematic Investigation on Morphologies, Forming Mechanism, Photocatalytic and Photoluminescent Properties of ZnO Nanostructures Constructed in Ionic Liquids. Inorganic Chemistry, 2008, 47, 1443-1452.	1.9	193
1042	Cu-Doped ZnO Nanoneedles and Nanonails: Morphological Evolution and Physical Properties. Journal of Physical Chemistry C, 2008, 112, 9579-9585.	1.5	187
1043	Defect Control and Its Influence on the Exciton Emission of Electrodeposited ZnO Nanorods. Journal of Physical Chemistry C, 2008, 112, 10385-10388.	1.5	55
1044	Large-Scaled, Uniform, Monodispersed ZnO Colloidal Microspheres. Journal of Physical Chemistry C, 2008, 112, 12138-12141.	1.5	70
1045	Quantitative Study on the Effect of Surface Treatments on the Electric Characteristics of ZnO Nanowires. Journal of Physical Chemistry C, 2008, 112, 14225-14228.	1.5	10
1046	Synthesis and field electron emission properties of hybrid carbon nanotubes and nanoparticles. Nanotechnology, 2008, 19, 065710.	1.3	17
1047	Self-Assembled Growth of Hexagonal ZnO Nanoprisms Exhibiting Good Photoluminescence Property. Journal of the Electrochemical Society, 2008, 155, K129.	1.3	8
1048	NH ₃ Doping in MOCVD Growth of ZnO Thin Films. Materials Research Society Symposia Proceedings, 2008, 1109, 60101.	0.1	0
1049	Influences of Metal-Precoated Layers on Pulsed Current Electrodeposition of ZnO Nanorods on Indium Tin Oxide Substrates. Journal of the Electrochemical Society, 2008, 155, D771.	1.3	6
1050	Ultraviolet Luminescence Depending on Zn Interstitial in ZnO Polycrystalline Films. Chinese Physics Letters, 2008, 25, 3783-3786.	1.3	3
1051	Synthesis and optical properties of S-doped ZnO nanorods. , 2008, , .		0
1052	FORMATION OF ZnO NANOBUSHES IN DIRECT ATMOSPHERE USING A CARBON CATALYST AND A Zn METAL SOURCE. Nano, 2008, 03, 361-365.	0.5	4

#	ARTICLE	IF	CITATIONS
1053	Electronic structures of defects in ZnO: Hybrid density functional studies. Journal of Chemical Physics, 2008, 129, 154706.	1.2	57
1054	Modulation of Excitonic Emission from ZnO Nanocrystals by Visible Light Illumination. Japanese Journal of Applied Physics, 2008, 47, 3760-3762.	0.8	6
1055	Synthesis and self-assembly of zinc oxide nanoparticles with septahedral morphology. Journal of Materials Research, 2008, 23, 529-535.	1.2	8
1056	Effects of Laser Ablation on Growth of ZnO/ZnS/ZnO Multilayer Structured Nanorods by Chemical Vapor Deposition. Materials Research Society Symposia Proceedings, 2008, 1144, 1.	0.1	0
1057	Preparation and Spectral Properties of PVP-Modified ZnO Nanorods. Key Engineering Materials, 2008, 368-372, 329-332.	0.4	2
1058	Influence of ZnO homobuffer layer on n-ZnO/p-Si photodiode. Materials Science and Technology, 2008, 24, 1002-1004.	0.8	3
1059	Mass production of ZnO nanotetrapods by a flowing gas phase reaction method. Nanotechnology, 2008, 19, 245610.	1.3	20
1060	Zinc oxide nanostructures: epitaxially growing from hexagonal zinc nanostructures. Nanotechnology, 2008, 19, 445710.	1.3	32
1061	Effect of a buffer layer on the properties of UV photodetectors based on a ZnO/diamond film structure. Semiconductor Science and Technology, 2008, 23, 125018.	1.0	14
1062	Growth temperature dependent evolutions of microstructural, optical and magnetic properties of Zn _{0.75} Co _{0.25} O films. Chinese Physics B, 2008, 17, 690-696.	0.7	4
1063	GROWTH OF HIGH QUALITY ZINC OXIDE NANOWIRES BY SIMPLE OXIDATION OF ZINC POWDER IN AIR. Nano, 2008, 03, 477-482.	0.5	2
1064	Determination of the transport mechanisms in mixed conduction of reactively sputtered ZnO thin films. Journal Physics D: Applied Physics, 2008, 41, 135309.	1.3	2
1065	Studies on high electronic energy deposition in transparent conducting indium tin oxide thin films. Journal Physics D: Applied Physics, 2008, 41, 035308.	1.3	9
1066	Synthesis of ZnO/cubic (Zn,Mg)O heterostructure nanorods. Journal Physics D: Applied Physics, 2008, 41, 085109.	1.3	12
1067	Effect of zinc on the growth mechanism of zinc oxide nanostructures in the nitrogen environment. Journal Physics D: Applied Physics, 2008, 41, 055506.	1.3	4
1068	Growth Mechanism and Characterization of Single-crystalline Ga-doped SnO ₂ Nanowires and Self-organized SnO ₂ /Ga ₂ O ₃ Heterogeneous Microcomb Structures. Chinese Journal of Chemical Physics, 2008, 21, 181-186.	0.6	2
1069	Composition fluctuation induced growth of Al:ZnO rectangular nanorod arrays. Nanotechnology, 2008, 19, 035605.	1.3	6
1070	Ambipolar charge transport and electroluminescence properties of ZnO nanorods. Applied Physics Letters, 2008, 93, 023502.	1.5	18

#	ARTICLE	IF	CITATIONS
1071	Synthesis of Zinc Oxide Hollow Spherical Structure via Precursor-Template and Formation Mechanism. Journal of the Physical Society of Japan, 2008, 77, 074603.	0.7	6
1072	Optical Properties of Self-Assembled ZnO Nanocrystals Embedded in ap-Phenylene Biphenyltetracarboximide Polyimide Layer. Japanese Journal of Applied Physics, 2008, 47, 5086-5088.	0.8	1
1073	Spatially resolved photoluminescence study of single ZnO tetrapods. Nanotechnology, 2008, 19, 405702.	1.3	10
1074	Ferromagnetism in Mn and Sb co-doped ZnO films. Journal of Physics Condensed Matter, 2008, 20, 425207.	0.7	11
1075	ZnO nanorods with two spatially distinct light emissions. Nanotechnology, 2008, 19, 285703.	1.3	12
1076	Cross-sectional shape modulation of physical properties in ZnO and Zn _{1-x} Co _x O nanowires. New Journal of Physics, 2008, 10, 033017.	1.2	12
1077	Silicon-induced oriented ZnS nanobelts for hydrogen sensitivity. Nanotechnology, 2008, 19, 055710.	1.3	60
1078	Defect-induced degradation of rectification properties of aged Pt ⁿ -In _x Zn _{1-x} O _y Schottky diodes. Applied Physics Letters, 2008, 92, 233507.	1.5	14
1079	Revealing the surface origin of green band emission from ZnO nanostructures by plasma immersion ion implantation induced quenching. Journal of Applied Physics, 2008, 103, .	1.1	37
1080	Effect of annealing on the spectral and nonlinear optical characteristics of thin films of nano-ZnO. Journal of Applied Physics, 2008, 104, .	1.1	53
1081	Reversible change in electrical and optical properties in epitaxially grown Al-doped ZnO thin films. Journal of Applied Physics, 2008, 104, .	1.1	27
1082	ZnO nanocrystals by chemical route for optical gas sensing. , 2008, , .		8
1083	Enhanced ultraviolet emission from ZnO nanocrystals embedded in a hybrid polymer composite layer. Journal of Applied Physics, 2008, 103, .	1.1	2
1084	Absolute external luminescence quantum efficiency of zinc oxide. Applied Physics Letters, 2008, 92, 211105.	1.5	45
1085	Hydrogen-induced metallization of zinc oxide $\left(\frac{1}{2} \right)^2$	1.1	43
1086	Influence of metal organic chemical vapor deposition growth parameters on the luminescent properties of ZnO thin films deposited on glass substrates. Journal of Applied Physics, 2008, 103, .	1.1	83
1087	Impact of visible light illumination on ultraviolet emission from ZnO nanocrystals. Physical Review B, 2008, 78, .	1.1	39
1088	First-principles calculation of the O vacancy in ZnO: A self-consistent gap-corrected approach. Physical Review B, 2008, 77, .	1.1	137

#	ARTICLE	IF	CITATIONS
1089	The enhancement of ZnO nanowalls photoconductivity induced by CdS nanoparticle modification. Applied Physics Letters, 2008, 93, 233115.	1.5	53
1090	Generation of nitrogen acceptors in ZnO using pulse thermal processing. Applied Physics Letters, 2008, 92, 151112.	1.5	16
1091	X-ray diffraction and photoluminescence studies of zinc oxide films grown on silicon substrates by dc reactive magnetron sputtering. Powder Diffraction, 2008, 23, S94-S97.	0.4	3
1092	Defect studies of ZnO single crystals electrochemically doped with hydrogen. Journal of Applied Physics, 2008, 103, .	1.1	50
1093	Excimer laser annealing of ZnO nanoparticles for thin film transistor fabrication. , 2008, , .		0
1094	Self-limiting deposition of semiconducting ZnO by pulsed plasma-enhanced chemical vapor deposition. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2009, 27, 761-766.	0.9	14
1095	Synthesis of Tetrapodlike Zinc Oxide Nanostructures by Inductive Heating. IEEE Electron Device Letters, 2009, 30, 1260-1262.	2.2	1
1096	Fabrication of ZnO nanorods by pulsed Nd:YAG laser ablation deposition. Journal of Vacuum Science & Technology B, 2009, 27, 1856.	1.3	4
1097	Preparation and optical characterization of ZnO thin film for optoelectronic applications. , 2009, , .		3
1098	Depth resolved luminescence from oriented ZnO nanowires. Applied Physics Letters, 2009, 95, .	1.5	25
1099	Raman analysis of longitudinal optical phonon-plasmon coupled modes of aligned ZnO nanorods. Journal of Applied Physics, 2009, 105, .	1.1	59
1100	Power dependent photoluminescence of ZnO. Journal of Applied Physics, 2009, 106, .	1.1	14
1101	A NOVEL METHOD FOR PREPARING ZnSnO NANOFIBERS. Modern Physics Letters B, 2009, 23, 2755-2761.	1.0	0
1102	Photoconductivity, dark-conductivity and photoluminescence study of hydrothermally synthesized ZnO nanoparticles. , 2009, , .		4
1103	Annealing effect on structure and green emission of ZnO nanopowder by decomposing precursors. Chinese Physics B, 2009, 18, 5024-5028.	0.7	2
1105	Influence of temperature and illumination on surface barrier of individual ZnO nanowires. Journal of Chemical Physics, 2009, 130, 084708.	1.2	15
1106	Comparison of Ultraviolet Photo-Field Effects between Hydrogenated Amorphous Silicon and Amorphous InGaZnO ₄ Thin-Film Transistors. Japanese Journal of Applied Physics, 2009, 48, 010203.	0.8	114
1107	Metallorganic Chemical Vapor Deposition of ZnO Nanowires from Zinc Acetylacetonate and Oxygen. Journal of the Electrochemical Society, 2009, 156, H52.	1.3	20

#	ARTICLE	IF	CITATIONS
1108	Structure morphologies and luminescence properties of ZnO nanomaterials synthesized by an acidic solution process. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 215401.	1.3	11
1109	Facile fabrication of UV photodetectors based on ZnO nanorod networks across trenced electrodes. <i>Journal of Semiconductors</i> , 2009, 30, 063004.	2.0	28
1110	Investigation on the origin of green light emission in ZnO bulk materials. <i>International Journal of Materials and Product Technology</i> , 2009, 34, 360.	0.1	2
1111	Enhanced ultraviolet electroluminescence from p-Si ⁿ -ZnO nanorod array heterojunction. <i>Journal of Vacuum Science & Technology B</i> , 2009, 27, 618-621.	1.3	14
1112	Optical and electrical properties of amorphous InGaZnO. <i>Journal of Vacuum Science & Technology B</i> , 2009, 27, 1746-1748.	1.3	27
1113	Comparative study on structural and optical properties of ZnO films grown by metalorganic molecular beam deposition and metalorganic chemical vapor deposition. <i>Journal of Vacuum Science & Technology B</i> , 2009, 27, 1609-1614.	1.3	2
1114	Growth of ZnO films on R-plane sapphire substrates by atmospheric-pressure chemical vapor deposition using Zn powder and H ₂ O as source materials. <i>Journal of Vacuum Science & Technology B</i> , 2009, 27, 1646.	1.3	6
1115	n-type, p-type and semi-insulating ZnO:N thin film growth by metal organic chemical vapor deposition with NH ₃ doping. <i>Journal of Vacuum Science & Technology B</i> , 2009, 27, 1904-1908.	1.3	8
1116	Oxygen effects on radiation hardness of ZnO thin films. <i>Journal of Vacuum Science & Technology B</i> , 2009, 27, 2232.	1.3	5
1117	Tailoring the visible photoluminescence of mass-produced ZnO nanowires. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 095401.	1.3	40
1118	Synthesis of Lotus-Leaf-Shaped and Four-Footed ZnO Nanostructure on a Large Scale. <i>Japanese Journal of Applied Physics</i> , 2009, 48, 091101.	0.8	3
1119	Density control of ZnO nanowires grown using Au-PMMA nanoparticles and their growth behavior. <i>Nanotechnology</i> , 2009, 20, 085601.	1.3	16
1120	Three-Dimensional Zinc Oxide Nanorod Networks. <i>Advanced Materials Research</i> , 2009, 79-82, 457-460.	0.3	0
1121	Hybrid light-emitting diodes based on flexible sheets of mass-produced ZnO nanowires. <i>Nanotechnology</i> , 2009, 20, 445203.	1.3	34
1122	Different Shapes of Nano-ZnO Crystals Grown in Catalyst-Free DC Plasma. <i>Plasma Science and Technology</i> , 2009, 11, 564-568.	0.7	4
1123	Conductivity enhancement by slight indium doping in ZnO nanowires for optoelectronic applications. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 165406.	1.3	82
1124	Effect of annealing temperature and pH on morphology and optical property of highly dispersible ZnO nanoparticles. <i>Materials Characterization</i> , 2009, 60, 1305-1310.	1.9	30
1125	Disk-capped multipod arrays of zinc oxide. <i>Materials Chemistry and Physics</i> , 2009, 113, 115-118.	2.0	6

#	ARTICLE	IF	CITATIONS
1126	Synthesis of ZnO nanowires by thermal decomposition of zinc acetate dihydrate. <i>Materials Chemistry and Physics</i> , 2009, 113, 334-337.	2.0	210
1127	Temperature-controlled growth and optical properties of ZnO nanorods with quadrangular and hexagonal cross sections. <i>Materials Chemistry and Physics</i> , 2009, 115, 799-803.	2.0	19
1128	Synthesis of three-dimensional ZnO superstructures by a one-pot solution process. <i>Materials Chemistry and Physics</i> , 2009, 117, 4-8.	2.0	8
1129	Synthesis of cup-like ZnO microcrystals via a CTAB-assisted hydrothermal route. <i>Materials Chemistry and Physics</i> , 2009, 117, 422-424.	2.0	20
1130	Effects of low-energy hydrogen ion implantation on optical properties of ZnO nanowires. <i>Materials Research Bulletin</i> , 2009, 44, 41-44.	2.7	14
1131	In situ formation of Mn-doped ZnO aligned structures by rapid heating method. <i>Materials Letters</i> , 2009, 63, 212-214.	1.3	15
1132	Controlled synthesis and characterization of 10Ånm thick Al ₂ O ₃ nanowires. <i>Materials Letters</i> , 2009, 63, 1016-1018.	1.3	14
1133	Temperature induced hierarchical growth of ZnO microcrystal. <i>Materials Letters</i> , 2009, 63, 1057-1060.	1.3	12
1134	Synthesis, characterization and its visible-light-induced photocatalytic property of carbon doped ZnO. <i>Materials Letters</i> , 2009, 63, 1747-1749.	1.3	66
1135	Growth and optical properties for non-catalytically grown ZnO micro-tubules by simple thermal evaporation. <i>Materials Letters</i> , 2009, 63, 2019-2021.	1.3	7
1136	Sol-gel derived N-doped ZnO thin films. <i>Materials Letters</i> , 2009, 63, 2246-2248.	1.3	58
1137	Hall mobilities of Al- and Ga-doped ZnO polycrystals. <i>Materials Letters</i> , 2009, 63, 2470-2472.	1.3	36
1138	Characterization and optical properties of ZnO nanoparticles obtained by oxidation of Zn nanoparticles. <i>Materials Letters</i> , 2009, 63, 2533-2535.	1.3	22
1139	Synthesis and Structure-Property Correlation in Shape-Controlled ZnO Nanoparticles Prepared by Chemical Vapor Synthesis and their Application in Dye-Sensitized Solar Cells. <i>Advanced Functional Materials</i> , 2009, 19, 875-886.	7.8	67
1140	Observation of a 2D Electron Gas and the Tuning of the Electrical Conductance of ZnO Nanowires by Controllable Surface Band-Bending. <i>Advanced Functional Materials</i> , 2009, 19, 2380-2387.	7.8	43
1141	Stable Blue- and Green-Emitting Zinc Oxide from Ionic Liquid Crystal Precursors. <i>ChemPhysChem</i> , 2009, 10, 3201-3203.	1.0	27
1142	Low temperature hydrothermal growth and optical properties of ZnO nanorods. <i>Crystal Research and Technology</i> , 2009, 44, 87-91.	0.6	73
1143	Hydrothermal synthesis of hollow twinning ZnO microstructures. <i>Crystal Research and Technology</i> , 2009, 44, 373-378.	0.6	12

#	ARTICLE	IF	CITATIONS
1144	Structural and photoluminescence properties of GaN/ZnO core-shell nanowires with their shells sputtered. <i>Crystal Research and Technology</i> , 2009, 44, 636-640.	0.6	11
1145	Solvothermal growth of highly oriented wurtzite-structured ZnO nanotube arrays on zinc foil. <i>Crystal Research and Technology</i> , 2009, 44, 619-623.	0.6	23
1146	Plasma-Enhanced Atomic Layer Deposition of Semiconductor Grade ZnO Using Dimethyl Zinc. <i>Chemical Vapor Deposition</i> , 2009, 15, 15-20.	1.4	43
1147	A Study of the Influence of Composition on the Microstructural Properties of ZnO/Al ₂ O ₃ Mixed Oxides. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 910-921.	1.0	32
1148	Nanocomposites of Size-Tunable ZnO-Nanoparticles and Amphiphilic Hyperbranched Polymers. <i>Macromolecular Rapid Communications</i> , 2009, 30, 579-583.	2.0	26
1149	Study on luminescence characteristic of the ZnO/polymer hybrid films. <i>Colloid and Polymer Science</i> , 2009, 287, 533-540.	1.0	20
1150	Surface plasmon resonance biosensor based on water-soluble ZnO-Au nanocomposites. <i>Analytica Chimica Acta</i> , 2009, 653, 109-115.	2.6	33
1151	Auger and photoluminescence analysis of ZnO nanowires grown on AlN thin film. <i>Applied Surface Science</i> , 2009, 255, 6985-6988.	3.1	27
1152	Synthesis, characterization and optical properties of multipod ZnO whiskers. <i>Applied Surface Science</i> , 2009, 255, 8667-8671.	3.1	11
1153	Chemical enhancer induced changes in the mechanisms of transdermal delivery of zinc oxide nanoparticles. <i>Biomaterials</i> , 2009, 30, 3002-3008.	5.7	92
1154	Spatial distribution of defect in ZnO nanodisks. <i>Current Applied Physics</i> , 2009, 9, 573-576.	1.1	12
1155	A study on the Raman spectra of Al-doped and Ga-doped ZnO ceramics. <i>Current Applied Physics</i> , 2009, 9, 651-657.	1.1	73
1156	In situ study of epitaxial growth of ZnO nanowires at the junctions of nanowall networks on zinc particles. <i>Micron</i> , 2009, 40, 302-307.	1.1	6
1157	Role of solute and solvent on the deposition of ZnO thin films. <i>Electrochimica Acta</i> , 2009, 54, 4015-4024.	2.6	34
1158	Effects of ZnO nanopowder dispersion on photocatalytic reactions for the removal of Ag ⁺ ions from aqueous solution. <i>Journal of Electroceramics</i> , 2009, 22, 105-109.	0.8	9
1159	Effects of sputtering pressure and thickness on properties of ZnO:Al films deposited on polymer substrates. <i>Journal of Electroceramics</i> , 2009, 23, 512-518.	0.8	46
1160	Variation of optical band gap in anodically grown nanocrystalline ZnO thin films at room temperature-effect of electrolyte concentrations. <i>Journal of Materials Science: Materials in Electronics</i> , 2009, 20, 1203-1207.	1.1	16
1161	Synthesis of ZnO nanostructures with controlled morphology and size in ionic liquids. <i>Journal of Nanoparticle Research</i> , 2009, 11, 861-868.	0.8	55

#	ARTICLE	IF	CITATIONS
1162	Catalytic synthesis of ZnO nanorods on patterned silicon wafer—An optimum material for gas sensor. Bulletin of Materials Science, 2009, 32, 493-498.	0.8	13
1163	Low temperature doping of ZnO nanostructures. Science in China Series D: Earth Sciences, 2009, 52, 318-323.	0.9	2
1164	Self-catalyst synthesis of aligned ZnO nanorods by pulsed laser deposition. Science in China Series G: Physics, Mechanics and Astronomy, 2009, 52, 207-211.	0.2	5
1165	Controlling growth of ZnO nanostructures via a solution route. Journal Wuhan University of Technology, Materials Science Edition, 2009, 24, 249-253.	0.4	2
1166	Growth of Comb-like ZnO Nanostructures for Dye-sensitized Solar Cells Applications. Nanoscale Research Letters, 2009, 4, 1004-1008.	3.1	84
1167	Fabrication of ZnO nanorods for optoelectronic device applications. Indian Journal of Physics, 2009, 83, 553-558.	0.9	21
1168	Efficient synthesis of ZnO nanoparticles, nanowalls, and nanowires by thermal decomposition of zinc acetate at a low temperature. Applied Physics A: Materials Science and Processing, 2009, 94, 241-245.	1.1	53
1169	Fabrication, structural characterization, and photoluminescence of Ga-doped ZnO nanobelts. Applied Physics A: Materials Science and Processing, 2009, 94, 799-803.	1.1	19
1170	Melt-mediated coalescence of solution-deposited ZnO nanoparticles by excimer laser annealing for thin-film transistor fabrication. Applied Physics A: Materials Science and Processing, 2009, 94, 111-115.	1.1	79
1171	Synthesis and optical properties of nanocrystalline ZnO powders prepared by a direct thermal decomposition route. Applied Physics A: Materials Science and Processing, 2009, 94, 755-761.	1.1	55
1172	ZnO—CuO core—shell nanorods and CuO-nanoparticle—ZnO-nanorod integrated structures. Applied Physics A: Materials Science and Processing, 2009, 95, 813-818.	1.1	29
1173	Multi-photon induced ultraviolet emission from hexagram-shaped ZnO nanorods. Applied Physics A: Materials Science and Processing, 2009, 95, 381-385.	1.1	11
1174	Controlled visible photoluminescence of ZnO thin films prepared by RF magnetron sputtering. Applied Physics A: Materials Science and Processing, 2009, 96, 783-787.	1.1	16
1175	Surface enhanced Raman scattering and photoluminescence properties of catalytic grown ZnO nanostructures. Applied Physics A: Materials Science and Processing, 2009, 96, 805-811.	1.1	41
1176	ZnO nanowire field-effect transistor as a UV photodetector; optimization for maximum sensitivity. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 179-182.	0.8	65
1177	Electrical resistivity and photoluminescence of zinc oxide films prepared by ultrasonic spray pyrolysis. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 106-115.	0.8	45
1178	Effect of concentration of hexamethylene tetramine on the structural morphology and optical properties of ZnO microrods grown by low-temperature solution approach. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 1515-1519.	0.8	14
1179	Homoepitaxial growth of high-quality nonpolar ZnO films by MOCVD and evaluation of the homoepitaxial ZnO films by XRD measurement for asymmetric planes. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 944-947.	0.8	11

#	ARTICLE	IF	CITATIONS
1180	Photoluminescence and electrical properties of epitaxial Al-doped ZnO transparent conducting thin films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 2133-2138.	0.8	14
1181	Room-temperature ferromagnetism of Cu-doped ZnO films deposited by helicon magnetron sputtering. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 1243-1247.	0.7	14
1182	Deposition of ZnO Films by Combustion Flame Pyrolysis of Solution Precursors. <i>International Journal of Applied Ceramic Technology</i> , 2010, 7, 482-492.	1.1	0
1183	Trends for the crystallinity, optical and electrical properties of post-thermal annealed ZnO nanorods. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2009, 164, 80-84.	1.7	9
1184	Biosynthesis of cathodoluminescent zinc oxide replicas using butterfly (<i>Papilio paris</i>) wing scales as templates. <i>Materials Science and Engineering C</i> , 2009, 29, 92-96.	3.8	30
1185	Photoluminescence and thermoluminescence of ZnO nano-needle arrays and films. <i>Optical Materials</i> , 2009, 31, 876-880.	1.7	24
1186	Synthesis and photoluminescence of Eu-doped ZnO microrods prepared by hydrothermal method. <i>Optical Materials</i> , 2009, 31, 1502-1505.	1.7	75
1187	Spectra of ZnO nanoparticles under low photon energy excitation. <i>Particuology</i> , 2009, 7, 496-500.	2.0	4
1188	Characterization of photovoltage evolution of ZnO films using a scanning Kelvin probe system. <i>Physica B: Condensed Matter</i> , 2009, 404, 2197-2201.	1.3	17
1189	Growth and electrical properties of ZnO nanorod arrays prepared by chemical spray pyrolysis. <i>Physica B: Condensed Matter</i> , 2009, 404, 4422-4425.	1.3	32
1190	Nanorods and nanopipsticks structured ZnO photoelectrode for dye-sensitized solar cells. <i>Electrochemistry Communications</i> , 2009, 11, 1756-1759.	2.3	25
1191	Nitrogen-doped p-type ZnO thin films and ZnO/ZnSe p-n heterojunctions grown on ZnSe substrate by radical beam gettering epitaxy. <i>Thin Solid Films</i> , 2009, 517, 4318-4321.	0.8	10
1192	Growth and optical and field emission properties of flower-like ZnO nanostructures with hexagonal crown. <i>Thin Solid Films</i> , 2009, 517, 4385-4389.	0.8	11
1193	On-chip fabrication of ZnO-nanowire gas sensor with high gas sensitivity. <i>Sensors and Actuators B: Chemical</i> , 2009, 138, 168-173.	4.0	303
1194	Luminescence response of ZnO nanowires to gas adsorption. <i>Sensors and Actuators B: Chemical</i> , 2009, 140, 461-466.	4.0	65
1195	Synthesis of nanostructured Al-doped zinc oxide films on Si for solar cells applications. <i>Solar Energy Materials and Solar Cells</i> , 2009, 93, 1417-1422.	3.0	109
1196	Synthesis and evolution of hollow ZnO microspheres assisted by Zn powder precursor. <i>Solid State Communications</i> , 2009, 149, 456-460.	0.9	11
1197	Fabrication of ZnO thin film-nanowires hybrid homojunction on silicon substrate. <i>Solid State Communications</i> , 2009, 149, 1337-1341.	0.9	23

#	ARTICLE	IF	CITATIONS
1198	Properties of ZnO:Al films deposited on polycarbonate substrate. <i>Vacuum</i> , 2009, 83, 1435-1437.	1.6	18
1199	Field emission characteristics from tapered ZnO nanostructures grown onto vertically aligned carbon nanotubes. <i>Vacuum</i> , 2009, 84, 534-536.	1.6	5
1200	Synthesis of stable dispersion of ZnO quantum dots in aqueous medium showing visible emission from bluish green to yellow. <i>Journal of Luminescence</i> , 2009, 129, 320-324.	1.5	116
1201	Luminescence studies and formation mechanism of symmetrically dispersed ZnO quantum dots embedded in SiO ₂ matrix. <i>Journal of Luminescence</i> , 2009, 129, 605-610.	1.5	41
1202	Abnormal blueshift of UV emission in single-crystalline ZnO nanowires. <i>Journal of Luminescence</i> , 2009, 129, 996-999.	1.5	32
1203	Effect of Ag doping on the photoluminescence properties of ZnO films. <i>Journal of Luminescence</i> , 2009, 129, 969-972.	1.5	25
1204	Luminescence enhancement of ZnO nanoparticles on metal surface. <i>Journal of Luminescence</i> , 2009, 129, 1759-1761.	1.5	16
1205	Strong violet luminescence from ZnO nanocrystals grown by the low-temperature chemical solution deposition. <i>Journal of Luminescence</i> , 2009, 129, 1099-1104.	1.5	41
1206	Structural characterization of Zn _{1-x} Cd _x O (0 ≤ x ≤ 0.20) microrods grown by spray pyrolysis. <i>Materials Science in Semiconductor Processing</i> , 2009, 12, 118-121.	1.9	6
1207	ZnO nanocrystals/SiO ₂ multilayer structures fabricated by RF-magnetron sputtering. <i>Physica B: Condensed Matter</i> , 2009, 404, 4827-4830.	1.3	10
1208	Controlled synthesis, optical and electronic properties of Eu ³⁺ doped yttrium oxysulfide (Y ₂ O ₂ S) nanostructures. <i>Journal of Colloid and Interface Science</i> , 2009, 336, 889-897.	5.0	33
1209	A new approach to synthesize ZnO tetrapod-like nanoparticles with DC thermal plasma technique. <i>Journal of Crystal Growth</i> , 2009, 311, 1378-1384.	0.7	23
1210	The synthesis of Sn-doped ZnO nanowires on ITO substrate and their optical properties. <i>Journal of Crystal Growth</i> , 2009, 311, 2466-2469.	0.7	16
1211	Growth of high-quality ZnO single crystals by seeded CVT using the newly designed ampoule. <i>Journal of Crystal Growth</i> , 2009, 311, 3609-3612.	0.7	16
1212	Cathodoluminescence of epitaxial GaN and ZnO thin films for scintillator applications. <i>Journal of Crystal Growth</i> , 2009, 311, 3984-3988.	0.7	12
1213	Size control of ZnO nanostructures formed in different temperature zones by varying Ar flow rate with tunable optical properties. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009, 41, 500-505.	1.3	31
1214	Effects of Al dopants on the microstructures and optical properties of ZnO nanofibers prepared by electrospinning. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009, 41, 705-710.	1.3	22
1215	ZnO nanostructures growth with silver catalyst—Effect of annealing. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009, 41, 792-796.	1.3	12

#	ARTICLE	IF	CITATIONS
1216	ZnO nanoparticles embedded in UVM-7-like mesoporous silica materials: Synthesis and characterization. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009, 42, 25-31.	1.3	17
1217	Effect of the morphology on the optical properties of ZnO nanostructures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009, 42, 116-119.	1.3	91
1218	Quasi-one dimensional metal oxide semiconductors: Preparation, characterization and application as chemical sensors. <i>Progress in Materials Science</i> , 2009, 54, 1-67.	16.0	582
1219	Doping dependent room-temperature ferromagnetism and structural properties of dilute magnetic semiconductor ZnO:Cu ²⁺ nanorods. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 4001-4005.	1.0	118
1220	Template-free polyoxometalate-assisted synthesis for ZnO hollow spheres. <i>Journal of Solid State Chemistry</i> , 2009, 182, 1149-1155.	1.4	46
1221	pH- and mol-ratio dependent formation of zinc(II) coordination polymers with iminodiacetic acid: Synthesis, spectroscopic, crystal structure and thermal studies. <i>Journal of Solid State Chemistry</i> , 2009, 182, 2698-2706.	1.4	29
1222	Zinc oxide nanostructures derived from a simple solution method for solar cells and LEDs. <i>Chemical Engineering Journal</i> , 2009, 155, 910-915.	6.6	22
1223	Structural and photoluminescence of Mn-doped ZnO single-crystalline nanorods grown via solvothermal method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 349, 202-206.	2.3	57
1224	Preparation, optical properties, magnetic properties and thermal stability of core-shell structure cobalt/zinc oxide nanocomposites. <i>Applied Surface Science</i> , 2009, 255, 4050-4055.	3.1	16
1225	Effect of annealing atmosphere on the photoluminescence of ZnO nanospheres. <i>Applied Surface Science</i> , 2009, 255, 4801-4805.	3.1	50
1226	Formation of Al-N co-doped p-ZnO/n-Si (100) heterojunction structure by RF co-sputtering technique. <i>Applied Surface Science</i> , 2009, 256, 1329-1332.	3.1	19
1227	Effect of S- and Sn-doping to the optical properties of ZnO nanobelts. <i>Applied Surface Science</i> , 2009, 255, 9376-9380.	3.1	76
1228	Fabrication and characterization of ZnO and ZnMgO nanostructures grown using a ZnO/ZnMgO compound as the source material. <i>Applied Surface Science</i> , 2009, 256, 329-334.	3.1	28
1229	Relationship between the photoluminescence and conductivity of undoped ZnO thin films grown with various oxygen pressures. <i>Applied Surface Science</i> , 2009, 256, 792-796.	3.1	61
1230	Photoluminescence in quasi-amorphous Pb _{0.8} X _{0.2} Zr _{0.53} Ti _{0.47} O ₃ (X=Ca, Sr and Ba) powders: An optical and structural study. <i>Chemical Physics Letters</i> , 2009, 475, 96-100.	1.2	7
1231	Correlation between the microstructure and the origin of the green luminescence in ZnO: A case study on the thin films and nanowires. <i>Chemical Physics Letters</i> , 2009, 476, 262-266.	1.2	51
1232	Bulk synthesis route of the oriented arrays of tip-shape ZnO nanowires and an investigation of their sensing capabilities. <i>Chemical Physics Letters</i> , 2009, 480, 105-109.	1.2	24
1233	A method for electrochemical growth of homogeneous nanocrystalline ZnO thin films at room temperature. <i>Electrochimica Acta</i> , 2009, 54, 7558-7564.	2.6	46

#	ARTICLE	IF	CITATIONS
1234	Nanostructures and luminescence properties of porous ZnO thin films prepared by sol-gel process. <i>Current Applied Physics</i> , 2009, 9, 643-646.	1.1	21
1235	Optical properties of ZnO nanoparticles embedded in a silicon nitride layer formed by sputtering and thermal treatment. <i>Current Applied Physics</i> , 2009, 9, e173-e175.	1.1	3
1236	Anchoring zinc oxide quantum dots on functionalized multi-walled carbon nanotubes by covalent coupling. <i>Carbon</i> , 2009, 47, 1214-1219.	5.4	38
1237	Electrical, structural, photoluminescence and optical properties of p-type conducting, antimony-doped SnO ₂ thin films. <i>Acta Materialia</i> , 2009, 57, 278-285.	3.8	119
1238	High-density arrays of low-defect-concentration zinc oxide nanowire grown on transparent conducting oxide glass substrate by chemical vapor deposition. <i>Acta Materialia</i> , 2009, 57, 1813-1820.	3.8	15
1239	Structural, morphological and photoluminescence properties of W-doped ZnO nanostructures. <i>Applied Surface Science</i> , 2009, 255, 7314-7318.	3.1	47
1240	Photoluminescence and ZnO → Eu ³⁺ energy transfer in Eu ³⁺ -doped ZnO nanospheres. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 085106.	1.3	46
1241	Fabrication and analysis of Cr-doped ZnO nanoparticles from the gas phase. <i>Nanotechnology</i> , 2009, 20, 135604.	1.3	38
1242	Nanocrystalline Metal Chalcogenides Obtained Open to Air: Synthesis, Morphology, Mechanism, and Optical Properties. <i>Journal of Physical Chemistry C</i> , 2009, 113, 15492-15496.	1.5	31
1243	Defects in ZnO. <i>Journal of Applied Physics</i> , 2009, 106, .	1.1	969
1244	Thermolytic Growth of ZnO Nanocrystals: Morphology Control and Optical Properties. <i>Crystal Growth and Design</i> , 2009, 9, 297-300.	1.4	49
1245	ZnO Nanorod/TiO ₂ -Nanoparticulate Electrode for Dye-Sensitized Solar Cells. <i>Japanese Journal of Applied Physics</i> , 2009, 48, 125003.	0.8	14
1246	Tyrosinase Immobilization on ZnO Nanorods for Phenol Detection. <i>Journal of Physical Chemistry B</i> , 2009, 113, 377-381.	1.2	85
1247	Morphology Evolution of One-Dimensional-Based ZnO Nanostructures Synthesized via Electrochemical Corrosion. <i>Journal of Physical Chemistry C</i> , 2009, 113, 15514-15523.	1.5	13
1248	Synthesis, Optical Properties, and Ethanol-Sensing Properties of Bicone-like ZnO Microcrystals via a Simple Solution Method. <i>Journal of Physical Chemistry C</i> , 2009, 113, 12016-12021.	1.5	23
1249	Communication via Electron and Energy Transfer between Zinc Oxide Nanoparticles and Organic Adsorbates. <i>Journal of Physical Chemistry C</i> , 2009, 113, 4669-4678.	1.5	59
1250	Influences of Substrate and Annealing on the Structural and Optical Properties and Photoluminescence of Nanocrystalline ZnO Films Prepared by Plasma Assisted Pulsed Laser Deposition. <i>Journal of Physical Chemistry C</i> , 2009, 113, 19139-19144.	1.5	41
1251	Crystal Growth of Nonpolar m-Plane ZnO on a Lattice-Matched (100) β -LiAlO ₂ Substrate. <i>Crystal Growth and Design</i> , 2009, 9, 2073-2078.	1.4	31

#	ARTICLE	IF	CITATIONS
1252	Catalyst-Free Growth of Vertical Alignment ZnO Nanowire Arrays by a Two-Stage Process. <i>Journal of Physical Chemistry C</i> , 2009, 113, 21572-21576.	1.5	23
1253	Structural Regulation and Optical Properties of One-Dimensional ZnO Nanomaterials in Situ Grown from and on Brass Substrates. <i>Journal of Physical Chemistry C</i> , 2009, 113, 170-173.	1.5	32
1254	Photoluminescence and electrical transport characteristics of ZnO nanorods grown by vapor-solid technique. <i>Journal of Applied Physics</i> , 2009, 106, .	1.1	22
1255	Phosphorus Doped Zn _{1-x} Mg _x O Nanowire Arrays. <i>Nano Letters</i> , 2009, 9, 3877-3882.	4.5	63
1256	Size-Controlled Submicrometer Hollow Spheres Constituted of ZnO Nanoplates from Layered Zinc Hydroxide. <i>Inorganic Chemistry</i> , 2009, 48, 8544-8549.	1.9	11
1257	Self-catalytic Synthesis, Structures, and Properties of High-Quality Tetrapod-Shaped ZnO Nanostructures. <i>Crystal Growth and Design</i> , 2009, 9, 1863-1868.	1.4	31
1258	Electronic properties of ZnO field-effect transistors fabricated by spray pyrolysis in ambient air. <i>Applied Physics Letters</i> , 2009, 95, 133507.	1.5	65
1259	Synthesis and Characterization of Highly Faceted (Zn,Cd)O Nanorods with Nonhexagonal Cross Sections. <i>Crystal Growth and Design</i> , 2009, 9, 5043-5048.	1.4	5
1260	Laser ablated nanostructured tin oxide thin films for optoelectronic device applications. , 2009, , .		0
1261	Low temperature solution-synthesis and photoluminescence properties of ZnO nanowires. <i>Journal of Alloys and Compounds</i> , 2009, 467, 342-346.	2.8	16
1262	Preparation and characterization of hollow glass microspheres/ZnO composites. <i>Journal of Alloys and Compounds</i> , 2009, 469, L1-L5.	2.8	6
1263	Effect of annealing on structural and optical properties of zinc oxide thin film deposited by successive ionic layer adsorption and reaction technique. <i>Journal of Alloys and Compounds</i> , 2009, 469, 56-60.	2.8	77
1264	Morphology conversion and highly enhanced green emission of ZnO phosphors by annealing of ZnS in KCl flux. <i>Journal of Alloys and Compounds</i> , 2009, 470, 536-538.	2.8	3
1265	Influence of Fe doping on the optical property of ZnO films. <i>Journal of Alloys and Compounds</i> , 2009, 473, 319-322.	2.8	53
1266	Structural and luminescent properties of ZnO nanorods and ZnO/ZnS nanocomposites. <i>Journal of Alloys and Compounds</i> , 2009, 474, 531-535.	2.8	46
1267	Growth mechanism and optical properties of ZnO nanotube by the hydrothermal method on Si substrates. <i>Journal of Alloys and Compounds</i> , 2009, 475, 741-744.	2.8	44
1268	A simple approach for the growth of highly ordered ZnO nanotube arrays. <i>Journal of Alloys and Compounds</i> , 2009, 476, 903-907.	2.8	29
1269	In situ synthesis of ZnO nanostructures on a zinc substrate assisted with mixed cationic/anionic surfactants. <i>Journal of Alloys and Compounds</i> , 2009, 477, 364-369.	2.8	11

#	ARTICLE	IF	CITATIONS
1270	ZnO nanotriangles: Synthesis, characterization and optical properties. Journal of Alloys and Compounds, 2009, 476, 908-912.	2.8	131
1271	Self-assembly of solid or tubular ZnO rods into twinning microprisms via a hydrothermal route. Journal of Alloys and Compounds, 2009, 478, 550-553.	2.8	23
1272	Dependence of photoluminescence peaks and ZnO nanowires diameter grown on silicon substrates at different temperatures and orientations. Journal of Alloys and Compounds, 2009, 479, L11-L14.	2.8	72
1273	Oriented ZnO nanoplates on Al substrate by solution growth technique. Journal of Alloys and Compounds, 2009, 480, 741-746.	2.8	54
1274	Electrostatic spray deposited polycrystalline zinc oxide films for ultraviolet luminescence device applications. Journal of Alloys and Compounds, 2009, 481, 735-739.	2.8	35
1275	Effect of different annealing atmospheres on the structure and optical properties of ZnO nanoparticles. Journal of Alloys and Compounds, 2009, 485, 743-746.	2.8	22
1276	Tuning of ultra-violet to green emission by choosing suitable excitation wavelength in ZnO: Quantum dot, nanocrystals and bulk. Journal of Alloys and Compounds, 2009, 487, 466-471.	2.8	20
1277	Zinc oxidenanowires: controlled low temperature growth and some electrochemical and optical nano-devices. Journal of Materials Chemistry, 2009, 19, 1006-1018.	6.7	122
1278	ZnO glass-ceramics: An alternative way to produce semiconductor materials. Applied Physics Letters, 2009, 94, .	1.5	43
1279	Selectively enhanced band gap emission in ZnO/Ag ₂ O nanocomposites. Optics Express, 2009, 17, 4342.	1.7	35
1280	Optical Properties and Photocatalytic Performances of Pd Modified ZnO Samples. Journal of Physical Chemistry C, 2009, 113, 18761-18767.	1.5	127
1281	Size-Controlled Synthesis and Optical Properties of Small-Sized ZnO Nanorods. Journal of Physical Chemistry C, 2009, 113, 7497-7502.	1.5	78
1282	Annealing effects on optical properties of low temperature grown ZnO nanorod arrays. Journal of Applied Physics, 2009, 105, .	1.1	123
1283	Zinc Oxide Nanocrystals Stabilized by Alkylammonium Alkylcarbamates. Langmuir, 2009, 25, 13133-13141.	1.6	33
1284	Role of Concentration on the Formulation of Zinc Oxide Nanorods from Poly(styrene-alt-maleic acid) Template. Journal of Physical Chemistry C, 2009, 113, 18578-18583.	1.5	17
1285	Growth of ZnO nanowires catalyzed by size-dependent melting of Au nanoparticles. Nanotechnology, 2009, 20, 405603.	1.3	40
1286	Synthesis, Characterization, and Photocatalytic Application of Different ZnO Nanostructures in Array Configurations. Crystal Growth and Design, 2009, 9, 3222-3227.	1.4	116
1287	Growth of Highly <i>c</i> -Axis-Oriented ZnO Nanorods on ZnO/Glass Substrate: Growth Mechanism, Structural, and Optical Properties. Journal of Physical Chemistry C, 2009, 113, 14715-14720.	1.5	77

#	ARTICLE	IF	CITATIONS
1288	Synthesis, optical and gas sensitive properties of large-scale aggregative flowerlike ZnO nanostructures via simple route hydrothermal process. Journal Physics D: Applied Physics, 2009, 42, 045103.	1.3	49
1289	Raman scattering and band-gap variations of Al-doped ZnO nanoparticles synthesized by a chemical colloid process. Journal Physics D: Applied Physics, 2009, 42, 095420.	1.3	63
1290	Optical properties of well-crystallized and size-tuned ZnO quantum dots. Applied Physics Letters, 2009, 94, .	1.5	19
1291	The synthesis and electrical characterization of Cu ₂ O/Al:ZnO radial p-n junction nanowire arrays. Nanotechnology, 2009, 20, 365603.	1.3	32
1292	Design of Solution-Grown ZnO Nanostructures. , 2009, , 77-125.		15
1293	High-Quality ZnO Nanowire Arrays Directly Fabricated from Photoresists. ACS Nano, 2009, 3, 53-58.	7.3	74
1294	Aligned ZnO Nanorod Arrays Grown Directly on Zinc Foils and Zinc Spheres by a Low-Temperature Oxidization Method. ACS Nano, 2009, 3, 273-278.	7.3	108
1295	ZnO NANOPARTICLES PREPARED IN THE PRESENCE OF ADDITIVES BY THERMAL DECOMPOSITION METHOD. International Journal of Nanoscience, 2009, 08, 465-472.	0.4	11
1296	Flower-like In ₂ O ₃ Nanostructures Derived from Novel Precursor: Synthesis, Characterization, and Formation Mechanism. Journal of Physical Chemistry C, 2009, 113, 7714-7718.	1.5	67
1297	Key Growth Parameters for the Electrodeposition of ZnO Films with an Intense UV-Light Emission at Room Temperature. Journal of Physical Chemistry C, 2009, 113, 10422-10431.	1.5	107
1298	Growth and photoluminescence of vertically aligned ZnO nanowires/nanowalls. Journal Physics D: Applied Physics, 2009, 42, 135415.	1.3	4
1299	Cationic and Anionic Surface Binding Sites on Nanocrystalline Zinc Oxide: Surface Influence on Photoluminescence and Photocatalysis. Journal of the American Chemical Society, 2009, 131, 4397-4404.	6.6	123
1300	Template directed synthesis of mesoporous ZnO having high porosity and enhanced optoelectronic properties. Chemical Communications, 2009, , 2384.	2.2	87
1301	Correlation between Morphology and Defect Luminescence in Precipitated ZnO Nanorod Powders. Crystal Growth and Design, 2009, 9, 997-1001.	1.4	57
1302	Synthesis and photoluminescence of quasi-arrayed ZnMgO nanorods. Journal Physics D: Applied Physics, 2009, 42, 115411.	1.3	15
1303	X-ray diffraction of Mg _x Zn _{1-x} O and ZnO nanocrystals under high pressure. Journal of Applied Physics, 2009, 106, 013511.	1.1	16
1304	Optical and Electrical Properties of TiO ₂ Nanotubes Grown by Titanium Anodization. Materials Research Society Symposia Proceedings, 2009, 1178, 104.	0.1	2
1305	Optical waveguide and cavity effects on whispering-gallery mode resonances in a ZnO nanonail. Applied Physics Letters, 2009, 95, 221105.	1.5	25

#	ARTICLE	IF	CITATIONS
1306	Characterization and Bacterial Response of Zinc Oxide Particles Prepared by a Biomineralization Process. <i>Journal of Physical Chemistry B</i> , 2009, 113, 6047-6053.	1.2	40
1307	Relationship between oxygen defects and the photoluminescence property of ZnO nanoparticles: A spectroscopic view. <i>Journal of Applied Physics</i> , 2009, 106, .	1.1	47
1308	Synthesis and Optical and Magnetic Properties of Diluted Magnetic Semiconductor Zn _{1-x} Mn _x O Hollow Spherical Structures. <i>Journal of Physical Chemistry C</i> , 2009, 113, 1812-1817.	1.5	37
1309	Chemical preparation and photoluminescence of partially Al-substituted MgO-ZnO (s.s.) powders. , 2009, , .		0
1310	ZnO/Si side-to-side biaxial nanowire heterostructures with improved luminescence. <i>Journal of Materials Chemistry</i> , 2009, 19, 7011.	6.7	12
1311	Zinc oxide microspheres grown on Zinc pellet substrate. , 2009, , .		0
1312	The optical and vibrational properties of dominant defects in undoped ZnO: A first-principles study. <i>Journal of Applied Physics</i> , 2009, 105, 083710.	1.1	17
1313	Observation of ultraviolet and visible luminescence due to the presence of defect states in the forbidden bandgap of tin oxide nanowires.. , 2009, , .		1
1314	Synthesis of Au/ZnO and Pt/ZnO nanocomposites by one-step flame spray pyrolysis and its application for photocatalytic degradation of dyes. <i>Catalysis Communications</i> , 2009, 10, 1380-1385.	1.6	179
1315	DNA-templated synthesis of ZnO thin layers and nanowires. <i>Nanotechnology</i> , 2009, 20, 365302.	1.3	30
1316	Fundamentals of zinc oxide as a semiconductor. <i>Reports on Progress in Physics</i> , 2009, 72, 126501.	8.1	3,166
1317	Highly efficient cathodoluminescence from undoped ZnO nanophosphor. <i>Journal of the Society for Information Display</i> , 2009, 17, 1069-1072.	0.8	1
1318	Fabrication of ZnO Nanospikes and Nanopillars on ITO Glass by Templateless Seed-Layer-Free Electrodeposition and Their Field-Emission Properties. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 789-796.	4.0	53
1319	Zinc oxide nanorod based photonic devices: recent progress in growth, light emitting diodes and lasers. <i>Nanotechnology</i> , 2009, 20, 332001.	1.3	572
1320	Investigations on the structural, optical and electronic properties of Nd doped ZnO thin films. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 105410.	1.3	67
1321	Fabrication of Polycrystalline ZnO Nanotubes from the Electrospinning of Zn ²⁺ /Poly(acrylic acid). <i>Crystal Growth and Design</i> , 2009, 9, 4070-4077.	1.4	33
1322	Stable field emission performance from urchin-like ZnO nanostructures. <i>Nanotechnology</i> , 2009, 20, 055706.	1.3	40
1323	Investigation of ultrafast carrier dynamics in ZnO rods using two-photon emission and second harmonic generation microscopy. , 2009, , .		2

#	ARTICLE	IF	CITATIONS
1324	Synthesis of tetrapod-shaped ZnO nanowires by directive oxidation of Al-Zn mixture. Journal of the Ceramic Society of Japan, 2009, 117, 111-114.	0.5	4
1325	Shape tuning of ZnO with ammonium molybdate and their morphology-dependent photoluminescence properties. Journal of Physics: Conference Series, 2009, 188, 012034.	0.3	3
1326	Effect of hydrogen plasma treatment on the luminescence and photoconductive properties of ZnO nanowires. Materials Research Society Symposia Proceedings, 2009, 1206, 130301.	0.1	3
1327	Rapid Annealing of Black ZnO Thin Films Prepared by Pulsed Laser Deposition. Latvian Journal of Physics and Technical Sciences, 2009, 46, 44-48.	0.4	0
1328	Highly crystalline ZnO nanoparticles. International Journal of Nanoparticles, 2009, 2, 30.	0.1	1
1329	Studies on ZnO nanorods. International Journal of Nanoparticles, 2009, 2, 148.	0.1	2
1330	Effects of temperature on ZnO nano- and microspheres: synthesis and optical properties. International Journal of Nanoparticles, 2009, 2, 443.	0.1	1
1331	Coupling dynamics between photoluminescent centers in ZnO and surface plasmons. , 2009, , .		4
1332	Zinc Oxide Nanopolydops Synthesized by Thermal Evaporation of Carbon Nanotubes and Zinc Oxide Mixed Powder. Current Nanoscience, 2010, 6, 45-53.	0.7	14
1333	Rapid ZnO nanopillar array growth by microwave assisted heating. Proceedings of SPIE, 2010, , .	0.8	0
1334	High temperature microwave-assisted synthesis and the physico-chemical characterisation of mesoporous crystalline titania. International Journal of Nanotechnology, 2010, 7, 1065.	0.1	4
1335	Deposition and surface characterization of nanoparticles of zinc oxide using dense plasma focus device in nitrogen atmosphere. Journal of Physics: Conference Series, 2010, 208, 012106.	0.3	3
1336	Fabrication and characterization of ZnO nanowire structure on flexible substrate with different solution molarities. Proceedings of SPIE, 2010, , .	0.8	0
1337	Synthesis and optical property of nanostructured ZnO crystals by nanoparticle-assisted pulsed laser deposition. , 2010, , .		1
1338	Tailoring the luminescence emission of ZnO nanostructures by hydrothermal post-treatment in water. Applied Physics Letters, 2010, 96, 223105.	1.5	35
1339	Effect of post-annealing on structural and optical properties, and elemental distribution in heavy Eu-implanted ZnO thin films. Journal of the Ceramic Society of Japan, 2010, 118, 1087-1089.	0.5	3
1340	Co ²⁺ doped ZnO nanoflowers grown by hydrothermal method. Journal of the Ceramic Society of Japan, 2010, 118, 333-336.	0.5	13
1342	Structural and optical properties of Dy doped ZnO thin films prepared by pyrolysis technique. International Journal of Nanotechnology, 2010, 7, 1087.	0.1	5

#	ARTICLE	IF	CITATIONS
1343	Luminescent and structural properties of ZnO-Ag films. <i>Semiconductors</i> , 2010, 44, 685-690.	0.2	6
1344	Photoluminescence and photoconductive characteristics of hydrothermally synthesized ZnO nanoparticles. <i>Opto-electronics Review</i> , 2010, 18, .	2.4	119
1345	Zinc Oxide Nanostructured Thin Films: Preparation and Characterization. <i>Advanced Structured Materials</i> , 2010, , 355-373.	0.3	0
1346	In situ characterization of optoelectronic nanostructures and nanodevices. <i>Frontiers of Physics in China</i> , 2010, 5, 405-413.	1.0	3
1347	Optical emission and absorption spectra of ZnO core-shell nanostructures. <i>Journal of Experimental Nanoscience</i> , 2010, 5, 134-142.	1.3	21
1348	Nature of room-temperature ferromagnetism from undoped ZnO nanoparticles. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 99, 955-960.	1.1	49
1349	Low-symmetry Td-distorted Co ²⁺ centres in ceramic ZnO:Co. <i>Chemical Physics Letters</i> , 2010, 488, 173-176.	1.2	9
1350	Selective hydrogen gas nanosensor using individual ZnO nanowire with fast response at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2010, 144, 56-66.	4.0	418
1351	Simple fabrication and improved photoresponse of ZnO/Cu ₂ O core-shell heterojunction nanorod arrays. <i>Sensors and Actuators B: Chemical</i> , 2010, 149, 94-97.	4.0	41
1352	Electron-phonon interaction and size effect study in catalyst based zinc oxide thin films. <i>Journal of Molecular Structure</i> , 2010, 984, 186-193.	1.8	27
1353	Study of (100) orientated ZnO films by APCVD system. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 174, 38-41.	1.7	10
1354	Study of the microstructural and photoluminescence properties of Li-doped ZnO thin films prepared by spray pyrolysis. <i>Ionics</i> , 2010, 16, 543-548.	1.2	13
1355	Red luminescence from hydrothermally synthesized Eu-doped ZnO nanoparticles under visible excitation. <i>Bulletin of Materials Science</i> , 2010, 33, 227-231.	0.8	64
1356	Thermoelectric Properties of Nanograined ZnO. <i>Journal of Electronic Materials</i> , 2010, 39, 2059-2063.	1.0	50
1357	Effect of Surfactants on the Structure and Morphology of Magnesium Borate Hydroxide Nanowhiskers Synthesized by Hydrothermal Route. <i>Nanoscale Research Letters</i> , 2010, 5, 149-157.	3.1	36
1358	Thermal Evaporation Synthesis and Properties of ZnO Nano/Microstructures Using Carbon Group Elements as the Reducing Agents. <i>Nanoscale Research Letters</i> , 2010, 5, 620-624.	3.1	45
1359	The effect of growth conditions and N ₂ /O ₂ ambient on LO-phonon replicas during epitaxial growth of ZnO on c-sapphire. <i>Journal of Materials Science</i> , 2010, 45, 6009-6017.	1.7	1
1360	Fabrication of ZnO tetrapods on silicon substrate by thermal evaporation. <i>Journal of Materials Science: Materials in Electronics</i> , 2010, 21, 1164-1167.	1.1	4

#	ARTICLE	IF	CITATIONS
1361	Structural, optical and magnetic characterization of Cu-doped ZnO nanoparticles synthesized using solid state reaction method. <i>Journal of Materials Science: Materials in Electronics</i> , 2010, 21, 1168-1173.	1.1	123
1362	Structural, optical and electrical studies on nanocrystalline tin oxide (SnO ₂) thin films by electron beam evaporation technique. <i>Journal of Materials Science: Materials in Electronics</i> , 2010, 21, 578-583.	1.1	33
1363	Morphology and time resolved photoluminescence of electrochemically synthesized zinc oxide nanowires. <i>Journal of Materials Science: Materials in Electronics</i> , 2010, 21, 1277-1280.	1.1	10
1364	Fabrication and characterization of tetrapod-like ZnO nanostructures prepared by catalyst-free thermal evaporation. <i>Materials Characterization</i> , 2010, 61, 128-133.	1.9	55
1365	Electron irradiation effect and photoluminescence properties of ZnO-tetrapod nanostructures. <i>Materials Chemistry and Physics</i> , 2010, 120, 319-322.	2.0	26
1366	Low temperature growth of aligned ZnO nanowires and their application as field emission cathodes. <i>Materials Chemistry and Physics</i> , 2010, 120, 691-696.	2.0	29
1367	Direct synthesis and strong cathodoluminescence of Al ₂ O ₃ nanotubes. <i>Materials Chemistry and Physics</i> , 2010, 120, 240-243.	2.0	2
1368	Germanium nanowires: Synthesis, electrical and catalytic properties. <i>Materials Chemistry and Physics</i> , 2010, 121, 230-234.	2.0	4
1369	Effect of annealing on structural and optical properties of zinc oxide films. <i>Materials Chemistry and Physics</i> , 2010, 121, 378-384.	2.0	49
1370	Effect of ZnO seed layer on the catalytic growth of vertically aligned ZnO nanorod arrays. <i>Materials Chemistry and Physics</i> , 2010, 122, 18-22.	2.0	58
1371	Optical and field emission characteristics of anodic aluminium oxide/ZnO hybrid nanostructure. <i>Materials Chemistry and Physics</i> , 2010, 122, 60-63.	2.0	21
1372	Fabrication of flower-like ZnO microstructures from ZnO nanorods and their photoluminescence properties. <i>Materials Chemistry and Physics</i> , 2010, 124, 406-412.	2.0	49
1373	Microstructured ZnO photoelectrode grown on the sputter-deposited ZnO passivating-layer for improving the photovoltaic performances. <i>Materials Chemistry and Physics</i> , 2010, 124, 940-945.	2.0	18
1374	Zinc oxide micro- and nanoparticles: Synthesis, structure and optical properties. <i>Materials Research Bulletin</i> , 2010, 45, 190-196.	2.7	27
1375	A template-free alcoholthermal route to Ti(Sn)-doped ZnO nanorods. <i>Materials Research Bulletin</i> , 2010, 45, 403-408.	2.7	12
1376	Controlling the photoluminescence of ZnO:Si nano-composite films by heat-treatment. <i>Materials Research Bulletin</i> , 2010, 45, 1368-1374.	2.7	16
1377	Preparation and characterization of sol-gel Li and Al codoped ZnO thin films. <i>Materials Letters</i> , 2010, 64, 157-160.	1.3	23
1378	Diffusion synthesis and electronic properties of Fe-doped ZnO. <i>Materials Letters</i> , 2010, 64, 386-388.	1.3	6

#	ARTICLE	IF	CITATIONS
1379	Polyoxometalate-assisted electrochemical deposition of ZnO spindles in an ionic liquid. <i>Materials Letters</i> , 2010, 64, 643-645.	1.3	7
1380	Study of the properties of undoped and fluorine doped zinc oxide nanoparticles. <i>Materials Letters</i> , 2010, 64, 1493-1495.	1.3	43
1381	Green emission from ZnO nanorods: Role of defects and morphology. <i>Scripta Materialia</i> , 2010, 62, 662-665.	2.6	43
1382	The effects of annealing temperature on structural and optical properties of S-doped ZnO nanobelts. <i>Solid State Sciences</i> , 2010, 12, 252-256.	1.5	53
1383	Synthesis and properties of cuboid-shaped ZnO hierarchical structures. <i>Solid State Sciences</i> , 2010, 12, 776-782.	1.5	24
1384	Fabrication of 3D rotor-like ZnO nanostructure from 1D ZnO nanorods and their morphology dependent photoluminescence property. <i>Solid State Sciences</i> , 2010, 12, 1703-1710.	1.5	17
1385	On the Defect Origin of the Room-Temperature Magnetism Universally Exhibited by Metal-Oxide Nanoparticles. <i>ChemPhysChem</i> , 2010, 11, 1673-1679.	1.0	22
1386	The Origin and Dynamics of Soft X-Ray-Excited Optical Luminescence of ZnO. <i>ChemPhysChem</i> , 2010, 11, 3625-3631.	1.0	34
1387	Synthesis, structure and optical properties of zinc oxide hexagonal microprisms. <i>Crystal Research and Technology</i> , 2010, 45, 311-315.	0.6	55
1388	Microemulsion synthesis and characterization of aluminum doped ZnO nanorods. <i>Crystal Research and Technology</i> , 2010, 45, 771-775.	0.6	18
1389	Fabrication and optical properties of two-dimensional photonic crystal of ZnO pillars. <i>Crystal Research and Technology</i> , 2010, 45, 393-397.	0.6	0
1390	Polyol-Mediated Synthesis of Highly Water-Soluble ZnO Colloidal Nanocrystal Clusters. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 217-220.	1.0	22
1391	Defect-Related Emissions and Magnetization Properties of ZnO Nanorods. <i>Advanced Functional Materials</i> , 2010, 20, 1161-1165.	7.8	284
1392	Electrically Addressable Hybrid Architectures of Zinc Oxide Nanowires Grown on Aligned Carbon Nanotubes. <i>Advanced Functional Materials</i> , 2010, 20, 2470-2480.	7.8	69
1393	Mesocrystals-Ordered Nanoparticle Superstructures. <i>Advanced Materials</i> , 2010, 22, 1301-1330.	11.1	545
1394	Synthesis and Characterization of Multifunctional FePt/ZnO Core/Shell Nanoparticles. <i>Advanced Materials</i> , 2010, 22, 403-406.	11.1	67
1396	Cesium doped and undoped ZnO nanocrystalline thin films: a comparative study of structural and micro-Raman investigation of optical phonons. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 1594-1600.	1.2	44
1397	Block Copolymer Micellar Nanoreactors for the Directed Synthesis of ZnO Nanoparticles. <i>Macromolecular Rapid Communications</i> , 2010, 31, 729-734.	2.0	24

#	ARTICLE	IF	CITATIONS
1398	Structural and morphological study of ZnO thin films electrodeposited on n-type silicon. Applied Surface Science, 2010, 256, 7442-7445.	3.1	8
1399	The luminescence of ZnO ceramics. Radiation Measurements, 2010, 45, 441-443.	0.7	14
1400	Growth and characterizations of nonpolar [11 $\bar{2}$ 0] ZnO on [100] (La,Sr)(Al,Ta)O ₃ substrate by chemical vapor deposition. Journal of Crystal Growth, 2010, 312, 1170-1174.	0.7	15
1401	A study on structural formation and optical property of wide band-gap Be _{0.2} Zn _{0.8} O layers grown by RF magnetron co-sputtering system. Journal of Crystal Growth, 2010, 312, 1683-1686.	0.7	12
1402	Genetic patterns of Zn ₂ GeO ₄ coated ZnO nanowires from phase texture distribution of biphasic brass substrate. Journal of Crystal Growth, 2010, 312, 2479-2483.	0.7	2
1403	The influences of O/Zn ratio and growth temperature on carbon impurity incorporation in ZnO grown by metal-organic chemical vapor deposition. Journal of Crystal Growth, 2010, 312, 2710-2717.	0.7	12
1404	Synthesis and optical properties of Ce-doped ZnO hexagonal nanoplatelets. Journal of Crystal Growth, 2010, 312, 3075-3079.	0.7	128
1405	Studies on the evolution of ZnO morphologies in a thermohydrolysis technique and evaluation of their functional properties. Journal of Hazardous Materials, 2010, 175, 889-895.	6.5	39
1406	Photoluminescence, FTIR and X-ray diffraction studies on undoped and Al-doped ZnO thin films grown on polycrystalline α -alumina substrates by ultrasonic spray pyrolysis. Journal of Luminescence, 2010, 130, 2113-2117.	1.5	94
1407	Characterization of UV photodetectors with Mg _x Zn _{1-x} O thin films. Microelectronic Engineering, 2010, 87, 1777-1780.	1.1	6
1408	Atmosphere effects on the formation and evolution of Zn and ZnO nanoparticles in Zn ion implanted SiO ₂ . Optical Materials, 2010, 32, 961-965.	1.7	8
1409	Influence of post-annealing on the structure and optical properties of ferromagnetic Zn _{1-x} Mn _x O film prepared by PECVD technique. Physica B: Condensed Matter, 2010, 405, 322-326.	1.3	3
1410	Growth of zinc oxide nanoflowers by thermal evaporation method. Physica B: Condensed Matter, 2010, 405, 2570-2572.	1.3	41
1411	Annealing effects of ZnO nanorods on dye-sensitized solar cell efficiency. Physica B: Condensed Matter, 2010, 405, 2593-2598.	1.3	86
1412	Ferromagnetism in ZnO single crystal. Physica B: Condensed Matter, 2010, 405, 2659-2663.	1.3	40
1413	Structural, optical and magnetic properties of Zn _{1-x} Co _x O dilute magnetic semiconductors thin films by pulsed laser deposition. Physica B: Condensed Matter, 2010, 405, 4027-4031.	1.3	28
1414	Ultraviolet photoresponse properties of zinc oxide on type IIb diamond heterojunction. Physica B: Condensed Matter, 2010, 405, 4123-4127.	1.3	8
1415	Triple assembly of ZnO, large-scale hollow spherical shells with flower-like species consisting of rods grown on the outer surfaces of shells. Journal of Solid State Chemistry, 2010, 183, 696-701.	1.4	4

#	ARTICLE	IF	CITATIONS
1416	Structural and optical properties of unannealed and annealed ZnO nanoparticles prepared by a chemical precipitation technique. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 1675-1682.	1.3	102
1417	Structural and optical properties of ZnO whiskers grown on ZnO-coated silicon substrates by non-catalytic thermal evaporation process. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 1928-1933.	1.3	11
1418	Room-temperature ferromagnetic properties of Ni-doped ZnO rod arrays. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 2086-2090.	1.3	26
1419	Fabrication and characterization of ZnO branched nanorods and ZnO/NiO heterojunction electrodes by chemical solution method. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 2289-2294.	1.3	19
1420	Controllable synthesis of hierarchical ZnO nanostructures via a chemical route. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 2460-2465.	1.3	27
1421	Nanorods and nanofilms of ZnO generated at the liquid-liquid interface. <i>Inorganica Chimica Acta</i> , 2010, 363, 2125-2130.	1.2	9
1422	Nanorods and nanofilms of ZnO generated at the liquid-liquid interface. <i>Inorganica Chimica Acta</i> , 2010, 363, 2696-2701.	1.2	4
1423	Preparation and characterization of Na-doped ZnO thin films by sol-gel method. <i>Physica B: Condensed Matter</i> , 2010, 405, 3167-3171.	1.3	57
1424	Growth of high-quality ZnO nanowires without a catalyst. <i>Physica B: Condensed Matter</i> , 2010, 405, 4216-4218.	1.3	13
1425	Enhancement of electrical conductivity in sprayed ZnO thin film through zero-energy process. <i>Physica B: Condensed Matter</i> , 2010, 405, 4957-4960.	1.3	6
1426	Synthesis, characterization and room temperature photoluminescence properties of briers-like ZnO nanoarchitectures. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 167, 177-181.	1.7	10
1427	ZnO cages with tunable shell thickness and photoluminescence properties. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 172, 96-100.	1.7	2
1428	One step from ZnO rod to ZnS porous tube. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 175, 195-200.	1.7	19
1429	Trends in semiconductor defect engineering at the nanoscale. <i>Materials Science and Engineering Reports</i> , 2010, 70, 151-168.	14.8	83
1430	Electrodeposition of single and duplex layers of ZnO with different morphologies and electrical properties. <i>Materials Science in Semiconductor Processing</i> , 2010, 13, 239-244.	1.9	11
1431	The application of complex multiple forklike ZnO nanostructures to rapid and ultrahigh sensitive hydrogen peroxide biosensors. <i>Biomaterials</i> , 2010, 31, 7534-7541.	5.7	72
1432	Improvement of green cathodoluminescence of zinc oxide stacked films prepared by high-power excimer laser irradiation of sol-gel-derived precursors. <i>Thin Solid Films</i> , 2010, 518, 3875-3878.	0.8	4
1433	Luminescent properties of ZnO structures grown with a vapour transport method. <i>Thin Solid Films</i> , 2010, 518, 4231-4233.	0.8	2

#	ARTICLE	IF	CITATIONS
1434	Photoresponse of hydrothermally grown lateral ZnO nanowires. <i>Thin Solid Films</i> , 2010, 518, 7328-7332.	0.8	32
1435	Investigation of indium oxide as a self-catalyst in ZnO/ZnInO heterostructure nanowires growth. <i>Thin Solid Films</i> , 2010, 518, 5971-5977.	0.8	42
1436	Photoluminescence, photoacoustic and Raman spectra of zinc oxide films grown by LP-MOCVD using diethylzinc and water as precursors. <i>Thin Solid Films</i> , 2010, 519, 1546-1551.	0.8	13
1437	Enhanced sensing properties of defect-controlled ZnO nanotetrapods arising from aluminum doping. <i>Sensors and Actuators B: Chemical</i> , 2010, 147, 165-169.	4.0	49
1438	Preparation of ZnO nanorod arrays with tailored defect-related characteristics and their effect on the ethanol gas sensing performance. <i>Sensors and Actuators B: Chemical</i> , 2010, 151, 15-20.	4.0	93
1439	Steady-state and transient electron transport within bulk wurtzite zinc oxide. <i>Solid State Communications</i> , 2010, 150, 2182-2185.	0.9	32
1440	Photoluminescence lifetime of Al-doped ZnO films in visible region. <i>Solid State Communications</i> , 2010, 150, 2341-2345.	0.9	39
1441	Crystal quality and conductivity type of (002) ZnO films on (100) Si substrates for device applications. <i>Solid-State Electronics</i> , 2010, 54, 1150-1154.	0.8	12
1442	Growth mechanism and photoluminescence property of flower-like ZnO nanostructures synthesized by starch-assisted sonochemical method. <i>Ultrasonics Sonochemistry</i> , 2010, 17, 560-565.	3.8	66
1443	Study on Raman line at 1080.2cm^{-1} in ZnO thin films prepared under high RF power. <i>Vacuum</i> , 2010, 84, 1315-1318.	1.6	6
1444	Preparation and characterizations of ZnO films for photoelectronic applications. <i>Vacuum</i> , 2010, 85, 131-134.	1.6	0
1445	Structural and optical properties of encapsulated ZnO in porous host matrix. <i>Acta Materialia</i> , 2010, 58, 373-378.	3.8	7
1446	ZnO nanorods/plates on Si substrate grown by low-temperature hydrothermal reaction. <i>Applied Surface Science</i> , 2010, 256, 2781-2785.	3.1	44
1447	Effect of Mn doping on the microstructures and photoluminescence properties of CBD derived ZnO nanorods. <i>Applied Surface Science</i> , 2010, 256, 3365-3368.	3.1	37
1448	Silicon MIS diodes with Cr ₂ O ₃ nanofilm: Optical, morphological/structural and electronic transport properties. <i>Applied Surface Science</i> , 2010, 256, 4185-4191.	3.1	28
1449	The Al-doping and post-annealing treatment effects on the structural and optical properties of ZnO:Al thin films deposited on Si substrate. <i>Applied Surface Science</i> , 2010, 256, 4304-4309.	3.1	50
1450	Effect of source temperature on the morphology and photoluminescence properties of ZnO nanostructures. <i>Applied Surface Science</i> , 2010, 256, 5957-5960.	3.1	14
1451	Fabrication and characterization of magnetron sputtered arsenic doped p-type ZnO epitaxial thin films. <i>Applied Surface Science</i> , 2010, 256, 7200-7203.	3.1	20

#	ARTICLE	IF	CITATIONS
1452	Synthesis of ZnO compound nanostructures via a chemical route for photovoltaic applications. Applied Surface Science, 2010, 256, 7472-7477.	3.1	15
1453	Morphology and photoluminescence study of electrodeposited ZnO films. Applied Surface Science, 2010, 257, 985-989.	3.1	9
1454	Room temperature growth and properties of ZnO films by pulsed laser deposition. Applied Surface Science, 2010, 257, 1310-1313.	3.1	22
1455	Effects of synthesis conditions and annealing post-treatment on the photocatalytic activities of ZnO nanoparticles in the degradation of methylene blue dye. Chemical Engineering Journal, 2010, 164, 77-84.	6.6	131
1456	Preparation and characterizations of highly transparent UV-curable ZnO-acrylic nanocomposites. Ceramics International, 2010, 36, 1245-1251.	2.3	45
1457	Optical properties and simultaneous synthesis of ZnS and ZnO nanoparticles via one reverse micellar system. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 360, 205-209.	2.3	14
1458	Preparation and characterization of Ni-doped ZnO particles via a bioassisted process. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 372, 165-171.	2.3	23
1459	Vapor condensation growth and evolution mechanism of ZnO nanorod flower structures. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 364-369.	0.8	5
1460	Development of Tb-doped ZnO nanorods: Effect of nitrogen ion irradiation on luminescence and structural evolution. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 1859-1863.	0.8	18
1461	Performance of top-gate thin film transistors with solution processed ZnO channel layer and PVP gate dielectric. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 1664-1667.	0.8	10
1462	Preparation of ZnO thin film by the sol-gel method using low temperature ozone oxidation. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 1600-1603.	0.8	5
1463	Characterizations of individual ZnMgO nanowires synthesized by a vapor transport method. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 2478-2482.	0.8	8
1464	Site-Specific Self-Assembled Liquid-Gated ZnO Nanowire Transistors for Sensing Applications. Small, 2010, 6, 589-594.	5.2	46
1466	ZnO-Nanorod Dye-Sensitized Solar Cells: New Structure without a Transparent Conducting Oxide Layer. International Journal of Photoenergy, 2010, 2010, 1-5.	1.4	25
1467	Synthesis and Luminescence Properties of Ce ⁴⁺ -Doped ZnO. Advanced Materials Research, 2010, 148-149, 832-836.	0.3	0
1468	Small angle neutron scattering and photoluminescence property of wet chemistry process synthesised ZnO nanoparticles. Journal of Experimental Nanoscience, 2010, 5, 180-187.	1.3	4
1469	Layer-by-layer CdTe Nanoparticle Absorbers for ZnO Nanorod Solar Cells - The Influence of Annealing on Cell Performance. Materials Research Society Symposia Proceedings, 2010, 1260, 1.	0.1	1
1470	Influences of KrF laser irradiation on the structure and luminescence of ZnO single crystal. Chinese Physics B, 2010, 19, 087801.	0.7	0

#	ARTICLE	IF	CITATIONS
1471	Effect of ion bombardment on the field emission property of tetrapod ZnO. Journal of Applied Physics, 2010, 107, 054506.	1.1	9
1472	Identification of zinc and oxygen vacancy states in nonpolar ZnO single crystal using polarized photoluminescence. Applied Physics Letters, 2010, 97, .	1.5	27
1473	Rapid thermal annealing of ZnO thin films grown at room temperature. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2010, 28, 216-219.	0.9	17
1474	Enhanced ultraviolet electroluminescence from ZnO nanowires in TiO ₂ /ZnO coaxial nanowires/poly(3,4-ethylenedioxythiophene)-poly(styrene-sulfonate) heterojunction. Journal of Applied Physics, 2010, 107, 034310.	1.1	19
1475	Reversible room temperature ferromagnetism in undoped zinc oxide: Correlation between defects and physical properties. Journal of Applied Physics, 2010, 108, .	1.1	64
1476	Electron energy-loss spectroscopy study of Yb doped ZnO. Journal of Applied Physics, 2010, 108, 083535.	1.1	12
1477	Roles of carbon in light emission of ZnO. Applied Physics Letters, 2010, 96, .	1.5	24
1478	Probing defects in chemically synthesized ZnO nanostructures by positron annihilation and photoluminescence spectroscopy. Journal of Applied Physics, 2010, 108, .	1.1	33
1479	Semipolar r-plane ZnO films on Si(100) substrates: Thin film epitaxy and optical properties. Journal of Applied Physics, 2010, 107, 113530.	1.1	23
1480	Optical Properties of Laser-Irradiated ZnO Nanoparticles in 2-Propanol. Japanese Journal of Applied Physics, 2010, 49, 052602.	0.8	4
1481	Dynamics of light harvesting in ZnO nanoparticles. Nanotechnology, 2010, 21, 265703.	1.3	45
1482	PREPARATIONS OF ZINC OXIDES AND CHARACTERIZATION OF THE PHOTOVOLTAIC BEHAVIOR USING A SCANNING KELVIN PROBE. Surface Review and Letters, 2010, 17, 451-455.	0.5	0
1483	LUMINESCENT PROPERTY OF ZNO GRANULAR FILMS WITH DIFFERENT PARTICLE SIZE. International Journal of Modern Physics B, 2010, 24, 2827-2832.	1.0	2
1484	Enhanced photoconduction of free-standing ZnO nanowire films by L-lysine treatment. Nanotechnology, 2010, 21, 485504.	1.3	27
1485	Fabrication Methods and Luminescent Properties of ZnO Materials for Light-Emitting Diodes. Materials, 2010, 3, 2218-2259.	1.3	90
1486	Localized ultraviolet photoresponse in single bent ZnO micro/nanowires. Applied Physics Letters, 2010, 97, 133112.	1.5	15
1487	Highly Ordered Lattice Orientation of ZnO Nanoparticles Formed in Confined Space. Chinese Journal of Chemical Physics, 2010, 23, 484-490.	0.6	1
1488	Fabrication and Characteristics of Self-Aligned ZnO Nanotube and Nanorod Arrays on Si Substrates by Atomic Layer Deposition. Journal of the Electrochemical Society, 2010, 157, K236.	1.3	18

#	ARTICLE	IF	CITATIONS
1489	Crystal structure and optical properties of erbium- and neodymium-doped zirconia nanoparticles. <i>Journal of Materials Research</i> , 2010, 25, 500-509.	1.2	6
1490	Characteristics of a dye-sensitized solar cell based on an anode combining ZnO nanostructures with vertically aligned carbon nanotubes. <i>Diamond and Related Materials</i> , 2010, 19, 1457-1460.	1.8	29
1491	Integrated Nanorods and Heterostructure Field Effect Transistors for Gas Sensing. <i>Journal of Physical Chemistry C</i> , 2010, 114, 7999-8004.	1.5	16
1492	Investigation of Hydrogen Storage Capabilities of ZnO-Based Nanostructures. <i>Journal of Physical Chemistry C</i> , 2010, 114, 2560-2565.	1.5	75
1493	Growth and properties of tin oxide nanowires and the effect of annealing conditions. <i>Semiconductor Science and Technology</i> , 2010, 25, 024012.	1.0	39
1494	Stress-dependent band gap shift and quenching of defects in Al-doped ZnO films. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 465402.	1.3	80
1495	Ultrahigh field emission current density from nitrogen-implanted ZnO nanowires. <i>Nanotechnology</i> , 2010, 21, 095701.	1.3	19
1496	Resistive switching behaviors of ZnO nanorod layers. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	116
1497	Self-catalytic synthesis, structure and properties of ultra-fine luminescent ZnO nanostructures for field emission applications. <i>Nanotechnology</i> , 2010, 21, 225709.	1.3	17
1498	Instabilities in Amorphous Oxide Semiconductor Thin-Film Transistors. <i>IEEE Transactions on Device and Materials Reliability</i> , 2010, 10, 460-475.	1.5	213
1499	Fluorescence Spectroscopy: A Powerful Technique for the Noninvasive Characterization of Artwork. <i>Accounts of Chemical Research</i> , 2010, 43, 837-846.	7.6	127
1500	Surface Photoluminescence Emission of ZnO Nanorod Arrays: Experimental and First-Principles Investigation. <i>Journal of Physical Chemistry C</i> , 2010, 114, 17894-17898.	1.5	9
1501	Formation and Assembly/Disassembly Processes of ZnO Hexagonal Pyramids Driven by Dipolar and Excluded Volume Interactions. <i>Journal of the American Chemical Society</i> , 2010, 132, 1860-1872.	6.6	100
1502	Calculation of Formation Energy of Oxygen Vacancy in ZnO Based on Photoluminescence Measurements. <i>Journal of Physical Chemistry B</i> , 2010, 114, 7874-7878.	1.2	33
1503	A novel ZnO nanostructure: rhombus-shaped ZnO nanorod array. <i>Chemical Communications</i> , 2010, 46, 3191.	2.2	43
1504	Intrinsic defects in ZnO calculated by screened exchange and hybrid density functionals. <i>Physical Review B</i> , 2010, 81, .	1.1	244
1505	Epitaxial Electrodeposition of ZnO Nanowire Arrays on p-GaN for Efficient UV-Light-Emitting Diode Fabrication. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 2083-2090.	4.0	122
1506	Biocompatible and stable ZnO quantum dots generated by functionalization with siloxane-core PAMAM dendrons. <i>Journal of Materials Chemistry</i> , 2010, 20, 1147-1155.	6.7	141

#	ARTICLE	IF	CITATIONS
1507	Interconnected Networks of Zn(NO ₃) ₂ ·6(H ₂ O) Nanotubes and Its Solid-Phase Transformation into Porous Zinc Oxide Architectures. <i>Chemistry of Materials</i> , 2010, 22, 1533-1539.	3.2	17
1508	Biotinylation of ZnO Nanoparticles and Thin Films: A Two-Step Surface Functionalization Study. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 2128-2135.	4.0	41
1509	Influence of ZnS and MgO Shell on the Photoluminescence Properties of ZnO Core/Shell Nanowires. <i>Journal of Physical Chemistry C</i> , 2010, 114, 1467-1471.	1.5	69
1510	Hydrogen effects on the electroluminescence of n-ZnO nanorod/p-GaN film heterojunction light-emitting diodes. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 6759.	1.3	18
1511	Bending-Induced Enhancement of Longitudinal Optical Phonon Scattering in ZnO Nanowires. <i>Journal of Physical Chemistry C</i> , 2010, 114, 12477-12480.	1.5	21
1512	Strong Effect of Interelectrode Distance on the Performance of a Novel ZnO Nanorod Lateral Field Emission Device Fabricated by a Single-Step Hydrothermal Approach. <i>Journal of Physical Chemistry C</i> , 2010, 114, 8575-8580.	1.5	22
1513	Observation of Photoconductivity in Sn-Doped ZnO Nanowires and Their Photoenhanced Field Emission Behavior. <i>Journal of Physical Chemistry C</i> , 2010, 114, 3843-3849.	1.5	63
1514	Epitaxial Growth of <i>m</i> -Plane ZnO Thin Films on (101̄..0) Sapphire Substrate by Atomic Layer Deposition with Interrupted Flow. <i>Crystal Growth and Design</i> , 2010, 10, 1460-1463.	1.4	29
1515	Synthesis of a ZnS Shell on the ZnO Nanowire and Its Effect on the Nanowire-Based Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2010, 114, 21360-21365.	1.5	94
1516	Direct Growth of Lateral ZnO Nanorod UV Photodetectors with Schottky Contact by a Single-Step Hydrothermal Reaction. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 1973-1979.	4.0	151
1517	Novel micro-ring structured ZnO photoelectrode for dye-sensitized solar cell. <i>Nano-Micro Letters</i> , 2010, 2, 53-55.	14.4	23
1518	Indirect optical transition due to surface band bending in ZnO nanotubes. <i>Journal of Applied Physics</i> , 2010, 108, 103513.	1.1	27
1519	Chemical Synthesis and Structural and Magnetic Properties of Dispersible Cobalt- and Nickel-Doped ZnO Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2010, 114, 3422-3430.	1.5	91
1520	Effects of annealing on the ferromagnetism and photoluminescence of Cu-doped ZnO nanowires. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 016002.	0.7	20
1521	Size-Dependent Optical Properties of Colloidal ZnO Nanoparticles Charged by Photoexcitation. <i>Journal of Physical Chemistry C</i> , 2010, 114, 220-225.	1.5	73
1522	Photoluminescent ZnO nanoparticles modified by polymers. <i>Journal of Materials Chemistry</i> , 2010, 20, 4251.	6.7	151
1523	Effects of Annealing Temperature on Structural and Optical Properties of ZnO Thin Films. <i>Chinese Physics Letters</i> , 2010, 27, 047803.	1.3	29
1524	Random lasing action of randomly assembled ZnO Nanowires with MgO coating. <i>Optics Express</i> , 2010, 18, 13647.	1.7	25

#	ARTICLE	IF	CITATIONS
1525	Synthesis, characterization and optical properties of flower-like ZnO nanorods by non-catalytic thermal evaporation. <i>Journal of Alloys and Compounds</i> , 2010, 492, 427-432.	2.8	42
1526	Effect of thermal treatment on the structure and optical properties of biomimic hierarchical ZnO column arrays. <i>Journal of Alloys and Compounds</i> , 2010, 495, 275-279.	2.8	2
1527	Microwave-assisted synthesis of narcis-like zinc oxide nanostructures. <i>Journal of Alloys and Compounds</i> , 2010, 497, 325-329.	2.8	60
1528	Influence of cooling rate on optical properties and electrical properties of nanorod ZnO films. <i>Journal of Alloys and Compounds</i> , 2010, 500, 181-184.	2.8	16
1529	Dependence of energy transfer and photoluminescence on tailored defects in Eu-doped ZnO nanosheets-based microflowers. <i>Journal of Alloys and Compounds</i> , 2010, 504, 22-26.	2.8	66
1530	Effect of Al doping on the visible photoluminescence of ZnO nanofibers. <i>Journal of Alloys and Compounds</i> , 2010, 506, 772-776.	2.8	47
1531	Synthesis and characterization of zinc oxide nanorods on silicon for the fabrication of p-Si/n-ZnO heterojunction diode. <i>Journal of Alloys and Compounds</i> , 2010, 508, 375-379.	2.8	29
1532	Origin of Visible Photoluminescence of ZnO Quantum Dots: Defect-Dependent and Size-Dependent. <i>Journal of Physical Chemistry C</i> , 2010, 114, 9651-9658.	1.5	319
1533	Growth of zinc oxide particles in the presence of silicon. <i>CrystEngComm</i> , 2010, 12, 3071.	1.3	8
1534	Synthesis and Characterization of Ag- or Sb-Doped ZnO Nanorods by a Facile Hydrothermal Route. <i>Journal of Physical Chemistry C</i> , 2010, 114, 12401-12408.	1.5	227
1535	Properties of ZnO Thin Films Grown on Si (100) Substrates by Pulsed Laser Deposition. <i>Journal of Materials Science and Technology</i> , 2010, 26, 973-976.	5.6	6
1536	Nanostructural Features and Optical Performance of RF Magnetron Sputtered ZnO Thin Films. <i>Journal of Materials Science and Technology</i> , 2010, 26, 986-990.	5.6	17
1537	Room temperature vacuum-induced ligand removal and patterning of ZnO nanoparticles: from semiconducting films towards printed electronics. <i>Journal of Materials Chemistry</i> , 2010, 20, 874-879.	6.7	37
1538	Effective Suppression of Surface Recombination in ZnO Nanorods Arrays during the Growth Process. <i>Crystal Growth and Design</i> , 2010, 10, 1904-1910.	1.4	29
1539	Application of ZnO nanoparticles in influencing the growth rate of <i>Cicer arietinum</i> . <i>Journal of Experimental Nanoscience</i> , 2010, 5, 488-497.	1.3	139
1540	Controllable hydrothermal synthesis, growth mechanism, and properties of ZnO three-dimensional structures. <i>New Journal of Chemistry</i> , 2010, 34, 732.	1.4	39
1541	Transition levels of defect centers in ZnO by hybrid functionals and localized basis set approach. <i>Journal of Chemical Physics</i> , 2010, 133, 144512.	1.2	106
1542	Study of active surface defects in Ti doped ZnO nanoparticles. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	48

#	ARTICLE	IF	CITATIONS
1543	Temperature behavior of electron-acceptor transitions and oxygen vacancy recombinations in ZnO thin films. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	27
1544	Photoluminescence, white light emitting properties and related aspects of ZnO nanoparticles admixed with graphene and GaN. <i>Nanotechnology</i> , 2010, 21, 385701.	1.3	85
1545	Controllable growth of La(OH) ₃ nanorod and nanotube arrays. <i>CrystEngComm</i> , 2010, 12, 4066.	1.3	18
1546	Core-shell Zn-doped TiO ₂ -ZnO nanofibers fabricated via a combination of electrospinning and metal-organic chemical vapour deposition. <i>CrystEngComm</i> , 2010, 12, 3858.	1.3	53
1547	Cathodoluminescence characterisation of vapour transport grown ZnO structures. , 2010, , .		0
1548	Comparison of structural and photoluminescence properties of zinc oxide nanostructures influenced by gas ratio and substrate bias during radio frequency sputtering. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010, 28, C2B51-C2B55.	0.6	8
1549	Synthesis and Optical Properties of ZnO Nanowires for Nanophotonics. , 2010, , .		0
1550	Intrinsic ferromagnetism and magnetic anisotropy in Gd-doped ZnO thin films synthesized by pulsed spray pyrolysis method. <i>Journal of Applied Physics</i> , 2010, 108, .	1.1	106
1551	Synthesis and optical properties of ZnO nanowires for nanophotonics. , 2010, , .		0
1552	A catalyst-free and facile route to periodically ordered and c-axis aligned ZnO nanorod arrays on diverse substrates. <i>Nanoscale</i> , 2011, 3, 1675.	2.8	25
1553	Assorted analytical and spectroscopic techniques for the optimization of the defect-related properties in size-controlled ZnO nanowires. <i>Nanoscale</i> , 2011, 3, 4830.	2.8	46
1554	Enhanced near band edge luminescence of Ti/ZnO nanorod heterostructures due to the surface diffusion of Ti. <i>Nanoscale</i> , 2011, 3, 4427.	2.8	42
1555	Synthesis and cathodoluminescence properties of CdSe/ZnO hierarchical nanostructures. <i>Journal of Materials Chemistry</i> , 2011, 21, 3858.	6.7	14
1556	Correlations between low temperature thermoluminescence and oxygen vacancies in ZnO crystals. <i>Journal of Applied Physics</i> , 2011, 109, 053508.	1.1	15
1557	Uniform ZnO nanorods derived from lithium ions as a growth controlling agent in non-aqueous medium. <i>CrystEngComm</i> , 2011, 13, 437-439.	1.3	5
1558	Surface plasmon enhanced ultraviolet emission and observation of random lasing from self-assembly Zn/ZnO composite nanowires. <i>CrystEngComm</i> , 2011, 13, 2336.	1.3	31
1559	Photoselective excited state dynamics in ZnO-Au nanocomposites and their implications in photocatalysis and dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 12488.	1.3	96
1560	Hydrothermal Synthesis and Photoluminescence Properties of Zinc Oxide Crystals with Controllable Morphology. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
1561	The Power of Nanomaterial Approaches in Gas Sensors. Springer Series on Chemical Sensors and Biosensors, 2011, , 53-78.	0.5	0
1562	Binding and Static Quenching Behavior of a Terthiophene Carboxylate on Monodispersed Zinc Oxide Nanocrystals. Journal of Physical Chemistry C, 2011, 115, 11-17.	1.5	17
1563	Development of Reactive-Ion Etching for ZnO-Based Nanodevices. IEEE Nanotechnology Magazine, 2011, 10, 839-843.	1.1	13
1564	Tailoring the surface properties and carrier dynamics in SnO ₂ nanowires. Nanotechnology, 2011, 22, 285709.	1.3	30
1565	Highly Sensitive Reversible Light-Driven Switches Using Electrospun Porous Aluminum-Doped Zinc Oxide Nanofibers. Journal of Physical Chemistry C, 2011, 115, 3956-3961.	1.5	30
1566	Hydrothermal Synthesis of Core/Shell ZnO:Mn/Mn ₃ O ₄ Nanowires. Journal of Physical Chemistry C, 2011, 115, 10979-10984.	1.5	11
1567	Synthesis and Optical Properties of Dithiol-Linked ZnO/Gold Nanoparticle Composites. Journal of Physical Chemistry C, 2011, 115, 10518-10523.	1.5	55
1568	Chemical Purification of ZnO Nanoparticles by Dialyzing Treatments and Their Use in Fabricating Luminescent Antireflective Nanocomposite Thin Films. Industrial & Engineering Chemistry Research, 2011, 50, 5611-5617.	1.8	5
1569	A Facile Chemical Conversion Synthesis of ZnO/ZnS Core/Shell Nanorods and Diverse Metal Sulfide Nanotubes. Journal of Physical Chemistry C, 2011, 115, 6415-6422.	1.5	110
1570	Well-Defined Au/ZnO Nanoparticle Composites Exhibiting Enhanced Photocatalytic Activities. ACS Applied Materials & Interfaces, 2011, 3, 4531-4538.	4.0	146
1571	Growth of ZnO Nanostructures on Metal-Filled Porous Silicons. Rare Metal Materials and Engineering, 2011, 40, 761-764.	0.8	1
1572	Point defects in ZnO: an approach from first principles. Science and Technology of Advanced Materials, 2011, 12, 034302.	2.8	279
1573	High-energy ball milling technique for ZnO nanoparticles as antibacterial material. International Journal of Nanomedicine, 2011, 6, 863.	3.3	191
1574	Comparative Study of Ni- and Co-Substituted ZnO Nanoparticles: Synthesis, Optical, and Magnetic Properties. Journal of Physical Chemistry C, 2011, 115, 15758-15766.	1.5	60
1575	Multiphoton absorption-induced optical whispering-gallery modes in ZnO microcavities at room temperature. Journal Physics D: Applied Physics, 2011, 44, 025404.	1.3	7
1576	EFFECT OF ZnO NANOPOWDER SOURCE AND GROWTH TEMPERATURE ON SHAPE EVOLUTION OF ZnO NANOSTRUCTURES. International Journal of Nanoscience, 2011, 10, 833-837.	0.4	1
1577	Highly Stabilized Monodispersed Citric Acid Capped ZnO:Cu ²⁺ Nanoparticles: Synthesis and Characterization for Their Applications in White Light Generation From UV LEDs. IEEE Nanotechnology Magazine, 2011, 10, 163-169.	1.1	21
1578	Characterizing the Ultrafast Charge Carrier Trapping Dynamics in Single ZnO Rods Using Two-Photon Emission Microscopy. Journal of Physical Chemistry C, 2011, 115, 10806-10816.	1.5	20

#	ARTICLE	IF	CITATIONS
1579	<i>p</i> -type K-doped ZnO nanorods for optoelectronic applications. Journal of Applied Physics, 2011, 109, .	1.1	53
1580	Tin oxide nanocrystals: controllable synthesis, characterization, optical properties and mechanistic insights into the formation process. RSC Advances, 2011, 1, 903.	1.7	15
1581	Strong and unusual violet-blue emission in ring shaped ZnO nanocrystals. Journal of Materials Chemistry, 2011, 21, 18354.	6.7	36
1582	SYNTHESIS AND OPTICAL PROPERTIES OF THE MULTILAYER STARLIKE ZnO NANOSTRUCTURES. International Journal of Modern Physics B, 2011, 25, 1143-1148.	1.0	1
1583	Size-Controlled Electron Transfer and Photocatalytic Activity of ZnO@Au Nanoparticle Composites. Journal of Physical Chemistry Letters, 2011, 2, 2840-2845.	2.1	203
1584	Effect of Defects on the Behavior of ZnO Nanoparticle FETs. Journal of Physical Chemistry C, 2011, 115, 8312-8315.	1.5	28
1585	Electrical and optical properties of ZnO films sequentially implanted with P ions. Semiconductor Science and Technology, 2011, 26, 125016.	1.0	5
1586	Highly sensitive hydrogen detection of catalyst-free ZnO nanorod networks suspended by lithography-assisted growth. Nanotechnology, 2011, 22, 085502.	1.3	34
1587	Mannite supported hydrothermal synthesis of hollow flower-like ZnO structures for photocatalytic applications. CrystEngComm, 2011, 13, 4202.	1.3	62
1588	A facile and quick solvothermal synthesis of 3D microflower CeO ₂ and Gd:CeO ₂ under subcritical and supercritical conditions for catalytic applications. CrystEngComm, 2011, 13, 741-746.	1.3	51
1589	Electron energy loss spectroscopy of ZnO nanocrystals with different oxygen vacancy concentrations. Journal of Applied Physics, 2011, 109, .	1.1	33
1590	A controllable hydrothermal synthesis of uniform three-dimensional hierarchical microstructured ZnO films. CrystEngComm, 2011, 13, 6107.	1.3	14
1591	Indications of bulk property changes from surface ion implantation. Philosophical Magazine, 2011, 91, 250-262.	0.7	5
1592	Photoluminescent ZnO nanoparticles synthesized at the interface between air and triethylene glycol. Journal of Materials Chemistry, 2011, 21, 3178.	6.7	48
1593	Ultrathin TiO ₂ Films on ZnO Electron-Collecting Layers of Inverted Organic Solar Cell. Journal of Physical Chemistry C, 2011, 115, 21517-21520.	1.5	65
1594	Improvement in the luminous efficiency of MEH-PPV based light emitting diodes using zinc oxide nanorods grown by the electrochemical deposition technique on ITO substrates. Physica Scripta, 2011, 84, 015705.	1.2	9
1595	Quenching of surface traps in Mn doped ZnO thin films for enhanced optical transparency. Applied Surface Science, 2011, 258, 890-897.	3.1	65
1596	Room temperature enhanced red emission from novel Eu ³⁺ doped ZnO nanocrystals uniformly dispersed in nanofibers. Nanotechnology, 2011, 22, 415702.	1.3	25

#	ARTICLE	IF	CITATIONS
1597	Ultrafast screening and carrier dynamics in ZnO: Theory and experiment. <i>Physical Review B</i> , 2011, 84, .	1.1	108
1598	Vacuum fluorescent displays utilizing ZnO nanoparticles. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	12
1599	Ultraviolet photoluminescence of ZnO quantum dots sputtered at room-temperature. <i>Optics Express</i> , 2011, 19, 1641.	1.7	27
1600	Near-infrared emission of Yb ³⁺ through energy transfer from ZnO to Yb ³⁺ in glass ceramic containing ZnO nanocrystals. <i>Optics Letters</i> , 2011, 36, 2767.	1.7	49
1601	High Aspect Ratio Ternary Zn _x Cd _x O Nanowires by Electrodeposition for Light-Emitting Diode Applications. <i>Journal of Physical Chemistry C</i> , 2011, 115, 14548-14558.	1.5	69
1602	Hydrothermal synthesis and optical properties of Ni doped ZnO hexagonal nanodiscs. <i>Journal of Alloys and Compounds</i> , 2011, 509, 387-390.	2.8	59
1603	Dielectric properties of PbTiO ₃ /ZnO ceramic nanocomposites obtained by solid-state reaction method. <i>Journal of Alloys and Compounds</i> , 2011, 509, 3547-3552.	2.8	12
1604	Spectroellipsometric and photoluminescent studies of SnO _x nanostructures doped with Sm ions. <i>Journal of Alloys and Compounds</i> , 2011, 509, 8888-8893.	2.8	4
1605	Morphology and optical properties of Co doped ZnO textured thin films. <i>Journal of Alloys and Compounds</i> , 2011, 509, 9116-9122.	2.8	25
1606	Effects of mineralizing agent on the morphologies and photoluminescence properties of Eu ³⁺ -doped ZnO nanomaterials. <i>Journal of Alloys and Compounds</i> , 2011, 509, 10025-10031.	2.8	27
1607	Synthesis of Flower-like Zinc Oxalate Microspheres in Ether-water Bilayer Refluxing Systems and Their Conversion to Zinc Oxide Microspheres. <i>Journal of Materials Science and Technology</i> , 2011, 27, 563-569.	5.6	15
1608	Well-aligned zinc oxide nanowire arrays for transparent electrode applications. , 2011, , .		2
1610	Colloidal Gallium Indium Oxide Nanocrystals: A Multifunctional Light-Emitting Phosphor Broadly Tunable by Alloy Composition. <i>Journal of the American Chemical Society</i> , 2011, 133, 6711-6719.	6.6	79
1611	Surface Defect-Related Luminescence Properties of SnO ₂ Nanorods and Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2011, 115, 118-124.	1.5	304
1612	Nanowire formation under femtosecond laser radiation in liquid. , 0, , .		3
1613	Fabrication, Doping and Characterization of Polyaniline and Metal Oxides: Dye Sensitized Solar Cells. , 0, , .		8
1614	Photoluminescence properties of Eu doped zinc oxide films prepared by sol-gel method. , 2011, , .		0
1615	Optical Properties and Size-Selected Fabrication of Monodispersed Zinc Oxide Quantum Dots by Laser Ablation. <i>The Review of Laser Engineering</i> , 2011, 39, 171-177.	0.0	0

#	ARTICLE	IF	CITATIONS
1616	Synthesis of crystalline ZnO nanostructures on arbitrary substrates at ambient conditions. , 2011, , .		5
1617	Er-Doped ZnO Nanorod Arrays with Enhanced IR Emission by Using Au Island Films. Current Nanoscience, 2011, 7, 282-287.	0.7	4
1618	Ultraviolet electroluminescence from zinc oxide nanorods/deoxyribonucleic acid hybrid bio light-emitting diode. Journal of Nanophotonics, 2011, 5, 059505.	0.4	14
1620	Characterization of Green-Emitting Translucent Zinc Oxide Ceramics Prepared Via Spark Plasma Sintering. International Journal of Applied Ceramic Technology, 2011, 8, 725-733.	1.1	5
1621	Large ZnO Mesocrystals of Hexagonal Columnar Morphology Derived from Liquid Crystal Templates. Journal of the American Ceramic Society, 2011, 94, 3267-3275.	1.9	14
1622	Influences of Target and Liquid Media on Morphologies and Optical Properties of <sc>ZnO</sc> Nanoparticles Prepared by Laser Ablation in Solution. Journal of the American Ceramic Society, 2011, 94, 4305-4309.	1.9	18
1623	Effect of Various Additives on Luminescence Properties of Mn ²⁺ -Doped Ga ₂ O ₃ -ZnO Powders. Journal of the American Ceramic Society, 2011, 94, 4376-4381.	1.9	0
1624	Room-temperature ferromagnetic properties of Fe-doped ZnO rod arrays. Solid State Sciences, 2011, 13, 388-393.	1.5	56
1625	Preparation, characterization and room temperature photoluminescence properties of a zinc oxide nanosheet network grown on glass substrate by a facile chemical route. Superlattices and Microstructures, 2011, 50, 311-318.	1.4	1
1626	Thickness dependence of the resistive switching behavior of nonvolatile memory device structures based on undoped ZnO films. Solid State Communications, 2011, 151, 1739-1742.	0.9	40
1627	Defect induced room temperature ferromagnetism in well-aligned ZnO nanorods grown on Si (100) substrate. Thin Solid Films, 2011, 519, 8199-8202.	0.8	32
1628	Effects of Metal-Organic Chemical Vapour Deposition grown seed layer on the fabrication of well aligned ZnO nanorods by Chemical Bath Deposition. Thin Solid Films, 2011, 519, 7694-7701.	0.8	32
1629	Synthesis and improved luminescence properties of OLED/ZnO hybrid materials. Vacuum, 2011, 86, 254-260.	1.6	17
1630	Preparation of ZnO nanorods by microemulsion synthesis and their application as a CO gas sensor. Sensors and Actuators B: Chemical, 2011, 160, 94-98.	4.0	75
1631	Influence of Al concentration on electrical, structural and optical properties of Al-As codoped p-ZnO thin films. Physica B: Condensed Matter, 2011, 406, 4447-4452.	1.3	9
1632	Novel zinc oxide hexagonal prisms induced by polar surfaces. Materials Characterization, 2011, 62, 593-598.	1.9	7
1633	Structural, electrical and photoluminescence properties of ZnO:Al films grown on MgO(001) by direct current magnetron sputtering with the oblique target. Materials Chemistry and Physics, 2011, 126, 866-872.	2.0	8
1634	Preparation, characterization, and photoluminescence study of PVA/ZnO nanocomposite films. Materials Chemistry and Physics, 2011, 128, 371-376.	2.0	122

#	ARTICLE	IF	CITATIONS
1635	Effect of phosphorus incorporation on morphology and optical properties of ZnO nanorods. Materials Research Bulletin, 2011, 46, 596-600.	2.7	8
1636	Luminescence and electrical properties of solution-processed ZnO thin films by adding fluorides and annealing atmosphere. Materials Research Bulletin, 2011, 46, 810-814.	2.7	6
1637	Green synthesis of zinc oxide nanoparticles by aloe barbadensis miller leaf extract: Structure and optical properties. Materials Research Bulletin, 2011, 46, 2560-2566.	2.7	758
1638	Effect of boron doping on optical properties of sol-gel based nanostructured zinc oxide films on glass. Materials Research Bulletin, 2011, 46, 2392-2397.	2.7	44
1639	Synthetic of ZnO nanostructures by thermal oxidation in water vapor containing environments. Materials Letters, 2011, 65, 27-30.	1.3	15
1640	Facile template-free fabrication of olive-like ZnO nanoparticles and their photoluminescence properties. Materials Letters, 2011, 65, 507-509.	1.3	4
1641	Temperature-dependent controlled preparation of ZnO nanostructures and their photoluminescence properties. Materials Letters, 2011, 65, 670-673.	1.3	14
1642	Formation and characterization of zinc oxide nanowires grown on hexagonal-prism microstructures. Materials Letters, 2011, 65, 2470-2472.	1.3	6
1643	White-Light Electroluminescence From n-ZnO/p-GaN Heterojunction Light-Emitting Diodes at Reverse Breakdown Bias. IEEE Transactions on Electron Devices, 2011, 58, 3970-3975.	1.6	33
1644	Photoinduced oxygen release and persistent photoconductivity in ZnO nanowires. Nanoscale Research Letters, 2011, 6, 404.	3.1	184
1645	High degree of polarization of the near-band-edge photoluminescence in ZnO nanowires. Nanoscale Research Letters, 2011, 6, 501.	3.1	15
1646	Synthesis and characterization of aligned ZnO/BeO core/shell nanocable arrays on glass substrate. Nanoscale Research Letters, 2011, 6, 506.	3.1	8
1647	Gold nanoparticles modified ZnO nanorods with improved photocatalytic activity. Journal of Colloid and Interface Science, 2011, 363, 175-181.	5.0	107
1648	Effect of aerosol carriers on ultrasonically prepared nanocrystalline ZnO powders. Advanced Powder Technology, 2011, 22, 722-727.	2.0	8
1649	Luminescence properties of MgO-sheathed and annealed ZnO nanowires. Current Applied Physics, 2011, 11, S60-S64.	1.1	15
1650	Enhanced photocatalytic activity of hierarchical ZnO nanoplate-nanowire architecture as environmentally safe and facily recyclable photocatalyst. Nanoscale, 2011, 3, 5020.	2.8	148
1651	Fabrication of ZnO Nanorods in One Pot via Solvothermal Method. Journal of the Chinese Chemical Society, 2011, 58, 749-755.	0.8	9
1652	Room-temperature ferromagnetic properties of Cu-doped ZnO rod arrays. Bulletin of Materials Science, 2011, 34, 1083-1087.	0.8	37

#	ARTICLE	IF	CITATIONS
1653	Zinc oxide hexagram microrods. , 2011, , .		0
1654	Effect of [OH ⁻] Linkages on Luminescent Properties of ZnO Nanoparticles. Journal of Physical Chemistry C, 2011, 115, 18070-18075.	1.5	16
1655	Finite size effects in ZnO nanoparticles: An electron paramagnetic resonance (EPR) analysis. Physica Status Solidi - Rapid Research Letters, 2011, 5, 56-58.	1.2	117
1656	Visible photoluminescence of hydrothermal synthesized Sn ¹⁺ x Ni x O ₂ nanostructures. Journal of Materials Science: Materials in Electronics, 2011, 22, 174-178.	1.1	3
1657	Synthesis, characterization and growth mechanism of ZnO nanowires on NiCl ₂ -coated Si substrates. Journal of Materials Science: Materials in Electronics, 2011, 22, 765-770.	1.1	1
1658	Ultrasonic synthesis of ZnO nano/micro structures and their photoluminescence property. Journal of Materials Science: Materials in Electronics, 2011, 22, 1053-1059.	1.1	9
1659	Preparation of cellulose-ZnO hybrid films by a wet chemical method and their characterization. Cellulose, 2011, 18, 675-680.	2.4	59
1661	High-yield fabrication of W ₁₈ O ₄₉ @TiO ₂ core-shell nanoparticles: microstructures and optical-thermal properties. Journal of Nanoparticle Research, 2011, 13, 4549-4555.	0.8	4
1662	Fabrication of three-dimensional ZnO with hierarchical structure via an electrodeposition process. Applied Physics A: Materials Science and Processing, 2011, 103, 463-466.	1.1	5
1663	Role of Ni in the controlled growth of single crystal AlN triangular microfibers: Morphology evolution, growth kinetics and photoluminescence. Journal of Crystal Growth, 2011, 318, 1089-1094.	0.7	6
1664	Fluorescence-enhanced gadolinium-doped zinc oxide quantum dots for magnetic resonance and fluorescence imaging. Biomaterials, 2011, 32, 1185-1192.	5.7	198
1665	Characterization of (ZnO) _{1-x} (AlN) _x /ZnO junction for optoelectronic applications. Current Applied Physics, 2011, 11, 834-837.	1.1	7
1666	Photoconductivity and photoluminescence of ZnO nanoparticles synthesized via co-precipitation method. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 79, 1605-1612.	2.0	101
1667	Effect of annealing temperature on photocatalytic activity of ZnO thin films prepared by sol-gel method. Superlattices and Microstructures, 2011, 50, 98-106.	1.4	165
1668	Synthesis and optical property of ZnO nano-/micro-rods. Frontiers of Optoelectronics in China, 2011, 4, 156-160.	0.2	3
1669	A facile hydrothermal preparation and photoluminescence study of ZnO micro/nanostructures on Zn foils. Science China Chemistry, 2011, 54, 1547-1551.	4.2	2
1670	Investigation into Texture, Preferential Orientation, and Optical Properties of Zinc Oxide Nanopolycrystalline Thin Films Deposited by the Sol-Gel Technique on Different Substrates. Journal of Electronic Materials, 2011, 40, 459-465.	1.0	3
1671	Rapid large-scale preparation of ZnO nanowires for photocatalytic application. Nanoscale Research Letters, 2011, 6, 536.	3.1	54

#	ARTICLE	IF	CITATIONS
1672	Improved characteristics of near-band-edge and deep-level emissions from ZnO nanorod arrays by atomic-layer-deposited Al ₂ O ₃ and ZnO shell layers. <i>Nanoscale Research Letters</i> , 2011, 6, 556.	3.1	40
1673	A simple route to vertical array of quasi-1D ZnO nanofilms on FTO surfaces: 1D-crystal growth of nanoseeds under ammonia-assisted hydrolysis process. <i>Nanoscale Research Letters</i> , 2011, 6, 564.	3.1	18
1674	Synthesis, characterization, and optical properties of Mg-doped zinc oxide single-crystal microprisms. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011, 208, 136-139.	0.8	12
1675	Calculation of semiconductor band structures and defects by the screened exchange density functional. <i>Physica Status Solidi (B): Basic Research</i> , 2011, 248, 537-546.	0.7	26
1676	Substrate dependence of Purcell enhancement in ZnO-Ag multilayers. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011, 8, 159-162.	0.8	2
1677	The effect of ZnO buffer layer on structural and optical properties of ZnO nanorods. <i>Crystal Research and Technology</i> , 2011, 46, 691-696.	0.6	6
1678	Photoluminescence from screen printed ZnO based nanocrystalline films. <i>Crystal Research and Technology</i> , 2011, 46, 949-955.	0.6	3
1679	Synthesis from zinc oxalate, growth mechanism and optical properties of ZnO nano/micro structures. <i>Crystal Research and Technology</i> , 2011, 46, 1181-1188.	0.6	32
1680	Synthesis and cathodoluminescence of ZnO tetrapods prepared by a simple oxidation of Zn powder in air atmosphere. <i>Ceramics International</i> , 2011, 37, 189-193.	2.3	20
1681	Growth of p-type ZnO thin film on n-type silicon substrate and its application as hybrid homojunction. <i>Current Applied Physics</i> , 2011, 11, 65-69.	1.1	23
1682	The effect of source temperature on morphological and optical properties of ZnO nanowires grown using a modified thermal evaporation set-up. <i>Current Applied Physics</i> , 2011, 11, 767-770.	1.1	49
1683	Investigation of photoluminescence mechanisms of ZnO through experimental and first-principles calculation methods. <i>Acta Materialia</i> , 2011, 59, 126-132.	3.8	28
1684	Effect of particle size on photoluminescence emission intensity in ZnO. <i>Acta Materialia</i> , 2011, 59, 3024-3031.	3.8	56
1685	Control growth of catalyst-free high-quality ZnO nanowire arrays on transparent quartz glass substrate by chemical vapor deposition. <i>Applied Surface Science</i> , 2011, 257, 2960-2964.	3.1	29
1686	Galvanic deposition of ZnO nanorods and thermal annealing effects on their optical properties. <i>Applied Surface Science</i> , 2011, 257, 5519-5523.	3.1	8
1687	Synthesis and optical properties of flower-like ZnO nanorods by thermal evaporation method. <i>Applied Surface Science</i> , 2011, 257, 5083-5087.	3.1	196
1688	The influence of Mn content on luminescence properties in Mn-doped ZnO films deposited by ultrasonic spray assisted chemical vapor deposition. <i>Applied Surface Science</i> , 2011, 257, 6085-6088.	3.1	18
1689	Temperature-dependent growth mode of W-doped ZnO nanostructures. <i>Applied Surface Science</i> , 2011, 257, 6226-6232.	3.1	28

#	ARTICLE	IF	CITATIONS
1690	Synthesis of Cu ²⁺ /ZnO and Ca ²⁺ /ZnO nanoneedle arrays on zinc foil by low temperature oxidation route: Effect of buffer layers on growth, optical and field emission properties. <i>Applied Surface Science</i> , 2011, 257, 8366-8372.	3.1	26
1691	Microwave-assisted hydrothermal synthesis of ZnO rod-assembled microspheres and their photocatalytic performances. <i>Advanced Powder Technology</i> , 2011, 22, 493-497.	2.0	92
1692	Luminescence of tetraphenylporphyrin by an energy transfer from photoexcited ZnO nanoparticle. <i>Chemical Physics Letters</i> , 2011, 501, 385-389.	1.2	18
1693	Influence of seed layer treatment on low temperature grown ZnO nanotubes: Performances in dye sensitized solar cells. <i>Electrochimica Acta</i> , 2011, 56, 1111-1116.	2.6	40
1694	Microstructural and photoluminescence properties of Co-doped ZnO films fabricated using a simple solution growth method. <i>Materials Science in Semiconductor Processing</i> , 2011, 14, 179-183.	1.9	48
1695	The effect of Al ³⁺ co-doping on the structural, magnetic and optical properties of ZnCoO thin films. <i>Materials Science in Semiconductor Processing</i> , 2011, 14, 73-77.	1.9	18
1696	Enhancement of green emission from Sn-doped ZnO nanowires. <i>Optical Materials</i> , 2011, 33, 280-283.	1.7	46
1697	Tailoring the morphology of electrodeposited ZnO and its photoluminescence properties. <i>Optical Materials</i> , 2011, 33, 327-331.	1.7	8
1698	Low temperature synthesis wide optical band gap Al and (Al, Na) co-doped ZnO thin films. <i>Applied Surface Science</i> , 2011, 257, 2341-2345.	3.1	61
1699	Field emission and optical properties of Ga-doped ZnO nanowires synthesized via thermal evaporation. <i>Applied Surface Science</i> , 2011, 257, 3145-3151.	3.1	40
1700	Influence of sputter-etching of substrate on the microstructural and optical properties of ZnO films deposited by RF magnetron sputtering. <i>Applied Surface Science</i> , 2011, 257, 5998-6003.	3.1	11
1701	Room temperature ferromagnetism in undoped and Fe doped ZnO nanorods: Microwave-assisted synthesis. <i>Journal of Solid State Chemistry</i> , 2011, 184, 391-400.	1.4	167
1702	One-step, solid-state reaction to ZnO nanoparticles in the presence of ionic liquid. <i>Materials Science in Semiconductor Processing</i> , 2011, 14, 184-187.	1.9	16
1703	Band gap narrowing and fluorescence properties of nickel doped SnO ₂ nanoparticles. <i>Journal of Luminescence</i> , 2011, 131, 1-6.	1.5	278
1704	Synthesis of zinc oxide microrods and nano-fibers with dominant exciton emission at room temperature. <i>Journal of Luminescence</i> , 2011, 131, 874-879.	1.5	14
1705	Photoluminescence study of pure and Li-doped ZnO thin films grown by sol-gel technique. <i>Journal of Luminescence</i> , 2011, 131, 1428-1433.	1.5	44
1706	Effects of bifunctional linker on the optical properties of ZnO nanocolumn-linker-CdSe quantum dots heterostructure. <i>Journal of Colloid and Interface Science</i> , 2011, 358, 323-328.	5.0	15
1707	Effect of Al-doping on the structure and optical properties of electrospun zinc oxide nanofiber films. <i>Journal of Colloid and Interface Science</i> , 2011, 360, 430-439.	5.0	38

#	ARTICLE	IF	CITATIONS
1708	Heteroepitaxy of SnO ₂ thin films on m-plane sapphire by MOCVD. Journal of Crystal Growth, 2011, 324, 98-102.	0.7	16
1709	Synthesis, characterization and photoluminescence properties of Sn doped ZnO nanonails. Journal of Crystal Growth, 2011, 327, 52-56.	0.7	106
1710	MOF-5 decorated hierarchical ZnO nanorod arrays and its photoluminescence. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 43, 1219-1223.	1.3	23
1711	Photoluminescence of zinc oxide nanopowder synthesized by a combustion method. Powder Technology, 2011, 208, 185-188.	2.1	66
1712	AlN codoping and fabrication of ZnO homojunction by RF sputtering. Vacuum, 2011, 85, 881-886.	1.6	14
1713	Wavelength sensitive photo-sensing from discrete crystalline tungsten oxide nanowires. Sensors and Actuators B: Chemical, 2011, 151, 320-326.	4.0	8
1714	Examining the transparency of gallium-doped zinc oxide for photovoltaic applications. Solar Energy Materials and Solar Cells, 2011, 95, 2400-2406.	3.0	20
1715	Synthesis and characterization of ZnO columns grown on MgO-coated silicon substrates by carbon-thermal evaporation. Superlattices and Microstructures, 2011, 49, 117-123.	1.4	0
1716	The effect of oxygen partial pressure on the growth of ZnO nanostructure on Cu _{0.62} Zn _{0.38} brass during thermal oxidation. Superlattices and Microstructures, 2011, 49, 408-415.	1.4	10
1717	Effect of preheating temperatures on microstructure and optical properties of Na-doped ZnO thin films by sol-gel process. Superlattices and Microstructures, 2011, 49, 477-486.	1.4	16
1718	Hydrogen passivation effect on the yellow-green emission band and bound exciton in n-ZnO. Solid State Communications, 2011, 151, 768-770.	0.9	13
1719	The sensitivity of the steady-state electron transport within bulk wurtzite zinc oxide to variations in the non-parabolicity coefficient. Solid State Communications, 2011, 151, 874-878.	0.9	15
1720	Galvanic deposition of ZnO using mixed electrolyte and their photoluminescence properties. Thin Solid Films, 2011, 519, 4788-4792.	0.8	3
1721	Stability of hydrogen incorporated in ZnO nanowires by plasma treatment. Nanotechnology, 2011, 22, 435703.	1.3	13
1722	RAPID THERMAL ANNEALING INDUCED ENHANCED BAND-EDGE EMISSION FROM ZnO NANOWIRES, NANORODS AND NANORIBBONS. Functional Materials Letters, 2011, 04, 25-29.	0.7	25
1723	Hydrothermal synthesis and optical properties of ZnO particles. , 2011, , .		0
1724	Tunable photoluminescence and photoconductivity in ZnO one-dimensional nanostructures with a second below-gap beam. Journal of Applied Physics, 2011, 109, 103523.	1.1	9
1725	Defect-dominated diameter dependence of fracture strength in single-crystalline ZnO nanowires: In situ experiments. Physical Review B, 2011, 83, .	1.1	18

#	ARTICLE	IF	CITATIONS
1726	Narrow band defect luminescence from Al-doped ZnO probed by scanning tunneling cathodoluminescence. Applied Physics Letters, 2011, 99, .	1.5	24
1727	Sol-Gel Synthesized Aligned ZnO Nanorods Growth: Studies on Structural and Optoelectronic Properties. , 2011, , .		0
1728	Hybrid thermal-field emission of ZnO nanowires. Applied Physics Letters, 2011, 99, .	1.5	11
1729	Vacancy-induced intrinsic d0 ferromagnetism and photoluminescence in potassium doped ZnO nanowires. Journal of Applied Physics, 2011, 109, 123927.	1.1	80
1730	Comparison of the spectral and temporal emission characteristics of homoepitaxial and heteroepitaxial ZnO nanowires. Applied Physics Letters, 2011, 98, 113113.	1.5	13
1731	Electron beam synthesis of metal and semiconductor nanoparticles using metal-organic frameworks as ordered precursors. Nanotechnology, 2011, 22, 375601.	1.3	20
1732	Enhancement of the photoelectrochemical properties of Cl-doped ZnO nanowires by tuning their coaxial doping profile. Applied Physics Letters, 2011, 99, .	1.5	24
1733	Cl Doping Effect by Thermal Treatment with KCl for ZnO Single Crystals. Materials Research Society Symposia Proceedings, 2011, 1288, 1.	0.1	0
1734	Water-vapour-assisted growth of ZnO nanowires on a zinc foil and the study of the effect of synthesis parameters. Semiconductor Science and Technology, 2011, 26, 085030.	1.0	12
1735	Morphological evolution of large-scale vertically aligned ZnO nanowires and their photoluminescence properties by hydrogen plasma treatment. Materials Research Society Symposia Proceedings, 2011, 1302, 8101.	0.1	0
1737	Distribution of visible luminescence centers in hydrogen-doped ZnO. Journal of Materials Research, 2011, 26, 2912-2915.	1.2	7
1738	A Study on the Physical Properties of AZO Films as Variation of Sputtering Conditions. Advanced Materials Research, 2011, 287-290, 54-57.	0.3	0
1739	Optical Properties of Nanostructured Zinc Oxides Deposited on Silicon Substrates. Defect and Diffusion Forum, 2011, 312-315, 1132-1136.	0.4	4
1740	Frabrication and Photoluminesence of ZnO Nanobelt with Superlength Nanocantilevers. Materials Science Forum, 2011, 694, 385-390.	0.3	0
1741	Characterization of ZnO Nanostructures Synthesized through a Thermal Oxidation of Zn-C Mixture in Air. Japanese Journal of Applied Physics, 2011, 50, 01BJ14.	0.8	0
1742	Persistent Photoconductivity of Solution-Grown ZnO-Based UV Detectors. Journal of the Electrochemical Society, 2011, 158, H1188.	1.3	6
1743	Influence of morphologies on the field emission performance of oriented ZnO nano-arrays. Journal of Semiconductors, 2011, 32, 123001.	2.0	4
1745	A model for the enhancement of gas sensing properties in SnO ₂ -ZnO core-shell nanofibres. Journal Physics D: Applied Physics, 2011, 44, 205403.	1.3	47

#	ARTICLE	IF	CITATIONS
1746	Characterization of the Structural and Electrical Properties of Ion Beam Sputtered ZnO Films. Materials Science Forum, 2011, 700, 49-52.	0.3	9
1747	Large Scale Synthesis of Zinc Oxide Nano- and Submicro-Structures by Pechinis Method: Effect of Ethylene glycol/Citric Acid Mole Ratio on Structural and Optical Properties. Current Nanoscience, 2011, 7, 807-812.	0.7	40
1748	Evolution of ZnO nanoparticles and nanorods: aspect ratio dependent optoelectronic properties. EPJ Applied Physics, 2011, 53, 10602.	0.3	11
1749	UV Photodetectors Based on ZnO Nanorods: Role of Defect-Concentration. Japanese Journal of Applied Physics, 2011, 50, 100206.	0.8	7
1750	RAPID AND COST EFFECTIVE SYNTHESIS OF ZnO NANORODS USING MICROWAVE IRRADIATION TECHNIQUE. Functional Materials Letters, 2011, 04, 1-5.	0.7	53
1751	Optical Properties of ZnO Nanorods on Glass Via Spray Deposition of Solution Containing Zinc Chloride and Thiourea. IEEE Nanotechnology Magazine, 2011, 10, 532-536.	1.1	4
1752	Enhanced H ₂ sensitivity at room temperature of ZnO nanowires functionalized by Pd nanoparticles. Journal of Applied Physics, 2011, 110, .	1.1	48
1753	SHAPE EVOLUTION IN ONE-DIMENSIONAL ZnO NANOSTRUCTURES GROWN FROM ZnO NANOPOWDER SOURCE: VAPORâ€“LIQUIDâ€“SOLID VERSUS VAPORâ€“SOLID GROWTH MECHANISMS. International Journal of Nanoscience, 2011, 10, 75-79.	0.4	3
1754	The surface defect-related electroluminescence from the ZnO microwire. Journal Physics D: Applied Physics, 2011, 44, 075104.	1.3	5
1755	Optical Properties of ZnO Nanoparticles Capped with Polymers. Materials, 2011, 4, 1132-1143.	1.3	105
1756	Nanocrystals-Related Synthesis, Assembly, and Energy Applications. Journal of Nanomaterials, 2011, 2011, 1-2.	1.5	0
1757	Synthesis of ZnO/MWCNT Heterostructure via the Self-Assemble Route and its Property. Key Engineering Materials, 2011, 492, 246-249.	0.4	1
1758	Nanocrystals for Electronic and Optoelectronic Applications. Journal of Nanomaterials, 2012, 2012, 1-2.	1.5	7
1759	The Influence of Annealing Temperature on ZnO Thin Films by Oxidating Zinc Films Deposited with Magnetron Sputtering. Advanced Materials Research, 0, 463-464, 624-628.	0.3	1
1760	Photoluminescent Properties of Al Doped ZnO by Microwave Induced Combustion Method. Advanced Materials Research, 0, 554-556, 644-648.	0.3	2
1761	Polymer Matrix Nanocomposites and Nanostructured Materials. Journal of Nanomaterials, 2012, 2012, 1-2.	1.5	0
1762	Study of Structural and Optical Properties of Zinc Oxide Rods Grown on Glasses by Chemical Spray Pyrolysis. Journal of Nanomaterials, 2012, 2012, 1-5.	1.5	11
1763	Nanostructured ZnO Arrays with Self-ZnO Layer Created Using Simple Electrostatic Layer-by-Layer Assembly. Journal of Nanomaterials, 2012, 2012, 1-6.	1.5	2

#	ARTICLE	IF	CITATIONS
1764	Growth and Structure of Pure ZnO Micro/Nanocombs. Journal of Nanomaterials, 2012, 2012, 1-5.	1.5	21
1765	Unexpected positive role of oxygen vacancies in Na-doped ZnO. Journal of Applied Physics, 2012, 112, 113510.	1.1	16
1766	Synthesis and efficient field emission characteristics of patterned ZnO nanowires. Journal of Semiconductors, 2012, 33, 023001.	2.0	26
1767	Spectroscopic determination of the flatband potential and carrier density of ZnO nanowire array with/without hydrogen plasma treatment. Proceedings of SPIE, 2012, , .	0.8	0
1768	Characterization of ZnO Tetrapods Prepared by a Simple Oxidation of Zn Plate in Air Atmosphere. Japanese Journal of Applied Physics, 2012, 51, 06FG01.	0.8	0
1769	Optical Properties of ZnO Soccer-Ball Structures Grown by Vapor Phase Transport. Japanese Journal of Applied Physics, 2012, 51, 021102.	0.8	3
1770	Selective Purcell enhancement of defect emission in ZnO thin films. Optics Letters, 2012, 37, 1538.	1.7	10
1771	Observation of conductivity type conversion in undoped ZnO films grown by pulsed laser deposition on silicon (100) substrates. Applied Physics Letters, 2012, 100, 053505.	1.5	9
1772	Investigation of intrinsic defects in core-shell structured ZnO nanocrystals. Journal of Applied Physics, 2012, 111, .	1.1	100
1773	Peanut-Like ZnO Superstructures: Rapid and Facile Lightwave-Assisted Synthesis and Characterization. Materials and Manufacturing Processes, 2012, 28, 10-13.	2.7	7
1774	Comparative study of ultraviolet detectors based on ZnO nanostructures grown on different substrates. Journal of Applied Physics, 2012, 112, 074510.	1.1	37
1775	Prediction of optical properties of F centers in oxides from quasiparticle excitations. Physical Review B, 2012, 85, .	1.1	7
1776	Unusual photoresponse of indium doped ZnO/organic thin film heterojunction. Applied Physics Letters, 2012, 100, .	1.5	62
1777	Current transport in ZnO/Si heterostructure grown by laser molecular beam epitaxy. Chinese Physics B, 2012, 21, 097105.	0.7	8
1778	Zn-catalysed growth and optical properties of modulated ZnO hierarchical nanostructures. Journal of Experimental Nanoscience, 2012, 7, 513-519.	1.3	4
1779	The study of undoped ZnO/p-Si (111) thin films prepared by R.F. magnetron sputtering. , 2012, , .		0
1780	ORGANIC CuPc COATING INDUCED IMPROVED PHOTOLUMINESCENCE AND PHOTOCONDUCTIVITY OF ZnO NANOWIRES ARRAY. Functional Materials Letters, 2012, 05, 1250021.	0.7	3
1781	Fabrication and resistive switching characteristics of high compact Ga-doped ZnO nanorod thin film devices. Nanotechnology, 2012, 23, 145201.	1.3	50

#	ARTICLE	IF	CITATIONS
1782	Optical properties of amorphous ZnO thin film prepared from boiled Zn thin film in ultra high pure water. EPJ Applied Physics, 2012, 58, 30301.	0.3	4
1783	Study on Electronic Properties of ZnO Doped with Cr, Mn and Co by First Principles. Key Engineering Materials, 2012, 512-515, 1257-1262.	0.4	0
1784	Preparation and Photoluminescence Properties of ZnO-Covered Carbon Fibers. Advanced Materials Research, 2012, 463-464, 510-514.	0.3	1
1785	Photoluminescence Properties of SnO ₂ -H ₂ O Phosphor. ECS Journal of Solid State Science and Technology, 2012, 1, R15-R21.	0.9	15
1786	Photoluminescence of Zinc Oxide Nanowires: The Effect of Surface Band Bending. , 2012, 2012, 1-6.		28
1787	Luminescence and Structure of ZnO Grown by Physical Vapor Deposition. Advances in Materials Science and Engineering, 2012, 2012, 1-5.	1.0	13
1788	Shape Transformation of ZnO Nanorods /Nanotubes at Low Temperature. Current Nanoscience, 2012, 8, 156-160.	0.7	2
1789	ZnO nano-rectangular framework-like structure from zinc hydroxide acetate plates. Journal of the Ceramic Society of Japan, 2012, 120, 171-174.	0.5	6
1791	Gram-scale Synthesis of Zinc Oxide Nanorods in Basic Ethanol Solutions. Chemistry Letters, 2012, 41, 1137-1138.	0.7	4
1792	Electrical Properties and Reliability of ZnO-Based Nanorod Current Emitters. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2012, 2, 1143-1150.	1.4	1
1793	Biochemical-, Biophysical-, and Microarray-Based Antifungal Evaluation of the Buffer-Mediated Synthesized Nano Zinc Oxide: An in Vivo and in Vitro Toxicity Study. Langmuir, 2012, 28, 16966-16978.	1.6	97
1794	Tailoring the charge carrier dynamics in ZnO nanowires: the role of surface hole/electron traps. Physical Chemistry Chemical Physics, 2012, 14, 3075.	1.3	56
1795	Facile Fabrication of Heterostructured Bi ₂ O ₃ -ZnO Photocatalyst and Its Enhanced Photocatalytic Activity. Journal of Physical Chemistry C, 2012, 116, 26306-26312.	1.5	260
1796	Zinc oxide (ZnO) grown on sapphire substrate using dual-plasma-enhanced metal organic vapor deposition (DPEMOCVD) and its application. Applied Surface Science, 2012, 261, 857-862.	3.1	6
1797	High-performance photodetectors, photocatalysts, and gas sensors based on polyol reflux synthesized porous ZnO nanosheets. CrystEngComm, 2012, 14, 4582.	1.3	46
1798	Field Emission Properties and Reliability of ZnO Nanorod, Nanopagoda, and Nanotip Current Emitters. IEEE Nanotechnology Magazine, 2012, 11, 746-750.	1.1	12
1799	Synthesis, characterization and cathodoluminescence of self-assembled 1D ZnO/In ₂ O ₃ nano-heterostructures. CrystEngComm, 2012, 14, 6888.	1.3	21
1800	Nd-doped ZnO as a multifunctional nanomaterial. Journal of Rare Earths, 2012, 30, 761-768.	2.5	63

#	ARTICLE	IF	CITATIONS
1801	Anatase TiO ₂ nanoparticles synthesis via simple hydrothermal route: Degradation of Orange II, Methyl Orange and Rhodamine B. <i>Journal of Molecular Catalysis A</i> , 2012, 363-364, 223-229.	4.8	65
1803	Dipole Field Guided Orientated Attachment of Nanocrystals to Twin Brush ZnO Mesocrystals. <i>Chemistry - A European Journal</i> , 2012, 18, 16104-16113.	1.7	32
1804	Effects of annealing temperature on the structure, photoluminescence and ferromagnetism properties of Cr-implanted ZnO nanowires. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 109, 163-168.	1.1	3
1805	Enhanced Raman scattering and nonlinear conductivity in Ag-doped hollow ZnO microspheres. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 109, 15-23.	1.1	9
1806	Nickel-induced microwheel-like surface morphological evolution of ZnO thin films by spray pyrolysis. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 109, 591-599.	1.1	11
1807	Preparation of cytocompatible luminescent and magnetic nanohybrids based on ZnO, Zn _{0.95} Ni _{0.05} O and core@shell ZnO@Fe ₂ O ₃ polymer grafted nanoparticles for biomedical imaging. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	9
1808	Synthesis and characterization of nanostructured zinc oxide particles synthesized by the pyrosol method. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	33
1809	Effects of thickness and atmospheric annealing on structural, electrical and optical properties of GZO thin films by spray pyrolysis. <i>Journal of Alloys and Compounds</i> , 2012, 541, 495-504.	2.8	67
1810	Controlled synthesis of star-shaped zinc oxide particles at low temperatures and their quantum size effect. <i>Journal of Alloys and Compounds</i> , 2012, 541, 338-345.	2.8	8
1811	Preparation of zinc oxide particles by using layered basic zinc acetate as a precursor. <i>Journal of Alloys and Compounds</i> , 2012, 544, 67-72.	2.8	13
1812	Synthesis and characterization of doxorubicin modified ZnO/PEG nanomaterials and its photodynamic action. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012, 116, 56-65.	1.7	77
1813	Low-temperature hydrothermal growth of ZnO nanorods on sol-gel prepared ZnO seed layers: Optimal growth conditions. <i>Thin Solid Films</i> , 2012, 524, 144-150.	0.8	34
1814	Efficacy of highly water-dispersed fabricated nano ZnO against clinically isolated bacterial strains. <i>Applied Nanoscience (Switzerland)</i> , 2012, 2, 231-238.	1.6	26
1815	Structural and blue emission properties of Al-doped ZnO nanorod array thin films grown by hydrothermal method. <i>Electronic Materials Letters</i> , 2012, 8, 445-450.	1.0	46
1816	Photoluminescence Properties of Zinc Oxide in Paints: A Study of the Effect of Self-Absorption and Passivation. <i>Applied Spectroscopy</i> , 2012, 66, 1233-1241.	1.2	45
1817	Effect of Mg doping on photoluminescence of ZnO/MCM-41 nanocomposite. <i>Ceramics International</i> , 2012, 38, 5949-5956.	2.3	14
1818	Magnetic and optical properties of znO nanowire arrays synthesized by a simple hydrothermal process. , 2012, , .		0
1819	Synthesis of water-soluble β -aminopropyl triethoxysilane-capped ZnO:MgO nanocrystals with biocompatibility. <i>CrystEngComm</i> , 2012, 14, 613-619.	1.3	26

#	ARTICLE	IF	CITATIONS
1820	Chemical synthesis of CoO@ZnO:Co hetero-nanostructures and their ferromagnetism at room temperature. <i>CrystEngComm</i> , 2012, 14, 5390.	1.3	5
1821	Preparation of water-dispersible poly[aniline-co-sodium N-(1-one-butyric acid) aniline]@zinc oxide nanocomposite for utilization in an electrochemical sensor. <i>Journal of Materials Chemistry</i> , 2012, 22, 13252.	6.7	10
1822	Field-Emission Characteristics of Zinc Oxide Nanowires Using Low-Temperature Supercritical Carbon Dioxide Fluid Method. <i>IEEE Electron Device Letters</i> , 2012, 33, 119-121.	2.2	1
1823	Zn _x Ga ₂ O _{3-x} (0 ≤ x ≤ 1) solid solution nanocrystals: tunable composition and optical properties. <i>Journal of Materials Chemistry</i> , 2012, 22, 653-659.	6.7	35
1824	Micro-Nanometer Parasitic Crystal Growth and Photoluminescence Property of Unique Screw-Cone Like Zn ₂ GeO ₄ -ZnO by Combustion Oxidization. <i>Chinese Physics Letters</i> , 2012, 29, 108101.	1.3	1
1825	Optical and electrical properties of ZnO thin films grown by sol-gel method. , 2012, , .		0
1826	Enhanced photoactivity and stability of carbon and nitrogen co-treated ZnO nanorod arrays for photoelectrochemical water splitting. <i>Journal of Materials Chemistry</i> , 2012, 22, 14272.	6.7	85
1827	Thermally activated below-band-gap excitation behind green photoluminescence in ZnO. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	40
1828	Structural and Luminescence Properties of Highly Crystalline ZnO Nanoparticles Prepared by Sol-Gel Method. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 04DG13.	0.8	12
1829	Fabrication of tridoped p-ZnO thin film and homojunction by RF magnetron sputtering. <i>Ceramics International</i> , 2012, 38, 6221-6227.	2.3	6
1830	Assembling ZnO Nanorods into Microflowers through a Facile Solution Strategy: Morphology Control and Cathodoluminescence Properties. <i>Nano-Micro Letters</i> , 2012, 4, 45-51.	14.4	39
1831	Synthesis and Characterization of Rare Earth Ion Doped Nano ZnO. <i>Nano-Micro Letters</i> , 2012, 4, 65-72.	14.4	115
1832	Ambipolar Behaviors of Hydrogen-Incorporated ZnO Nanowires. <i>Journal of Physical Chemistry C</i> , 2012, 116, 8210-8215.	1.5	8
1833	Surface Polarity-Dependent Cathodoluminescence in Hydrothermally Grown ZnO Hexagonal Rods. <i>Journal of Physical Chemistry C</i> , 2012, 116, 456-460.	1.5	27
1834	Defect-Mediated Energy Transfer between ZnO Nanocrystals and a Conjugated Dye. <i>Journal of Physical Chemistry C</i> , 2012, 116, 3305-3310.	1.5	44
1835	Aloe barbadensis Miller mediated green synthesis of mono-disperse copper oxide nanoparticles: Optical properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 97, 1140-1144.	2.0	231
1836	Structural, optical, FTIR and photoluminescence properties of Zn _{0.96} Co _{0.04} Cu _x O (x=0.03, 0.04 and) Tj ETQq0 0.0 rgBT /Qverlock 1	1.3	37
1837	Influence of the annealing atmosphere on structural, optical and magnetic properties of Co-doped ZnO microrods. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012, 44, 1244-1249.	1.3	7

#	ARTICLE	IF	CITATIONS
1838	Synthesis, characterization and room temperature photoluminescence properties of Al doped ZnO nanorods. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012, 44, 1399-1405.	1.3	32
1839	A facile room temperature electrochemical deposition of pyramidal ZnO nanostructures: Suppressing the green emission. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012, 44, 1853-1856.	1.3	8
1840	Synthesis, structural and optical properties of nanocrystalline vanadium doped zinc oxide aerogel. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012, 44, 1910-1915.	1.3	52
1841	Blue-green and red luminescence from ZnO/porous silicon and ZnO:Cu/porous silicon nanocomposite films. <i>Superlattices and Microstructures</i> , 2012, 52, 210-220.	1.4	34
1842	On the investigation of electronic defect states in ZnO thin films by space charge spectroscopy with optical excitation. <i>Solid-State Electronics</i> , 2012, 75, 48-54.	0.8	9
1843	Band gap engineering of TiO ₂ nanostructure-based dye solar cells (DSCs) fabricated via electrophoresis. <i>Surface and Coatings Technology</i> , 2012, 206, 4531-4538.	2.2	27
1844	Anions effect on the low temperature growth of ZnO nanostructures. <i>Vacuum</i> , 2012, 86, 1998-2001.	1.6	22
1845	A transient electron transport analysis of bulk wurtzite zinc oxide. <i>Journal of Applied Physics</i> , 2012, 112, 033720.	1.1	19
1846	EPR and photoluminescence spectroscopy studies on the defect structure of ZnO nanocrystals. <i>Physical Review B</i> , 2012, 86, .	1.1	300
1847	Enzyme-conjugated ZnO nanocrystals for collisional quenching-based glucose sensing. <i>CrystEngComm</i> , 2012, 14, 2859.	1.3	35
1848	A threshold of Vo ⁺ /Vo ⁺⁺ to room temperature ferromagnetism of hydrogenated Mn doped ZnO nanoparticles. <i>Applied Surface Science</i> , 2012, 258, 3350-3353.	3.1	27
1849	Novel horseshoe-shaped ZnO nanorods and their optical properties. <i>Applied Surface Science</i> , 2012, 258, 4365-4369.	3.1	3
1850	Optimal Zn/O ratio in vapor phase for the synthesis of high quality ZnO tetrapod nanocrystals via thermal evaporation of Zn in Air. <i>Applied Surface Science</i> , 2012, 259, 562-565.	3.1	17
1851	Substrate-tilt angle effect on structural and optical properties of sputtered ZnO film. <i>Applied Surface Science</i> , 2012, 259, 747-753.	3.1	18
1852	Size, morphology and optical properties of SnO ₂ nanoparticles synthesized by facile surfactant-assisted solvothermal processing. <i>Materials Science in Semiconductor Processing</i> , 2012, 15, 393-400.	1.9	28
1853	Synthesis and characterization of sol-gel derived gallium-doped zinc oxide thin films. <i>Journal of Alloys and Compounds</i> , 2012, 512, 216-222.	2.8	125
1854	Dual codoping for the fabrication of low resistive p-ZnO. <i>Journal of Alloys and Compounds</i> , 2012, 512, 235-240.	2.8	12
1855	Integrated ZnO nanotube arrays as efficient dye-sensitized solar cells. <i>Journal of Alloys and Compounds</i> , 2012, 529, 163-168.	2.8	36

#	ARTICLE	IF	CITATIONS
1856	ZnO nanoparticles: Structural, optical and photoconductivity characteristics. Journal of Alloys and Compounds, 2012, 539, 1-6.	2.8	94
1857	Growth behavior and photoluminescence properties of ZnO nanowires on gold nano-particle coated Si surfaces. Journal of Crystal Growth, 2012, 340, 83-86.	0.7	5
1858	Improved thin film transistor performance of solution-processed-zinc-oxide nanorods with spin-on-glass capping layer. Current Applied Physics, 2012, 12, e18-e23.	1.1	4
1859	Highly enhanced UV emission due to surface plasmon resonance in Ag@ZnO nanorods. Chemical Physics Letters, 2012, 542, 110-116.	1.2	68
1860	ZnO Oxygen Vacancies Formation and Filling Followed by in Situ Photoluminescence and in Situ EPR. Journal of Physical Chemistry C, 2012, 116, 21297-21307.	1.5	164
1861	Characterization of ZnO nanoparticles grown in presence of Folic acid template. Journal of Nanobiotechnology, 2012, 10, 29.	4.2	82
1862	Anomalous luminescence phenomena of indium-doped ZnO nanostructures grown on Si substrates by the hydrothermal method. Nanoscale Research Letters, 2012, 7, 270.	3.1	13
1863	One-step synthesis of ZnO nanosheets: a blue-white fluorophore. Nanoscale Research Letters, 2012, 7, 470.	3.1	317
1864	Optical Materials. , 2012, , 285-322.		15
1865	Visible Photoluminescence Components of Solution-Grown ZnO Nanowires: Influence of the Surface Depletion Layer. Journal of Physical Chemistry C, 2012, 116, 19496-19502.	1.5	33
1866	Effects of post-annealing temperature on the properties of ZnO nanorods grown on homogenous seed-layers by using the hydrothermal method. Journal of the Korean Physical Society, 2012, 60, 1605-1610.	0.3	2
1867	Enhanced native acceptor-related blue emission of ZnO thin films annealed in an oxygen ambient. Journal of the Korean Physical Society, 2012, 60, 1939-1943.	0.3	4
1868	Structural and optical properties of annealed ZnO single crystals in a helium ambient. Journal of the Korean Physical Society, 2012, 61, 1687-1690.	0.3	1
1869	The Role of Defects in Functional Oxide Nanostructures. Springer Series in Materials Science, 2012, , 37-68.	0.4	4
1870	Ag Nanoparticle Decorated Nanoporous ZnO Microrods and Their Enhanced Photocatalytic Activities. ACS Applied Materials & Interfaces, 2012, 4, 6030-6037.	4.0	292
1871	Shape-controlled synthesis of ZnSn(OH) ₆ crystallites and their HCHO-sensing properties. CrystEngComm, 2012, 14, 3380.	1.3	54
1872	Morphology-controllable electrochemical synthesis and photoluminescence properties of ZnO nanocrystals with porous structures. CrystEngComm, 2012, 14, 7450.	1.3	12
1873	Exploring exciton-plasmon coupling in laser- and electron-beam-fabricated nanostructures. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
1874	Epitaxial growth of ZnO film on Si(111) with CeO ₂ as buffer layer. Journal of Applied Physics, 2012, 45, 415306.	1.3	8
1875	Synthesis, band-gap tuning, structural and optical investigations of Mg doped ZnO nanowires. CrystEngComm, 2012, 14, 5898.	1.3	117
1876	Synthesis and Characterization of Transition Metals Doped ZnO Nanorods. Journal of Materials Science and Technology, 2012, 28, 587-593.	5.6	94
1877	Impact of sintering temperature on the structural, electrical, and optical properties of doped ZnO nanoparticle-based discs. Applied Surface Science, 2012, 261, 128-136.	3.1	14
1878	Temperature-dependent shifts of near band-edge emission and their second-order diffraction for ZnO nanorods. Optical Materials, 2012, 34, 1917-1920.	1.7	20
1879	Structural, FTIR and photoluminescence studies of Cu doped ZnO nanopowders by co-precipitation method. Optical Materials, 2012, 34, 1946-1953.	1.7	455
1880	Solvent-less synthesis of zinc oxide nanostructures from Zn(salen) as precursor and their optical properties. Particuology, 2012, 10, 759-764.	2.0	47
1881	Spectroscopic investigations of Fe ³⁺ doped poly vinyl alcohol (PVA) capped ZnSe nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 98, 100-104.	2.0	15
1882	Low-temperature, catalyst-free vapor-phase solid growth of ultralong ZnO nanowires. Materials Chemistry and Physics, 2012, 136, 455-459.	2.0	4
1883	Epitaxial growth of non-polar m-plane ZnO thin films by pulsed laser deposition. Materials Research Bulletin, 2012, 47, 2235-2238.	2.7	8
1884	Enhanced photoluminescence of single crystalline ZnO nanotubes in ZnAl ₂ O ₄ shell. CrystEngComm, 2012, 14, 1205.	1.3	8
1885	Photoluminescence investigation of crystalline undoped ZnO nanostructures constructed by RF sputtering. Scientia Iranica, 2012, 19, 934-942.	0.3	19
1886	Influence of confinement regimes on magnetic property of pristine SnO ₂ quantum dots. Journal of Materials Chemistry, 2012, 22, 24545.	6.7	48
1887	ZnO plates synthesized from the ammonium zinc nitrate hydroxide precursor. CrystEngComm, 2012, 14, 154-159.	1.3	34
1888	Surface characterization of Au-ZnO nanowire films. Ceramics International, 2012, 38, 6665-6670.	2.3	30
1889	Influence of pH on ZnO nanocrystalline thin films prepared by sol-gel dip coating method. Bulletin of Materials Science, 2012, 35, 327-331.	0.8	41
1890	Generation of Zn ₂ SiO ₄ Nanocrystallites in a Shell of ZnO/SiO _x Core-Shell Nanowires to Change Photoluminescence Properties. Metals and Materials International, 2012, 18, 705-710.	1.8	4
1891	Resistive Switching in Single Epitaxial ZnO Nanoislands. ACS Nano, 2012, 6, 1051-1058.	7.3	118

#	ARTICLE	IF	CITATIONS
1892	Synthesis of dumbbell-like ZnO microcrystals via a simple solution route. <i>Nanoscale Research Letters</i> , 2012, 7, 507.	3.1	25
1893	Vertically Aligned ZnO Nanorods on Hot Filament Chemical Vapor Deposition Grown Graphene Oxide Thin Film Substrate: Solar Energy Conversion. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 4405-4412.	4.0	85
1894	p-TYPE NITROGEN-DOPED ZnO MICRORODS PREPARATION BY SPRAY PYROLYSIS. <i>Surface Review and Letters</i> , 2012, 19, 1250051.	0.5	4
1895	Enhanced room-temperature ferromagnetism in un-doped ZnO thin films by thermal annealing in a strong magnetic field. <i>Journal of Applied Physics</i> , 2012, 111, 103524.	1.1	16
1896	ZnO nanowire based visible-transparent ultraviolet detectors on polymer substrates. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	42
1897	Crystal-Growth Process of Single-Crystal-like Mesoporous ZnO through a Competitive Reaction in Solution. <i>Crystal Growth and Design</i> , 2012, 12, 2923-2931.	1.4	22
1898	Size Dependence of Defect-Induced Room Temperature Ferromagnetism in Undoped ZnO Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2012, 116, 8813-8818.	1.5	201
1899	Functional Metal Oxide Nanostructures. <i>Springer Series in Materials Science</i> , 2012, , .	0.4	26
1900	Enhanced Electrical, Optical, and Magnetic Properties in Multifunctional ZnO/Fe ₂ O ₃ Semiconductor Nanoheterostructures by Heterojunction Engineering. <i>Journal of Physical Chemistry C</i> , 2012, 116, 23540-23546.	1.5	55
1901	Kinetic Study of Organic Dye Degradation Using ZnO Particles with Different Morphologies as a Photocatalyst. <i>International Journal of Inorganic Chemistry</i> , 2012, 2012, 1-9.	0.6	74
1902	Multicolor Luminescence from Semiconductor Nanocrystal Composites Tunable in an Electric Field. , 2012, , .		2
1903	Synthesis and Characterization of ZnO Nanowires by Thermal Oxidation of Zn Thin Films at Various Temperatures. <i>Molecules</i> , 2012, 17, 5021-5029.	1.7	67
1904	Sphere Arrays of Aligned ZnO Nanorod Grown by Vapor Phase Transport and Hydrothermal Reaction. <i>Nanoscience and Nanotechnology - Asia</i> , 2012, 1, 86-90.	0.3	0
1905	Diameter- and density-controlled synthesis of well-aligned ZnO nanowire arrays and their properties using a thermal evaporation technique. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012, 209, 1498-1510.	0.8	15
1906	Effect of high temperature annealing on defects and optical properties of ZnO single crystals. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012, 209, 2126-2130.	0.8	17
1907	Effect of vacuum annealing on the structural, optical, and electrical properties of spray-deposited Ga-doped ZnO thin films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012, 209, 1481-1486.	0.8	14
1908	Organic photovoltaics with high stability sustained for 100 days without encapsulation fabricated using atomic layer deposition. <i>Physica Status Solidi - Rapid Research Letters</i> , 2012, 6, 196-198.	1.2	14
1909	Visible-light photoresponse in a hollow microtube-like nanowire structure made of carbon-doped ZnO. <i>CrystEngComm</i> , 2012, 14, 2886.	1.3	23

#	ARTICLE	IF	CITATIONS
1910	Enhanced Photoluminescence of ZnO Langmuir-Blodgett Films on Gold-Coated Substrates by Plasmonic Coupling. <i>Journal of Physical Chemistry C</i> , 2012, 116, 15667-15674.	1.5	7
1911	Substrate effect on the room-temperature ferromagnetism in un-doped ZnO films. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	36
1912	Guided Growth of Horizontal ZnO Nanowires with Controlled Orientations on Flat and Faceted Sapphire Surfaces. <i>ACS Nano</i> , 2012, 6, 6433-6445.	7.3	100
1913	Spatially-resolved study of the luminescence from ZnO/MgO core-shell nanocrystal structures. <i>Journal of the Korean Physical Society</i> , 2012, 60, 481-484.	0.3	0
1914	Tuning the Potentials of e^- Electrons in Colloidal n-Type ZnO Nanocrystals via Mg^{2+} Substitution. <i>Journal of the American Chemical Society</i> , 2012, 134, 7937-7943.	6.6	63
1915	A facile method to synthesize nanosized metal oxides from their corresponding bulk materials. <i>CrystEngComm</i> , 2012, 14, 5937.	1.3	11
1916	Synthesis of Porous Zinc Gallate Prisms Composed of Highly Oriented Nanoparticles by an In Situ Conversion Reaction. <i>Chemistry - A European Journal</i> , 2012, 18, 5367-5373.	1.7	7
1917	Surface-Plasmon-Enhanced Band Emission of ZnO Nanoflowers Decorated with Au Nanoparticles. <i>Chemistry - A European Journal</i> , 2012, 18, 7467-7472.	1.7	52
1918	Simple coating technique for 2-dimensional zinc oxide nanostructure. <i>Crystal Research and Technology</i> , 2012, 47, 630-634.	0.6	0
1919	Optical and magnetic properties of Nd-doped ZnO nanoparticles. <i>Crystal Research and Technology</i> , 2012, 47, 713-718.	0.6	61
1920	A Comparative Study of the Properties of ZnO Nano/Microstructures Grown using Two Types of Thermal Evaporation Setup Conditions. <i>Chemical Vapor Deposition</i> , 2012, 18, 215-220.	1.4	48
1921	Oxygen vacancy-induced ferromagnetism in un-doped ZnO thin films. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	125
1922	Strong Metal-Support Interactions between Gold Nanoparticles and ZnO Nanorods in CO Oxidation. <i>Journal of the American Chemical Society</i> , 2012, 134, 10251-10258.	6.6	518
1923	Cu-Doped ZnO Hemispherical Shell Structures: Synthesis and Room-Temperature Ferromagnetism Properties. <i>Journal of Physical Chemistry C</i> , 2012, 116, 13368-13373.	1.5	35
1924	Effects of different sintering atmosphere on the structure and properties of Cu-doped ZnO powders prepared by sol-gel method. <i>Journal of Materials Science: Materials in Electronics</i> , 2012, 23, 832-836.	1.1	9
1925	Structural, optical and photoluminescence studies of heavily Mn-doped ZnO nanoparticles annealed under Ar atmosphere. <i>Journal of Materials Science: Materials in Electronics</i> , 2012, 23, 1393-1401.	1.1	29
1926	Structural, optical and photoluminescence properties of $\text{Zn}_{1-x}\text{Ce}_x\text{O}$ ($x=0, 0.05$ and 0.1) nanoparticles by sol-gel method annealed under Ar atmosphere. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 62, 193-200.	1.1	51
1927	Vertically aligned ZnO-ZnGa ₂ O ₄ core-shell nanowires: from synthesis to optical properties. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	12

#	ARTICLE	IF	CITATIONS
1928	Impact of Parylene-A Encapsulation on ZnO Nanobridge Sensors and Sensitivity Enhancement via Continuous Ultraviolet Illumination. <i>Journal of Electronic Materials</i> , 2012, 41, 873-880.	1.0	1
1929	Effect of annealing atmosphere on magnetic properties of pure ZnO and Na: ZnO films. <i>Rare Metals</i> , 2012, 31, 27-30.	3.6	11
1930	Metal Oxides Mono-Dimensional Nanostructures for Gas Sensing and Light Emission. <i>Journal of the American Ceramic Society</i> , 2012, 95, 831-850.	1.9	11
1931	A study on the photoluminescence properties of electrospray deposited amorphous and crystalline nanostructured ZnO thin films. <i>Ceramics International</i> , 2012, 38, 1975-1980.	2.3	24
1932	Optical properties of SnO ₂ quantum dots synthesized by laser ablation in liquid. <i>Chemical Physics Letters</i> , 2012, 536, 87-91.	1.2	82
1933	Simple hydrothermal route to synthesise a nanocrystalline ZnO/PVP composite film and its optical property. <i>Micro and Nano Letters</i> , 2012, 7, 523.	0.6	2
1934	The synthesis and properties of ZnO-graphene nano hybrid for photodegradation of organic pollutant in water. <i>Materials Chemistry and Physics</i> , 2012, 132, 673-681.	2.0	222
1935	Structural, electrical and photoluminescence properties of ZnO:Al network films grown on nanochannel Al ₂ O ₃ substrates by direct current magnetron sputtering with an oblique target. <i>Materials Chemistry and Physics</i> , 2012, 133, 507-514.	2.0	2
1936	ZnO morphological, structural and optical properties control by electrodeposition potential sweep rate. <i>Materials Chemistry and Physics</i> , 2012, 134, 988-993.	2.0	13
1937	A study on rapid growth and piezoelectric effect of ZnO nanowires array. <i>Materials Chemistry and Physics</i> , 2012, 135, 112-116.	2.0	7
1938	Electrical and optical characteristics of surface treated ZnO nanotubes. <i>Materials Research Bulletin</i> , 2012, 47, 1887-1891.	2.7	14
1939	Ionic liquid-assisted, facile synthesis of ZnO/SnO ₂ nanocomposites, and investigation of their photocatalytic activity. <i>Materials Letters</i> , 2012, 68, 17-20.	1.3	32
1940	Growth of p-type a-plane ZnO thin films on r-plane sapphire substrates by plasma-assisted molecular beam epitaxy. <i>Materials Letters</i> , 2012, 71, 18-20.	1.3	34
1941	Fabrication of fern-like, fish skeleton-like, and butterfly-like BaO nanostructures as nanofillers for radar-absorbing nanocomposites. <i>Materials Letters</i> , 2012, 74, 33-36.	1.3	5
1942	Enhanced photocatalytic activity of metal coated ZnO nanowires. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 93, 100-105.	2.0	52
1943	ZnO nanorods grown on polymer substrates as UV photodetectors. <i>Sensors and Actuators A: Physical</i> , 2012, 178, 26-31.	2.0	86
1944	Enhanced glucose detection using enzyme-immobilized ZnO/ZnS core/sheath nanowires. <i>Sensors and Actuators B: Chemical</i> , 2012, 161, 453-459.	4.0	36
1945	Tunable electroluminescence from n-ZnCdO/p-GaN heterojunction. <i>Journal of Physics and Chemistry of Solids</i> , 2012, 73, 217-220.	1.9	9

#	ARTICLE	IF	CITATIONS
1946	Evolutions of defects and blue-green emissions in ZnO microwhiskers fabricated by vapor-phase transport. <i>Journal of Physics and Chemistry of Solids</i> , 2012, 73, 858-862.	1.9	32
1947	Origin of room temperature d ⁰ ferromagnetism and characteristic photoluminescence in pristine SnO ₂ nanowires: A correlation. <i>Journal of Solid State Chemistry</i> , 2012, 186, 278-282.	1.4	41
1948	Growth and great UV emission improvement of highly crystalline quality core-shell ZnO/MgO nanowires. <i>Materials Letters</i> , 2012, 84, 147-150.	1.3	18
1949	Synthesis of vertical arrays of ultra long ZnO nanowires on noncrystalline substrates. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2012, 177, 132-139.	1.7	10
1950	Photoluminescence study of ZnO nanostructures grown on silicon by MOCVD. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2012, 177, 594-599.	1.7	25
1951	Annealing effect and photoluminescence properties in Tm ⁺ -implanted ZnO crystal. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2012, 274, 172-176.	0.6	4
1952	Waveguide effect in ZnO crystal by He ⁺ ions implantation: Analysis of optical confinement from implant-induced lattice damage. <i>Optics Communications</i> , 2012, 285, 1225-1228.	1.0	6
1953	Correlation between structure and photoluminescence of c-axis oriented nanocrystalline ZnO films and evolution of photo-generated excitons. <i>Solar Energy Materials and Solar Cells</i> , 2012, 96, 117-123.	3.0	11
1954	Synthesis and properties of ZnO hexagonal prisms synthesized on MgO-coated Si (111) substrates. <i>Superlattices and Microstructures</i> , 2012, 51, 80-85.	1.4	0
1955	Structural and optical properties of ZnO and Al-doped ZnO microrods obtained by spray pyrolysis method using different solvents. <i>Superlattices and Microstructures</i> , 2012, 51, 372-380.	1.4	36
1956	Synthesis, characterization and photoluminescence of ZnO:Cd rosette-like nanostructures using solution process. <i>Superlattices and Microstructures</i> , 2012, 51, 506-511.	1.4	83
1957	Effects of morphology on photocatalytic performance of Zinc oxide nanostructures synthesized by rapid microwave irradiation methods. <i>Superlattices and Microstructures</i> , 2012, 51, 512-522.	1.4	155
1958	Synthesis by sol-gel process, structural and optical properties of nanoparticles of zinc oxide doped vanadium. <i>Superlattices and Microstructures</i> , 2012, 51, 942-951.	1.4	46
1959	Enhancement of optical properties and donor-related emissions in Y-doped ZnO. <i>Superlattices and Microstructures</i> , 2012, 52, 84-91.	1.4	39
1960	Artificial control of 2D ZnO patterns using interference patterning of photodynamic polymer. <i>Superlattices and Microstructures</i> , 2012, 51, 854-859.	1.4	0
1961	Modified thermal evaporation process using GeO ₂ for growing ZnO structures. <i>Superlattices and Microstructures</i> , 2012, 52, 33-40.	1.4	8
1962	Preparation of transparent ZnO thin films and their application in UV sensor devices. <i>Solid-State Electronics</i> , 2012, 73, 44-50.	0.8	116
1963	Low-emitting surfaces prepared by applying transparent aluminum-doped zinc oxide coatings via a sol-gel process. <i>Thin Solid Films</i> , 2012, 520, 4114-4118.	0.8	18

#	ARTICLE	IF	CITATIONS
1964	Effect of precursor concentration on structural and optical properties of ZnO microrods by spray pyrolysis. <i>Thin Solid Films</i> , 2012, 520, 2132-2135.	0.8	22
1965	Control of aluminum doping of ZnO:Al thin films obtained by high-power impulse magnetron sputtering. <i>Thin Solid Films</i> , 2012, 520, 4305-4309.	0.8	15
1966	Stable p-type conductivity and enhanced photoconductivity from nitrogen-doped annealed ZnO thin film. <i>Thin Solid Films</i> , 2012, 520, 5000-5006.	0.8	82
1967	Zinc oxide nanoparticles: A study of defect level blue-green emission. <i>Optical Materials</i> , 2012, 34, 817-820.	1.7	25
1968	Synthesis and characterization of ZnO nanoparticles using polyethylene glycol (PEG). <i>Physica B: Condensed Matter</i> , 2012, 407, 1668-1671.	1.3	43
1969	Strong violet emission from zinc oxide dumbbell-like microrods and nanowires. <i>Journal of Luminescence</i> , 2012, 132, 1879-1884.	1.5	24
1970	Effect of Mn doping on the structural and optical properties of sol-gel derived ZnO nanoparticles. <i>Open Physics</i> , 2012, 10, .	0.8	11
1971	Effects of growth temperature on the structural and the optical properties of ZnO thin films on porous silicon grown by using plasma-assisted molecular beam epitaxy. <i>Journal of the Korean Physical Society</i> , 2012, 60, 1570-1575.	0.3	3
1972	Effects of post-heat-treatment temperature for seed layers on the properties of ZnO nanostructures grown by using the hydrothermal method. <i>Journal of the Korean Physical Society</i> , 2012, 60, 1593-1598.	0.3	5
1973	Heat induced nanoforms of zinc oxide quantum dots and their characterization. <i>Semiconductors</i> , 2012, 46, 171-174.	0.2	1
1974	Tuning the Properties of ZnO, Hematite, and Ag Nanoparticles by Adjusting the Surface Charge. <i>Advanced Materials</i> , 2012, 24, 1232-1237.	11.1	18
1975	Surface coating effect on field emission performance of ZnO nanowires. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 106, 557-562.	1.1	0
1976	Optical and sensor properties of ZnO nanostructure grown by thermal oxidation in dry or wet nitrogen. <i>Journal of Electroceramics</i> , 2012, 28, 27-33.	0.8	12
1977	Self-aligned nanocrystalline ZnO hexagons by facile solid-state and co-precipitation route. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	3
1978	Control of oxygen vacancy concentration in ZnO nanowires containing sulfur as a reducing agent. <i>Electronic Materials Letters</i> , 2013, 9, 273-277.	1.0	4
1979	Growth, doping, and characterization of ZnO nanowire arrays. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2013, 31, .	0.6	11
1980	Photocatalytic activities of multilayered ZnO-based thin films prepared by sol-gel route: effect of SnO ₂ heterojunction layer. <i>Journal of Sol-Gel Science and Technology</i> , 2013, 65, 178-188.	1.1	9
1981	Preliminary investigations on the antibacterial activity of zinc oxide nanostructures. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	9

#	ARTICLE	IF	CITATIONS
1982	A study on the mechanism for the interaction of light with noble metal-metal oxide semiconductor nanostructures for various photophysical applications. <i>Chemical Society Reviews</i> , 2013, 42, 8467.	18.7	509
1983	Effect of substrate temperature on the properties of ZnO thin films prepared by spray pyrolysis. <i>Materials Science in Semiconductor Processing</i> , 2013, 16, 245-249.	1.9	54
1984	Ultraviolet photoresponse properties of ZnO:N/p-Si and ZnO/p-Si heterojunctions. <i>Sensors and Actuators A: Physical</i> , 2013, 199, 123-128.	2.0	34
1985	Noise Properties of ZnO Nanowalls Deposited Using Rapid Thermal Evaporation Technology. <i>IEEE Photonics Technology Letters</i> , 2013, 25, 213-216.	1.3	7
1986	Tuning the optical and electrical properties of hydrothermally grown ZnO nanowires by sealed post annealing treatment. <i>Solid State Communications</i> , 2013, 160, 41-46.	0.9	12
1987	Effect of preparation parameters on the morphologically induced photocatalytic activities of hierarchical zinc oxide nanostructures. <i>Ceramics International</i> , 2013, 39, 7367-7378.	2.3	39
1988	Ethanol sensing properties of porous ZnO spheres via hydrothermal route. <i>Journal of Materials Science</i> , 2013, 48, 3232-3238.	1.7	48
1989	Effect of solvents on the structural, optical and morphological properties of Zn _{0.96} Cu _{0.04} O nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 4050-4059.	1.1	12
1990	A structural property study on the role of Sm ions in nano-textured Zn(1- λ)Sm λ O thin films for green emission. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 2796-2802.	1.1	4
1991	Effect of growth temperature on structural, electrical and optical properties of dual ion beam sputtered ZnO thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 2541-2547.	1.1	52
1992	Microwave assisted hydrothermal synthesis of mesoporous SnO ₂ nanoparticles for ethanol sensing and degradation. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 2082-2090.	1.1	23
1993	Defect-Induced Loss Mechanisms in Polymer-Inorganic Planar Heterojunction Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 7215-7218.	4.0	51
1994	Oxygen vacancy induced band gap narrowing of ZnO nanostructures by an electrochemically active biofilm. <i>Nanoscale</i> , 2013, 5, 9238.	2.8	523
1995	Self-Induced Gate Dielectric for Graphene Field-Effect Transistor. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 6443-6446.	4.0	8
1996	SnO ₂ thin films doped indium prepared by the sol-gel method: structure, electrical and photoluminescence properties. <i>Journal of Sol-Gel Science and Technology</i> , 2013, 67, 29-38.	1.1	15
1997	Structural and optical properties of Yb-doped ZnO films deposited by magnetron reactive sputtering for photon conversion. <i>Solar Energy Materials and Solar Cells</i> , 2013, 117, 363-371.	3.0	63
1998	Optical, structural, and morphological characterisation of epitaxial ZnO films grown by pulsed-laser deposition. <i>Thin Solid Films</i> , 2013, 539, 55-59.	0.8	26
1999	Ordered ZnO nanorod array film driven by ultrasonic spray pyrolysis and its optical properties. <i>Materials Letters</i> , 2013, 112, 36-38.	1.3	24

#	ARTICLE	IF	CITATIONS
2000	The surface oxygen vacancy induced visible activity and enhanced UV activity of a ZnO _{1-x} photocatalyst. <i>Catalysis Science and Technology</i> , 2013, 3, 3136.	2.1	167
2001	Improvements of plasma immersion ion implantation (PIII) and deposition (PIII&D) processing for materials surface modification. <i>Surface and Coatings Technology</i> , 2013, 229, 97-104.	2.2	21
2002	Plasmonic Control of Near-Interface Exciton Dynamics in Defect-Rich ZnO Thin Films. <i>Plasmonics</i> , 2013, 8, 693-697.	1.8	5
2003	Comparative study of structural and optical properties of ZnO nanostructures prepared by three different aqueous solution methods. <i>Materials Chemistry and Physics</i> , 2013, 142, 325-332.	2.0	13
2004	Synthesis and characterization of aligned ZnO/MgO core-shell nanorod arrays on ITO substrate. <i>Applied Physics B: Lasers and Optics</i> , 2013, 112, 539-545.	1.1	9
2005	Effects of Annealing on the Structural and Photoluminescent Properties of Ag-Doped ZnO Nanowires Prepared by Ion Implantation. <i>Plasma Science and Technology</i> , 2013, 15, 817-820.	0.7	4
2006	Patterned horizontal growth of ZnO nanowires on SiO ₂ surface. <i>Current Applied Physics</i> , 2013, 13, 425-429.	1.1	8
2007	Annealing effects on photoluminescence of ZnO nanoparticles. <i>Materials Letters</i> , 2013, 110, 10-12.	1.3	21
2008	Controllable synthesis of hexagonal ZnO-carbon core-shell microrods and the removal of ZnO to form hexagonal carbon microtubes. <i>Materials Chemistry and Physics</i> , 2013, 140, 350-356.	2.0	1
2009	Low temperature grown ZnO nanotubes as smart sensing electrode for the effective detection of ethanolamine chemical. <i>Materials Letters</i> , 2013, 106, 254-258.	1.3	25
2010	Morphological evolution of monodispersed ZnO nanorods to 3 dimensional hierarchical flowers by hydrothermal growth. <i>CrystEngComm</i> , 2013, 15, 8246.	1.3	25
2011	Impact of alkaline metal ions Mg ²⁺ , Ca ²⁺ , Sr ²⁺ and Ba ²⁺ on the structural, optical, thermal and antibacterial properties of ZnO nanoparticles prepared by the co-precipitation method. <i>Journal of Materials Chemistry B</i> , 2013, 1, 5950.	2.9	193
2012	Enhanced Photocatalytic Performance for the BiPO ₄ Nanorod Induced by Surface Oxygen Vacancy. <i>Journal of Physical Chemistry C</i> , 2013, 117, 18520-18528.	1.5	222
2013	Electronic and optical properties of ScN and (Sc,Mn)N thin films deposited by reactive DC-magnetron sputtering. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	49
2014	Catalyst-free direct vapor-phase growth of Zn _{1-x} Cu _x O micro-cross structures and their optical properties. <i>Nanoscale Research Letters</i> , 2013, 8, 46.	3.1	86
2016	Structural, optical and electron paramagnetic resonance studies on Cu-doped ZnO nanoparticles synthesized using a novel auto-combustion method. <i>Frontiers of Materials Science</i> , 2013, 7, 196-201.	1.1	16
2017	Controllable growth of ZnO mesocrystals using a facile electrochemical approach. <i>Chemical Physics Letters</i> , 2013, 555, 154-158.	1.2	9
2018	Enhancement of ferromagnetic properties in Zn _{0.98} Cu _{0.02} O by additional Co doping. <i>Journal of Alloys and Compounds</i> , 2013, 578, 522-525.	2.8	5

#	ARTICLE	IF	CITATIONS
2019	Effect of the annealing temperature on the structural and magnetic properties of ZnO nanoparticles. <i>Materials Letters</i> , 2013, 99, 18-20.	1.3	36
2020	Effect of pressure-assisted thermal annealing on the optical properties of ZnO thin films. <i>Luminescence</i> , 2013, 28, 942-947.	1.5	6
2021	Ultraviolet light emitting diode based on p-NiO/n-ZnO nanowire heterojunction. <i>Journal of Crystal Growth</i> , 2013, 370, 314-318.	0.7	59
2022	Sputtered ZnO seed layer enhances photovoltaic behavior in hybrid ZnO/P3HT solar cells. <i>Organic Electronics</i> , 2013, 14, 3477-3483.	1.4	22
2023	Single bath electrodeposition of samarium oxide/zinc oxide nanostructured films with intense, broad luminescence. <i>Electrochimica Acta</i> , 2013, 95, 170-178.	2.6	4
2024	Observation of whispering gallery modes from hexagonal ZnO microdisks using cathodoluminescence spectroscopy. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	20
2025	Structural, morphological and photoluminescence studies of multi shells coated ZnO nanocomposites. <i>Superlattices and Microstructures</i> , 2013, 61, 106-114.	1.4	7
2026	Realization of p-type non-polar a-plane ZnO films via doping of Na acceptor. <i>Solid State Communications</i> , 2013, 156, 8-11.	0.9	15
2027	Improve the open-circuit voltage of ZnO solar cells with inserting ZnS layers by two ways. <i>Journal of Solid State Chemistry</i> , 2013, 200, 258-264.	1.4	20
2028	Investigation of the effect of annealing on the photoluminescence properties of ZnO nanoparticles, synthesized at low temperature. <i>Optical Materials</i> , 2013, 35, 657-660.	1.7	14
2029	Enhancing sensitivity of force sensor based on a ZnO tetrapod by piezo-phototronic effect. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	19
2030	Effect of film thickness and annealing temperature on the structural and optical properties of ZnO thin films deposited on sapphire (0001) substrates by sol-gel. <i>Ceramics International</i> , 2013, 39, 3261-3268.	2.3	49
2031	Fabrication, structure and luminescence properties of Al ₂ O ₃ /ZnO coaxial nanowires. <i>Optical Materials</i> , 2013, 35, 1824-1828.	1.7	3
2032	Interfacial refractive index sensing using visible-excited intrinsic zinc oxide photoluminescence coupled to whispering gallery modes. <i>Applied Physics Letters</i> , 2013, 103, 051108.	1.5	30
2033	Morphological, structural and optical properties of Al-doped ZnO nanosheet arrays influenced by pulsed electromagnetic field. <i>Micro and Nano Letters</i> , 2013, 8, 119-122.	0.6	1
2034	Effects of annealing temperature on photoluminescence of ZnO nanorods hydrothermally grown on a ZnO:Al seed layer. <i>Optical Materials</i> , 2013, 35, 2649-2653.	1.7	27
2035	High-quality nonpolar ZnO thin films grown on r-plane sapphire by radio frequency-magnetron sputtering. <i>Thin Solid Films</i> , 2013, 546, 18-21.	0.8	9
2036	Structural and optical characterization of high-quality ZnO thin films deposited by reactive RF magnetron sputtering. <i>Materials Research Bulletin</i> , 2013, 48, 1093-1098.	2.7	32

#	ARTICLE	IF	CITATIONS
2037	Synthesis and characterization of ZnS/ZnO/CdS nanocomposites. <i>Materials Science in Semiconductor Processing</i> , 2013, 16, 1759-1764.	1.9	10
2038	Structural, optical and magnetic properties of Zn _{1-x} Fe _x O powders by sol-gel method. <i>Applied Surface Science</i> , 2013, 284, 49-52.	3.1	24
2039	Effects of substrate temperature on the growth orientation and optical properties of ZnO:Fe films synthesized via magnetron sputtering. <i>Journal of Alloys and Compounds</i> , 2013, 574, 149-154.	2.8	31
2040	Rapid photocatalytic degradation of crystal violet dye over ZnO flower nanomaterials. <i>Materials Letters</i> , 2013, 96, 228-232.	1.3	124
2041	Microstructure of Yb and Li co-doped ZnO by electron microscopy. <i>Materials Chemistry and Physics</i> , 2013, 142, 37-43.	2.0	5
2042	Post annealing effect on structural and optical properties of ZnO thin films derived by sol-gel route. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 4607-4613.	1.1	8
2043	Fabrication of Porous Cubic Architecture of ZnO Using Zn-terephthalate MOFs with Characteristic Microstructures. <i>Inorganic Chemistry</i> , 2013, 52, 14028-14033.	1.9	59
2044	Large scale preparation of urchin like Li doped ZnO using simple radio frequency chemical vapor synthesis. <i>Materials Letters</i> , 2013, 100, 124-126.	1.3	8
2045	Structural and optical properties of nanoparticles (V, Al) co-doped ZnO synthesized by sol-gel processes. <i>Superlattices and Microstructures</i> , 2013, 64, 451-459.	1.4	30
2046	Aluminum doped core-shell ZnO/ZnS nanowires: Doping and shell layer induced modification on structural and photoluminescence properties. <i>Journal of Applied Physics</i> , 2013, 114, 134307.	1.1	23
2047	Size dependent ferromagnetism in dodecyl amine capped ZnO nanoparticles. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2013, 178, 1380-1389.	1.7	12
2048	ZnO Nanorod Arrays and Hollow Spheres through a Facile Room-Temperature Solution Route and Their Enhanced Ethanol Gas Sensing Properties. <i>ChemPlusChem</i> , 2013, 78, 1266-1272.	1.3	25
2049	Facile synthesis of ZnO nanostructures and investigation of structural and optical properties. <i>Materials Characterization</i> , 2013, 86, 263-269.	1.9	17
2050	Synthesis and photoluminescence characterization of ZnO nanoparticles. <i>Journal of Luminescence</i> , 2013, 134, 213-219.	1.5	119
2051	Synthesis and photoluminescence property of nanostructured sol-gel antimony tin oxide film on silica glass. <i>Chemical Physics Letters</i> , 2013, 572, 66-72.	1.2	20
2052	Effect of seed layer on the growth and the consequent gas sensing characteristics of ZnO nanorod arrays using aqueous chemical growth. <i>Journal of Sol-Gel Science and Technology</i> , 2013, 68, 1-8.	1.1	15
2053	Effect of annealing temperature on the energy transfer in Eu-doped ZnO nanoparticles by chemical precipitation method. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 4542-4548.	1.1	15
2054	On the phenomenon of large photoluminescence red shift in GaN nanoparticles. <i>Nanoscale Research Letters</i> , 2013, 8, 342.	3.1	36

#	ARTICLE	IF	CITATIONS
2055	Influence of defect density on the ZnO nanostructures of dye-sensitized solar cells. <i>Advances in Manufacturing</i> , 2013, 1, 340-345.	3.2	9
2056	Water-dispersible TiO ₂ nanoparticles via a biphasic solvothermal reaction method. <i>Nanoscale Research Letters</i> , 2013, 8, 503.	3.1	28
2057	Effect of zinc oxide concentration on the core-shell ZnS/ZnO nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 5147-5154.	1.1	12
2058	Enhanced luminescence of Ag-decorated ZnO nanorods. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 4906-4912.	1.1	8
2059	Biosynthesis and characterization of ZnO nanoparticles using <i>Lactobacillus plantarum</i> VITES07. <i>Materials Letters</i> , 2013, 112, 180-182.	1.3	186
2060	Highly conducting and optically transparent Si-doped ZnO thin films prepared by spray pyrolysis. <i>Journal of Materials Chemistry C</i> , 2013, 1, 6960.	2.7	39
2061	Fabrication of p-ZnO:ZrN thin films by RF magnetron sputtering. <i>Composite Interfaces</i> , 2013, 20, 623-634.	1.3	2
2062	Synthetic strategy of porous ZnO and CdS nanostructures doped ferroelectric liquid crystal and its optical behavior. <i>Journal of Molecular Structure</i> , 2013, 1035, 76-82.	1.8	33
2063	Influence of silver and graphite on zinc oxide nanostructures for optical application. <i>Optical Materials</i> , 2013, 35, 1335-1341.	1.7	13
2064	High brightness light emitting diode based on single ZnO microwire. <i>Chemical Physics Letters</i> , 2013, 577, 88-91.	1.2	14
2065	Zinc vacancy-induced high-TC ferromagnetism and photoluminescence in group-1 alkali-metal substituted p-type ZnO thin films. <i>CrystEngComm</i> , 2013, 15, 7748.	1.3	37
2066	Enhanced Performance in Inverted Polymer Solar Cells with Dye-Type Molecular Dye Incorporated on ZnO Buffer Layer. <i>ChemSusChem</i> , 2013, 6, 1445-1454.	3.6	33
2067	Plasma-induced enhancement of UV photoluminescence in ZnO nanowires. <i>CrystEngComm</i> , 2013, 15, 7981.	1.3	27
2068	Effect of different O ₂ /N ₂ flow rate on the size and yield of ZnO nanostructures. <i>CrystEngComm</i> , 2013, 15, 2544.	1.3	4
2069	Effect of pH variations and characterization of short length ZnO hexagonal nanorods from ZnS precursors. , 2013, , .		0
2070	Catalyst-free thermally-evaporated growth and optical properties of ZnO nanowires on Si, GaN and sapphire substrates. <i>Crystal Research and Technology</i> , 2013, 48, 75-86.	0.6	3
2071	Controllable fabrication and optical properties of Sn-doped ZnO hexagonal microdisk for whispering gallery mode microlaser. <i>APL Materials</i> , 2013, 1, .	2.2	18
2072	Optical and Electrical Properties of ZnO Thin Films Grown by Sol-Gel Method. <i>Solid State Phenomena</i> , 0, 200, 14-21.	0.3	7

#	ARTICLE	IF	CITATIONS
2073	Spatial distribution of neutral oxygen vacancies on ZnO nanowire surfaces: An investigation combining confocal microscopy and first principles calculations. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	227
2074	Synthesis of self-assembled chain-like ZnO nanostructures on stiff and flexible substrates. <i>CrystEngComm</i> , 2013, 15, 2881.	1.3	22
2075	Towards a highly efficient simulated sunlight driven photocatalyst: a case of heterostructured ZnO/ZnS hybrid structure. <i>Dalton Transactions</i> , 2013, 42, 14178.	1.6	63
2076	Gas sensing properties of self-assembled ZnO nanotube bundles. <i>RSC Advances</i> , 2013, 3, 16619.	1.7	27
2077	Influence of metal organic chemical vapour deposition growth conditions on vibrational and luminescent properties of ZnO nanorods. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	11
2078	Effect of the cooling condition on the morphology and photoluminescence properties of ZnO nanostructures. <i>CrystEngComm</i> , 2013, 15, 5345.	1.3	4
2079	Formation, cathodoluminescence and field emission of ZnO quantum dots attached on oxygen plasma activated carbon nanotubes. , 2013, , .		0
2080	Synthesis and microstructural properties of ZnO nanoparticles prepared by precipitation method. <i>Renewable Energy</i> , 2013, 50, 932-937.	4.3	259
2081	Role of oxygen vacancies in the basicity of ZnO: From the model methylbutynol conversion to the ethanol transformation application. <i>Applied Catalysis A: General</i> , 2013, 453, 121-129.	2.2	49
2082	Sol-gel synthesis of zinc oxide nanoparticles using <i>Citrus aurantifolia</i> extracts. <i>Ceramics International</i> , 2013, 39, S545-S548.	2.3	143
2083	Less contribution of nonradiative recombination in ZnO nanowires compared with rods. <i>Journal of Luminescence</i> , 2013, 134, 35-41.	1.5	16
2084	Influence of oxygen partial pressure on structural, electrical, and optical properties of Al-doped ZnO film prepared by the ion beam co-sputtering method. <i>Journal of Materials Science</i> , 2013, 48, 1225-1230.	1.7	29
2085	The sensitivity of the steady-state and transient electron transport within bulk wurtzite zinc oxide to variations in the crystal temperature, the doping concentration, and the non-parabolicity coefficient. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 2-12.	1.1	23
2086	Structural and optoelectronic characterization of prepared and Sb doped ZnO nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 44-52.	1.1	28
2087	Influence of Co-doping on the structural, optical and magnetic properties of ZnO nanoparticles synthesized using auto-combustion method. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 96-105.	1.1	49
2088	Photoluminescence and photoconductivity studies of ZnO nanoparticles prepared by solid state reaction method. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 125-134.	1.1	39
2089	Schottky nanocontact on single crystalline ZnO nanorod using conductive atomic force microscopy. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	10
2091	Suppressing the atmosphere-induced performance instability of solution-grown zinc oxide-nanowire ultra-violet photodetector by hydrothermal treatment in water. <i>Materials Chemistry and Physics</i> , 2013, 139, 963-967.	2.0	4

#	ARTICLE	IF	CITATIONS
2092	Effects of Pt capping and annealing on the photoluminescence properties of ZnO nanorods. <i>Materials Letters</i> , 2013, 106, 67-70.	1.3	3
2093	Growth of ZnO nanostructures on Si by means of plasma immersion ion implantation and deposition. <i>Vacuum</i> , 2013, 89, 163-167.	1.6	5
2094	Fabrication and photoluminescence of caltrop-like ZnO nanostructures on silicon substrate. <i>Materials Letters</i> , 2013, 112, 133-135.	1.3	2
2095	Synthesis of flower-like ZnO microstructures for gas sensor applications. <i>Sensors and Actuators B: Chemical</i> , 2013, 178, 107-112.	4.0	143
2096	Non-radiative recombination centres in catalyst-free ZnO nanorods grown by atmospheric-metal organic chemical vapour deposition. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 235302.	1.3	101
2097	Hollow ZnO/Zn ₂ SiO ₄ /SiO ₂ sub-microspheres with mesoporous shells: Synthesis, characterization, adsorption and photoluminescence. <i>Journal of Alloys and Compounds</i> , 2013, 555, 268-273.	2.8	13
2098	Realization of non c-axis oriented ZnO thin films on quartz through Mn ²⁺ /Li co-doping. <i>Materials Letters</i> , 2013, 108, 153-155.	1.3	4
2099	Structural and Spectroscopic Characterizations of ZnO Quantum Dots Annealed at Different Temperatures. <i>Journal of Materials Science and Technology</i> , 2013, 29, 1035-1039.	5.6	16
2100	Shape controllability and photoluminescence properties of ZnO nanorods grown by chemical bath deposition. <i>Thin Solid Films</i> , 2013, 549, 292-298.	0.8	10
2101	Conversion of ZnO microrods into microdisks like structures and its effect on photoluminescence properties. <i>Ceramics International</i> , 2013, 39, 8287-8291.	2.3	13
2102	Nanosheet-constructed transparent conducting ZnO:In thin films. <i>Journal of Alloys and Compounds</i> , 2013, 561, 211-213.	2.8	7
2103	Mapping of X-ray induced luminescence using a SNOM probe. <i>Applied Surface Science</i> , 2013, 267, 81-85.	3.1	4
2104	Correlation between ZnO nanorod growth and the dislocations in AlN-based substrates. <i>Applied Surface Science</i> , 2013, 268, 209-212.	3.1	1
2105	Characterization of Ga-doped ZnO Nanorods Synthesized via Microemulsion Method. <i>Journal of Materials Science and Technology</i> , 2013, 29, 39-43.	5.6	18
2106	Photoluminescence study of ZnO/SiO ₂ nanostructures grown in silica matrix obtained via sol-gel method. <i>Journal of Physics and Chemistry of Solids</i> , 2013, 74, 595-598.	1.9	8
2107	Intense UV photoluminescence emission at room temperature in SnO ₂ thin films. <i>Indian Journal of Physics</i> , 2013, 87, 33-38.	0.9	11
2108	Cross-like cubic Zn _x Mg _{1-x} O nanostructures. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 055101.	1.3	5
2109	Photoluminescence and wetting behavior of ZnO nanoparticles/nanorods array synthesized by thermal evaporation. <i>Journal of Alloys and Compounds</i> , 2013, 560, 156-160.	2.8	38

#	ARTICLE	IF	CITATIONS
2110	Facile Synthesis of Face Oriented ZnO Crystals: Tunable Polar Facets and Shape Induced Enhanced Photocatalytic Performance. <i>Journal of Physical Chemistry C</i> , 2013, 117, 4597-4605.	1.5	122
2111	Metal oxide nanoscience and nanotechnology for chemical sensors. <i>Sensors and Actuators B: Chemical</i> , 2013, 179, 3-20.	4.0	153
2112	Light- and environment-sensitive electrospun ZnO nanofibers. <i>RSC Advances</i> , 2013, 3, 5656.	1.7	16
2113	Photoelectrochemical properties of highly mobilized Li-doped ZnO thin films. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 120, 1-9.	1.7	50
2114	Surface effects on the optical and photocatalytic properties of graphene-like ZnO:Eu ³⁺ -nanosheets. <i>Journal of Applied Physics</i> , 2013, 113, 033514.	1.1	23
2115	The oxygen vacancy effect on the magnetic property of the LaMnO ₃ thin films. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	58
2116	Green emission in ZnO nanostructures—Examination of the roles of oxygen and zinc vacancies. <i>Applied Surface Science</i> , 2013, 271, 202-209.	3.1	80
2117	Origin of the defects-induced ferromagnetism in un-doped ZnO single crystals. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	67
2118	Nanostructure, optical and photoluminescence properties of Zn _{1-x} Ni _x O nanoclusters by co-precipitation method. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 1069-1080.	1.1	19
2119	Molecular-scale interface engineering of metal nanoparticles for plasmon-enhanced dye sensitized solar cells. <i>Dalton Transactions</i> , 2013, 42, 5330.	1.6	23
2120	Recent developments and future directions in the growth of nanostructures by van der Waals epitaxy. <i>Nanoscale</i> , 2013, 5, 3570.	2.8	144
2121	Production of visible activity and UV performance enhancement of ZnO photocatalyst via vacuum deoxidation. <i>Applied Catalysis B: Environmental</i> , 2013, 138-139, 26-32.	10.8	183
2122	Localized excitons mediate defect emission in ZnO powders. <i>Journal of Applied Physics</i> , 2013, 113, 133513.	1.1	32
2124	Origin of green emission and charge trapping dynamics in ZnO nanowires. <i>Physical Review B</i> , 2013, 87, .	1.1	68
2125	Surface modification effect on photoluminescence of individual ZnO nanorods with different diameters. <i>Nanoscale</i> , 2013, 5, 4443.	2.8	30
2126	Controllable synthesis of ZnO nanoparticles and their morphology-dependent antibacterial and optical properties. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 120, 66-73.	1.7	412
2127	Visible-light-sensitive Na-doped p-type flower-like ZnO photocatalysts synthesized via a continuous flow microreactor. <i>RSC Advances</i> , 2013, 3, 12702.	1.7	47
2128	Influence of anneal atmosphere on ZnO-nanorod photoluminescent and morphological properties with self-powered photodetector performance. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	53

#	ARTICLE	IF	CITATIONS
2129	Polymerothermal Synthesis – A Facile and Versatile Method towards Functional Nanocomposites. <i>European Polymer Journal</i> , 2013, 49, 630-636.	2.6	7
2130	Depth resolved studies of SrTiO ₃ defects using x-ray excited optical luminescence and cathodoluminescence. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	9
2131	Photoluminescence and optical dispersion parameters of N-doped ZnO nano-fiber thin films. <i>Journal of Electroceramics</i> , 2013, 30, 152-158.	0.8	5
2132	Exciton and core-level electron confinement effects in transparent ZnO thin films. <i>Scientific Reports</i> , 2013, 3, .	1.6	109
2133	Electrochemical synthesis and surface characterization of hexagonal Cu–ZnO nano-funnel tube films. <i>Ceramics International</i> , 2013, 39, 3715-3720.	2.3	17
2134	Synergistic photodynamic action of ZnO nanomaterials encapsulated meso-tetra (4-sulfonatophenyl) porphyrin. <i>Powder Technology</i> , 2013, 237, 497-505.	2.1	24
2135	Effect of supporting electrolytes on the growth and optical properties of electrochemically deposited ZnO nanorods. <i>Optical Materials</i> , 2013, 35, 1493-1497.	1.7	11
2136	Photoluminescence and highly selective photoresponse of ZnO nanorod arrays. <i>Optical Materials</i> , 2013, 35, 1532-1537.	1.7	17
2137	Electrical and optical properties of single zigzag SnO ₂ nanobelts. <i>CrystEngComm</i> , 2013, 15, 2106.	1.3	29
2138	Love mode surface acoustic wave ultraviolet sensor using ZnO films deposited on 36° Y-cut LiTaO ₃ . <i>Sensors and Actuators A: Physical</i> , 2013, 193, 87-94.	2.0	44
2139	Controlled synthesis of ultrathin ZnO nanowires using micellar gold nanoparticles as catalyst templates. <i>Nanoscale</i> , 2013, 5, 7046.	2.8	15
2140	Structural and optical characterization of hydroxy-propyl methyl cellulose-capped ZnO nanorods. <i>Journal of Materials Science</i> , 2013, 48, 5536-5542.	1.7	17
2141	The simple, template free synthesis of a Bi ₂ S ₃ –ZnO heterostructure and its superior photocatalytic activity under UV-A light. <i>Dalton Transactions</i> , 2013, 42, 5338.	1.6	110
2142	Composite multifunctional nanostructures based on ZnO tetrapods and superparamagnetic Fe ₃ O ₄ nanoparticles. <i>Nanotechnology</i> , 2013, 24, 135601.	1.3	17
2143	Preparation and Exceptional Lithium Anodic Performance of Porous Carbon-Coated ZnO Quantum Dots Derived from a Metal–Organic Framework. <i>Journal of the American Chemical Society</i> , 2013, 135, 7394-7397.	6.6	482
2144	Preparation of luminescent ZnO nanoparticles modified with aminopropyltriethoxy silane for optoelectronic applications. <i>New Journal of Chemistry</i> , 2013, 37, 2103.	1.4	43
2145	Structural and photocatalytic properties of nickel-doped zinc oxide powders with variable dopant contents. <i>Journal of Physics and Chemistry of Solids</i> , 2013, 74, 1196-1203.	1.9	52
2146	Structural, optical and magnetic properties of Co-doped ZnO nanorods prepared by hydrothermal method. <i>Journal of Alloys and Compounds</i> , 2013, 576, 59-65.	2.8	67

#	ARTICLE	IF	CITATIONS
2147	Performance improvement of resistive switching memory achieved by enhancing local-electric-field near electromigrated Ag-nanoclusters. <i>Nanoscale</i> , 2013, 5, 4490.	2.8	105
2148	Band Gap Tuning in ZnO Through Ni Doping via Spray Pyrolysis. <i>Journal of Physical Chemistry C</i> , 2013, 117, 12745-12753.	1.5	104
2149	Effects of Cr-doping concentration on the structural, optical, and magnetic properties of ZnO thin films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013, 210, 1358-1362.	0.8	15
2150	The exceptional photo-catalytic activity of ZnO/RGO composite via metal and oxygen vacancies. <i>Applied Catalysis B: Environmental</i> , 2013, 142-143, 442-449.	10.8	70
2151	Morphology control of ZnO bilayer structure by low-temperature hydrothermal process. <i>Materials Letters</i> , 2013, 107, 126-129.	1.3	3
2152	Investigation of surface synergetic oxygen vacancy in CuO-CoO binary metal oxides supported on γ -Al ₂ O ₃ for NO removal by CO. <i>Journal of Colloid and Interface Science</i> , 2013, 390, 158-169.	5.0	67
2153	Influence of annealing atmosphere on room temperature ferromagnetism of Mn-doped ZnO nanoparticles. <i>Applied Surface Science</i> , 2013, 264, 7-10.	3.1	27
2154	Effect of oxygen vacancy on magnetism of ZnO:Co single-crystalline nanorods. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 327, 28-30.	1.0	5
2155	Strong Confined Optical Emission and Enhanced Thermoelectric Power Factor by Coupling Homologous In ₂ O ₃ (ZnO) with In-Doped ZnO Channels into Heterojunction Belts. <i>Journal of Physical Chemistry C</i> , 2013, 117, 25778-25785.	1.5	1
2156	The simple hydrothermal synthesis of Ag-Zn-SnO ₂ nanochain and its multiple applications. <i>Dalton Transactions</i> , 2013, 42, 16365.	1.6	40
2157	Cu-doping effect on structural, optical and photoluminescence properties of Zn _{0.96-x} Fe _{0.04} Cu _x O (x=0, 0.02, 0.04, 0.06, 0.08 and 0.1) nanopowders by sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2013, 65, 255-268.	1.1	4
2158	Synthesis and Characterization of Visible Light Absorbing (GaIn) _{1-x} ZnO _x Semiconductor Nanorods. <i>Inorganic Chemistry</i> , 2013, 52, 8389-8398.	1.9	41
2159	Hydrothermal growth and characterizations of dandelion-like ZnO nanostructures. <i>Journal of Alloys and Compounds</i> , 2013, 579, 444-449.	2.8	19
2160	Novel ZnO parallel ordered arrays with lamellar structure: Fabrication and characterization. <i>Materials Letters</i> , 2013, 94, 186-188.	1.3	6
2161	Morphology and Luminescence of ZnO Films Grown on a Au(111) Support. <i>Journal of Physical Chemistry C</i> , 2013, 117, 10552-10557.	1.5	38
2162	Hydrothermal Synthesis of Vertically Aligned Cesium-Doped ZnO Nanorods for Solar Cell Applications. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013, 23, 1219-1225.	1.9	15
2163	Metal Oxide/Polymer Hybrid Nanoparticles with Versatile Functionality Prepared by Controlled Surface Crystallization. <i>Advanced Functional Materials</i> , 2013, 23, 451-466.	7.8	61
2164	Effect of Growth Temperature on Thin Films Structure and Blue Photoluminescence Spectrum of Nanocrystalline ZnO Films. <i>Applied Mechanics and Materials</i> , 2013, 385-386, 23-26.	0.2	0

#	ARTICLE	IF	CITATIONS
2165	Effect of disorder on carrier transport in ZnO thin films grown by atomic layer deposition at different temperatures. Journal of Applied Physics, 2013, 114, 043703.	1.1	31
2166	The Effect of Thermal Annealing Processes on Structural and Photoluminescence of Zinc Oxide Thin Film. Journal of Nanomaterials, 2013, 2013, 1-8.	1.5	36
2167	Fabrication of Well-Aligned ZnO Nanorods Using a Composite Seed Layer of ZnO Nanoparticles and Chitosan Polymer. Materials, 2013, 6, 4361-4374.	1.3	45
2168	Structural and Optical Properties of Well-Aligned ZnO Nanorod Arrays Grown by a Hydrothermal Method. Advanced Materials Research, 0, 785-786, 436-439.	0.3	0
2169	A Facile Synthesis of Granular ZnO Nanostructures for Dye-Sensitized Solar Cells. International Journal of Photoenergy, 2013, 2013, 1-6.	1.4	5
2170	Facile Hydrothermal Approach to ZnO Nanorods at Mild Temperature. Journal of Nanomaterials, 2013, 2013, 1-5.	1.5	1
2171	Effect of solvent volume on properties of SnO ₂ :Al films. Surface Engineering, 2013, 29, 373-378.	1.1	24
2172	Non radiative recombination centers in ZnO nanorods. Materials Research Society Symposia Proceedings, 2013, 1538, 317-322.	0.1	2
2173	Nanocrystalline Functional Oxide Materials. , 2013, , 517-552.		1
2174	Growth and characterization of ZnO multipods on functional surfaces with different sizes and shapes of Ag particles. Chinese Physics B, 2013, 22, 088103.	0.7	10
2175	Luminescent Thin Films: Fundamental Aspects and Practical Applications. , 2013, , 725-745.		3
2176	Structural and Optical Properties of Fe-Doped ZnO Nanorods. Advanced Materials Research, 0, 858, 151-158.	0.3	1
2177	Preparation of Acicular-Like ZnO Nanostructured Powder Using Ball Mill Zinc Powder by Hydrothermal Method. Advanced Materials Research, 2013, 833, 80-83.	0.3	1
2178	Noise Properties of Fe-ZnO Nanorod Ultraviolet Photodetectors. IEEE Photonics Technology Letters, 2013, 25, 2089-2092.	1.3	16
2179	Reliable and Damage-Free Estimation of Resistivity of ZnO Thin Films for Photovoltaic Applications Using Photoluminescence Technique. International Journal of Photoenergy, 2013, 2013, 1-9.	1.4	3
2180	Fabrication of ZnO Nanowall-Based Hydrogen Gas Nanosensor. Advanced Materials Research, 2013, 684, 21-25.	0.3	4
2181	Remarkable Properties of ZnO Heavily Substituted with Nitrogen and Fluorine, ZnO _{1-x} (N,F) _x . ChemPhysChem, 2013, 14, 2672-2677.	1.0	25
2182	The dependence of ZnO photoluminescence efficiency on excitation conditions and defect densities. Applied Physics Letters, 2013, 103, .	1.5	28

#	ARTICLE	IF	CITATIONS
2183	Hydrothermal Synthesis of TOPO-Capped ZnO Nanoparticle. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2013, 43, 29-39.	0.6	6
2184	Concentration effect of H/OH and Eu ³⁺ species on activating photoluminescence from ZnO:Eu ³⁺ thin films. Journal of Applied Physics, 2013, 114, .	1.1	17
2185	Ti nanoparticles decorated ZnO nanowires heterostructure: photocurrent and photoluminescence properties. Journal of Experimental Nanoscience, 2013, 8, 332-340.	1.3	15
2186	Low temperature characteristics in amorphous indium-gallium-zinc-oxide thin-film transistors down to 10%K. Applied Physics Letters, 2013, 103, .	1.5	23
2187	UV Enhanced Indium-Doped ZnO Nanorod Field Emitter. IEEE Transactions on Electron Devices, 2013, 60, 3901-3906.	1.6	12
2188	The silicon/zinc oxide interface in amorphous silicon-based thin-film solar cells: Understanding an empirically optimized contact. Applied Physics Letters, 2013, 103, .	1.5	12
2189	An optical study of the D ⁺ neutron irradiation-induced defects in Co- and Cu-doped ZnO wafers. Chinese Physics B, 2013, 22, 036102.	0.7	6
2190	Stability and Optical Properties of ZnO Nanoparticles Capped by ZnS. Integrated Ferroelectrics, 2013, 144, 141-147.	0.3	2
2191	Effects of In or Ga doping on the growth behavior and optical properties of ZnO nanorods fabricated by hydrothermal process. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 1552-1556.	0.8	44
2192	Thermal pretreatment of sapphire substrates prior to ZnO buffer layer growth. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2013, 31, 051203.	0.6	8
2193	Synthesis and optical properties of zinc oxide nanoparticles grown on Sn-coated silicon substrate by thermal evaporation method. , 2013, , .		1
2194	Modulation of defect-mediated energy transfer from ZnO nanoparticles for the photocatalytic degradation of bilirubin. Beilstein Journal of Nanotechnology, 2013, 4, 714-725.	1.5	53
2195	Ohmic-Rectifying Conversion of Ni Contacts on ZnO and the Possible Determination of ZnO Thin Film Surface Polarity. PLoS ONE, 2014, 9, e86544.	1.1	7
2196	Scintillation and Dosimetric Properties of Cu-Doped Zinc Oxide Thin Films. E-Journal of Surface Science and Nanotechnology, 2014, 12, 275-278.	0.1	6
2197	ZnO Nanowire-Based LEDs. , 2014, , 203-226.		0
2198	Electron paramagnetic resonance study of ZnO varistor material. Journal of Physics Condensed Matter, 2014, 26, 115801.	0.7	36
2199	Effects of N- and N-In doping on ZnO films prepared by using ultrasonic spray pyrolysis. Journal of the Korean Physical Society, 2014, 65, 1890-1895.	0.3	2
2200	Organo-modified ZnO nanoparticles: tuning of the optical properties for PLED device fabrication. New Journal of Chemistry, 2014, 38, 6205-6211.	1.4	12

#	ARTICLE	IF	CITATIONS
2201	Tailoring of growth and properties: a benign approach to synthesise ZnO nanostructures without growth-directing agents. <i>Materials Research Express</i> , 2014, 1, 015025.	0.8	8
2202	Optical properties of aluminum-doped zinc oxide films deposited by direct-current pulse magnetron reactive sputtering. <i>Chinese Physics B</i> , 2014, 23, 030701.	0.7	5
2203	Growth of threaded AlN whiskers by a physical vapor transport method. <i>Chinese Physics B</i> , 2014, 23, 088103.	0.7	3
2205	Influence of annealing temperature on ZnO thin films grown by dual ion beam sputtering. <i>Bulletin of Materials Science</i> , 2014, 37, 983-989.	0.8	25
2206	Effects of a Seed Layer and Sn Ion Modification on the ZnO Nanorods in Dye-Sensitized Solar Cells. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 602, 72-80.	0.4	4
2207	A Quantitative Study of ZnO Materials as Possible Down-shifters for Solar Cell Applications. <i>Energy Procedia</i> , 2014, 60, 23-31.	1.8	5
2208	Defect characterization and magnetic properties in un-doped ZnO thin film annealed in a strong magnetic field. <i>Chinese Physics B</i> , 2014, 23, 127503.	0.7	13
2209	Optical Characterization of $(\text{CdO})_x(\text{ZnO})_{1-x}$ Composite by Spray Pyrolysis Technique. <i>Acta Physica Polonica A</i> , 2014, 125, 82-86.	0.2	2
2210	Yellowish-White Emission from Sol-Gel Mediated Lithium and Aluminium Co-Doped Zinc Oxide Thin Films. <i>Applied Mechanics and Materials</i> , 2014, 716-717, 63-66.	0.2	0
2211	Optical and Magnetic Properties of Fe Doped ZnO Nanoparticles Obtained by Hydrothermal Synthesis. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-6.	1.5	56
2212	Synthesis of ZnO Nanowires via Hotwire Thermal Evaporation of Brass (CuZn) Assisted by Vapor Phase Transport of Methanol. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-10.	1.5	8
2213	Catalyst-Free Synthesis of Hollow-Sphere-Like ZnO and Its Photoluminescence Property. <i>Advances in Materials Science and Engineering</i> , 2014, 2014, 1-6.	1.0	5
2214	A single-molecule approach to ZnO defect studies: Single photons and single defects. <i>Journal of Applied Physics</i> , 2014, 116, 043509.	1.1	27
2215	Electron-hole recombination on ZnO(0001) single-crystal surface studied by time-resolved soft X-ray photoelectron spectroscopy. <i>Applied Physics Letters</i> , 2014, 105, 151602.	1.5	36
2216	Fe_2O_3 nanospindles loaded with ZnO nanocrystals: Synthesis and improved gas sensing performance. <i>Crystal Research and Technology</i> , 2014, 49, 452-459.	0.6	12
2217	Microstructures of ZnO Electrospun Nanofibers on AZO Glass. <i>Advanced Materials Research</i> , 0, 936, 439-443.	0.3	1
2218	Synthesis of Oriented ZnO Nanofibers Using Electrospun Method on Si (100) Substrate. <i>Advanced Materials Research</i> , 2014, 1033-1034, 1094-1098.	0.3	0
2219	Defects induced luminescence and tuning of bandgap energy narrowing in ZnO nanoparticles doped with Li ions. <i>Journal of Applied Physics</i> , 2014, 116, .	1.1	38

#	ARTICLE	IF	CITATIONS
2220	Enhancement in visible luminescence from nanocomposite ZnO-SiO _x thin films due to annealing. Functional Materials Letters, 2014, 07, 1450007.	0.7	1
2221	The surface-plasmon-resonance and band bending effects on the photoluminescence enhancement of Ag-decorated ZnO nanorods. Journal of Applied Physics, 2014, 116, 063108.	1.1	29
2222	Nanodomain induced anomalous magnetic and electronic transport properties of LaBaCo ₂ O _{5.5} + δ highly epitaxial thin films. Journal of Applied Physics, 2014, 115, 024301.	1.1	10
2223	Ferromagnetism induced by the charge transfer in Al-doped ZnO nanoparticles. Journal of Alloys and Compounds, 2014, 615, 401-405.	2.8	35
2224	Growth of Zn _{1-x} Cd _x O nanocrystalline thin films by sol-gel method and their characterization for optoelectronic applications. Materials Science-Poland, 2014, 32, 688-695.	0.4	12
2225	Growth of non-polar ZnO thin films with different working pressures by plasma enhanced chemical vapor deposition. Japanese Journal of Applied Physics, 2014, 53, 11RA05.	0.8	6
2226	Effect of the H ₂ plasma treatment of a seed layer on the synthesis of ZnO nanorods using a microwave hydrothermal method. Japanese Journal of Applied Physics, 2014, 53, 04EH12.	0.8	1
2227	Influence of annealing temperature on structural, electrical and optical properties of undoped zinc oxide thin films. Journal of Materials Science: Materials in Electronics, 2014, 25, 5422-5427.	1.1	3
2228	Fabrication and multi-band photoluminescence of vertically aligned ZnO/ZnSe core/shell nanorod arrays. Materials Research Express, 2014, 1, 015010.	0.8	2
2229	First-principles study of zinc oxide: The p-type doping perspective. , 2014, , .		2
2230	Structural and Optical Properties of Al Co-Doped ZnCoO Thin Film. Advanced Materials Research, 2014, 989-994, 656-659.	0.3	0
2231	Investigation of Room Temperature Photoluminescence of ZnO Films Induced by Different Laser Fluence Irradiation. Advanced Materials Research, 2014, 901, 53-58.	0.3	2
2232	ZnO Nanostructures on Electrospun Nanofibers by Atomic Layer Deposition/Hydrothermal Growth and Their Photocatalytic Activity. Materials Research Society Symposia Proceedings, 2014, 1675, 9-14.	0.1	1
2233	Characteristics of YAG-doped ZnO/ITO deposited by spraying method. , 2014, , .		0
2234	Formation of ZnO luminescent films on SiN films for light source of high-resolution optical microscope. Japanese Journal of Applied Physics, 2014, 53, 04EH11.	0.8	10
2235	The Effect of oxygen defects on Activity of Au/ZnO Catalyst in Low Temperature Oxidation of Benzyl Alcohol. Materials Research Society Symposia Proceedings, 2014, 1675, 71-77.	0.1	0
2236	CuO nanobelts synthesized by a template-free hydrothermal approach with optical and magnetic characteristics. Ceramics International, 2014, 40, 2127-2133.	2.3	70
2237	Controlled Synthesis of Single-Crystalline ZnO Nanoflakes on Arbitrary Substrates at Ambient Conditions. Particle and Particle Systems Characterization, 2014, 31, 190-194.	1.2	20

#	ARTICLE	IF	CITATIONS
2238	Luminescence characteristics and growth mechanism of awl-like ZnO Nanostructures fabricated on Ni-coated silicon substrate via chemical vapor deposition method. <i>Ceramics International</i> , 2014, 40, 12293-12298.	2.3	8
2239	Tunable optical properties of ZnO via doping monovalent (Li ⁺), divalent (Mn ²⁺) and trivalent (Fe ³⁺) cations. <i>Materials Chemistry and Physics</i> , 2014, 147, 213-217.	2.0	2
2240	Hydrogen influence on the electrical and optical properties of ZnO thin films grown under different atmospheres. <i>Thin Solid Films</i> , 2014, 556, 18-22.	0.8	12
2241	Study of defect generated visible photoluminescence in zinc oxide nano-particles prepared using PVA templates. <i>Journal of Luminescence</i> , 2014, 154, 211-217.	1.5	9
2242	Catalyst-free ZnO nanowires on silicon by pulsed laser deposition with tunable density and aspect ratio. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014, 62, 95-103.	1.3	20
2243	A long persistent phosphor based on recombination centers originating from Zn imperfections. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 123, 7-11.	2.0	13
2244	Stability of the electro-optical properties and structural characteristics of H and Al co-doped ZnO films after heat treatment in H/Ar plasma. <i>Ceramics International</i> , 2014, 40, 11857-11868.	2.3	8
2245	Growth mechanism and optical property of ZnO nanocrystals synthesized by corrosion of Cu-Zn alloy. <i>Materials Letters</i> , 2014, 117, 231-233.	1.3	2
2246	ZnO nanoswords and nanopills: Hydrothermal synthesis, characterization and optical properties. <i>Ceramics International</i> , 2014, 40, 943-950.	2.3	51
2247	Studies on highly resistive ZnO thin films grown by DC-discharge-assisted pulsed laser deposition. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 114, 1119-1128.	1.1	6
2248	Cu/ZnO nanorods- ϵ^2 hybrid showing enhanced photoluminescence properties due to surface plasmon resonance. <i>Journal of Luminescence</i> , 2014, 145, 19-24.	1.5	32
2249	Influence of incorporation of Al ³⁺ ions on the structural, optical and AC impedance characteristics of spin coated ZnO thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 361-368.	1.1	8
2250	Na to tailor the band gap and morphology of ZnO nanograins. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 103-110.	1.1	7
2251	Investigations on structural, optical and electrochemical properties of blue luminescence SnO ₂ nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 255-261.	1.1	14
2252	Synthesis and field emission properties of ZnO nanoneedle arrays grown at low temperatures via a thermal evaporation method. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 116, 243-249.	1.1	4
2253	Low temperature insertion of energy levels into the ZnO nanorod's bandgap by nanotube conversion. <i>Thin Solid Films</i> , 2014, 562, 343-346.	0.8	16
2254	Synthesis and characterization of textured Al-doped zinc oxide films prepared by template-directed deposition. <i>CrystEngComm</i> , 2014, 16, 1560-1567.	1.3	11
2255	Tunable surface plasmon resonance and enhanced electrical conductivity of In doped ZnO colloidal nanocrystals. <i>Nanoscale</i> , 2014, 6, 7039-7051.	2.8	84

#	ARTICLE	IF	CITATIONS
2256	Selective isolation of the electron or hole in photocatalysis: ZnO@TiO ₂ and TiO ₂ @ZnO core-shell structured heterojunction nanofibers via electrospinning and atomic layer deposition. <i>Nanoscale</i> , 2014, 6, 5735.	2.8	139
2257	Theoretical and experimental studies on electronic structure and optical properties of Cu-doped ZnO. <i>Journal of Alloys and Compounds</i> , 2014, 589, 604-608.	2.8	61
2258	Influences of the type of dopant and substrate on ferromagnetism in ZnO:Mn. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 355, 51-57.	1.0	23
2259	Effect of pressure and Al doping on structural and optical properties of ZnO nanowires synthesized by chemical vapor deposition. <i>Journal of Luminescence</i> , 2014, 146, 470-474.	1.5	37
2260	Facile synthesis of different morphologies of Te-doped ZnO nanostructures. <i>Ceramics International</i> , 2014, 40, 7737-7743.	2.3	35
2261	One-pot synthesis and characteristics of ZnO/Ag composites. <i>Micro and Nano Letters</i> , 2014, 9, 141-143.	0.6	0
2262	Sol-gel synthesis of novel cobalt doped zinc tin oxide composite for photocatalytic application. <i>Ceramics International</i> , 2014, 40, 8103-8109.	2.3	7
2263	Electrodeposition of ZnO on carbon nanofiber buckypaper. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 1773-1777.	1.2	8
2264	The effect of substrate distance to evaporation source on morphology of ZnO:In nanorods fabricated by means of a vapor transfer route and the study of their optical and electrical properties. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	1
2265	Effect of zinc oxide concentration in fluorescent ZnS:Mn/ZnO core-shell nanostructures. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 1716-1723.	1.1	27
2266	Structural and optoelectronic properties of indium doped SnO ₂ thin films deposited by sol gel technique. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 1664-1672.	1.1	43
2267	Effect of Ni Doping on Structural, Morphological, Optical and Magnetic Properties of Zn _{1-x} Ni _x O Dilute Magnetic Semiconductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 2014, 27, 1737-1742.	0.8	11
2268	Temperature effect over structure and photochemical properties of nanostructured SnO ₂ powders. <i>Open Chemistry</i> , 2014, 12, 909-917.	1.0	11
2269	Extended photoresponse and multi-band luminescence of ZnO/ZnSe core/shell nanorods. <i>Nanoscale Research Letters</i> , 2014, 9, 31.	3.1	19
2270	Defect-dominated optical emission and enhanced ultraviolet photoconductivity properties of ZnO nanorods synthesized by simple and catalyst-free approach. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 115, 1193-1203.	1.1	26
2271	Controlled nucleation and growth of nanostructures by employing surface modified GaN based layers/heterostructures as bottom layer. <i>RSC Advances</i> , 2014, 4, 7112.	1.7	9
2272	Deployment of aligned ZnO nanorod with distinctive porous morphology: Potential scaffold for the detection of p-nitrophenylamine. <i>Applied Catalysis A: General</i> , 2014, 470, 271-277.	2.2	19
2274	Surface oxygen vacancy induced photocatalytic performance enhancement of a BiPO ₄ nanorod. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1174-1182.	5.2	252

#	ARTICLE	IF	CITATIONS
2275	Rapid synthesis of ZnO dandelion-like nanostructures and their applications in humidity sensing and photocatalysis. <i>Materials Science in Semiconductor Processing</i> , 2014, 21, 200-205.	1.9	29
2276	Electrodeposition of ZnO Nanorod Arrays on Transparent Conducting Substrates—a Review. <i>Electrochimica Acta</i> , 2014, 127, 467-488.	2.6	198
2277	Study of excitonic UV emission stability, green luminescence and bandgap tune-ability in wurtzite (ZnO) _{1-x} (Cr ₂ O ₃) _x composite. <i>Vacuum</i> , 2014, 105, 1-6.	1.6	4
2278	Effect of annealing on the structural, morphological and photoluminescence properties of ZnO thin films prepared by spin coating. <i>Journal of Colloid and Interface Science</i> , 2014, 428, 8-15.	5.0	107
2279	Synthesis of rose-like ZnO hierarchical nanostructures in the presence of ionic liquid/Mg ²⁺ for air purification and their shape-dependent photodegradation of SO ₂ , NO _x , and CO. <i>Applied Catalysis A: General</i> , 2014, 475, 325-334.	2.2	25
2280	Microwave power, temperature, atmospheric and light dependence of intrinsic defects in ZnO nanoparticles: A study of electron paramagnetic resonance (EPR) spectroscopy. <i>Journal of Alloys and Compounds</i> , 2014, 605, 34-44.	2.8	133
2281	Glutathione-assisted synthesis of star-shaped zinc oxide nanostructures and their photoluminescence behavior. <i>Journal of Luminescence</i> , 2014, 149, 112-117.	1.5	8
2282	Noise Properties of Low-Temperature-Grown Co-Doped ZnO Nanorods as Ultraviolet Photodetectors. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2014, 20, 89-95.	1.9	7
2283	Fabrication and correlation between photoluminescence and photoelectrochemical properties of vertically aligned ZnO coated TiO ₂ nanotube arrays. <i>Solar Energy Materials and Solar Cells</i> , 2014, 123, 233-238.	3.0	12
2284	Shape-Selective Dependence of Room Temperature Ferromagnetism Induced by Hierarchical ZnO Nanostructures. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 8981-8995.	4.0	117
2285	Structural and optical properties of ZnS/ZnO core/shell nanowires grown on ITO glass. <i>Materials Letters</i> , 2014, 129, 142-145.	1.3	26
2286	Enhanced photoluminescence of Au-functionalized ZnO nanorods annealed in a hydrogen atmosphere. <i>Journal of Luminescence</i> , 2014, 147, 5-8.	1.5	37
2287	Sonicated sol-gel preparation of nanoparticulate ZnO thin films with various deposition speeds: The highly preferred c-axis (002) orientation enhances the final properties. <i>Journal of Alloys and Compounds</i> , 2014, 582, 12-21.	2.8	94
2288	Tunable white light from photo- and electroluminescence of ZnO nanoparticles. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 015104.	1.3	12
2289	Au-ZnO hybrid nanoflowers, nanomultipods and nanopyramids: one-pot reaction synthesis and photocatalytic properties. <i>Nanoscale</i> , 2014, 6, 874-881.	2.8	160
2290	Synthesis and investigation of Indium doping and surfactant on the morphological, optical and UV/Vis photocatalytic properties of ZnO nanostructure. <i>Ceramics International</i> , 2014, 40, 3453-3460.	2.3	36
2291	Realization of Na-doped p-type non-polar a-plane Zn _{1-x} Cd _x O films by pulsed laser deposition. <i>Journal of Alloys and Compounds</i> , 2014, 584, 466-470.	2.8	14
2292	Particle size, morphology and color tunable ZnO:Eu ³⁺ nanophosphors via plant latex mediated green combustion synthesis. <i>Journal of Alloys and Compounds</i> , 2014, 584, 417-424.	2.8	84

#	ARTICLE	IF	CITATIONS
2293	Influence of Co-doping on the structural, optical and morphological properties of Zn _{0.96} Mn _{0.04} O nanoparticles by sol-gel method. <i>Optical Materials</i> , 2014, 36, 797-803.	1.7	21
2294	Enhanced inverted organic solar cell performance by post-treatments of solution-processed ZnO buffer layers. <i>RSC Advances</i> , 2014, 4, 6646.	1.7	45
2295	Hydrogen sensing based on nanoporous silica-embedded ultra dense ZnO nanobundles. <i>RSC Advances</i> , 2014, 4, 7476.	1.7	44
2296	Anti-reflection In ₂ O ₃ nanocones for silicon solar cells. <i>Solar Energy</i> , 2014, 106, 102-108.	2.9	26
2297	Tunable photoluminescence properties of well-aligned ZnO nanorod array by oxygen plasma post-treatment. <i>Applied Surface Science</i> , 2014, 289, 252-256.	3.1	35
2298	Influence of annealing conditions on the crystallographic structure, chemical composition and luminescence of ZnO thin films. <i>Applied Surface Science</i> , 2014, 289, 564-570.	3.1	23
2299	Low CO generation on tunable oxygen vacancies of non-precious metallic Cu/ZnO catalysts for partial oxidation of methanol reaction. <i>Applied Catalysis B: Environmental</i> , 2014, 150-151, 506-514.	10.8	28
2300	Photoluminescence and photoelectrochemical properties of the spray deposited copper doped zinc oxide thin films. <i>Ceramics International</i> , 2014, 40, 7669-7677.	2.3	39
2301	Synthesis, structural and optical properties of ZnO and Ni-doped ZnO hexagonal nanorods by Co-precipitation method. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 120, 19-24.	2.0	142
2302	Various Facet Tunable ZnO Crystals by a Scalable Solvothermal Synthesis and Their Facet-Dependent Photocatalytic Activities. <i>Journal of Physical Chemistry C</i> , 2014, 118, 25434-25440.	1.5	90
2303	TiO ₂ /ZnO Inner/Outer Double-Layer Hollow Fibers for Improved Detection of Reducing Gases. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 21494-21499.	4.0	68
2304	Photocatalytic degradation of endocrine disruptor Bisphenol-A in the presence of prepared CexZn1-xO nanocomposites under irradiation of sunlight. <i>Journal of Environmental Sciences</i> , 2014, 26, 2362-2368.	3.2	23
2305	Density of states of amorphous In-Ga-Zn-O from electrical and optical characterization. <i>Journal of Applied Physics</i> , 2014, 116, .	1.1	61
2306	Nanocrystals of Zn(Fe)O-based diluted magnetic semi-conductor as potential luminescent and magnetic bimodal bioimaging probes. <i>RSC Advances</i> , 2014, 4, 58145-58150.	1.7	4
2307	Theoretical and experimental investigation on enhanced thermal behaviour in chunk-shaped nano ZnO. <i>Molecular Physics</i> , 2014, 112, 142-150.	0.8	4
2308	Effect of the wall thickness on the gas-sensing properties of ZnO hollow fibers. <i>Nanotechnology</i> , 2014, 25, 455504.	1.3	20
2309	A green process for efficient lignin (biomass) degradation and hydrogen production via water splitting using nanostructured C, N, S-doped ZnO under solar light. <i>RSC Advances</i> , 2014, 4, 60626-60635.	1.7	64
2310	Stable yellow ZnO mesocrystals with efficient visible-light photocatalytic activity. <i>CrystEngComm</i> , 2014, 16, 7906-7913.	1.3	60

#	ARTICLE	IF	CITATIONS
2311	Oxygen induced strained ZnO nanoparticles: an investigation of Raman scattering and visible photoluminescence. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7264-7274.	2.7	30
2312	Electronic structure of sunlight driven water splitting activity correlation of $(\text{Zn}_{1-y}\text{Ga}_y)(\text{O}_{1-z}\text{N}_z)$. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 23654-23662.	1.3	12
2313	ZnO quantum dots engrafted graphene oxide thin film electrode for low level detection of ethyl acetate. <i>Materials Letters</i> , 2014, 136, 379-383.	1.3	20
2314	Surface structure optimization for cost effective field emission of zinc oxide nanorods on glass substrate. <i>Thin Solid Films</i> , 2014, 571, 154-160.	0.8	12
2315	Prominent Reducing Gas-Sensing Performances of SnO_2 Nanowires by Local Creation of p-n Heterojunctions by Functionalization with Cr_2O_3 Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 17723-17729.	4.0	101
2316	Luminescent properties of vanadium-doped SnO_2 nanoparticles. <i>Optical Materials</i> , 2014, 37, 223-228.	1.7	17
2317	Highly crystalline urchin-like structures made of ultra-thin zinc oxide nanowires. <i>RSC Advances</i> , 2014, 4, 47234-47239.	1.7	32
2318	Effects of Interface States on Photoexcited Carriers in $\text{ZnO}/\text{Zn}_2\text{SnO}_4$ Type-II Radial Heterostructure Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 4057-4062.	4.0	23
2319	Development of highly transparent seedless ZnO nanorods engineered for inverted polymer solar cells. <i>Nanoscale</i> , 2014, 6, 12130-12141.	2.8	25
2320	Highly enhanced visible luminescence in $\text{Zn}_{1-x}\text{Mg}_x\text{O}$ nanocrystals. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 035001.	0.8	2
2321	CL from ZnO nanowires and microneedles Co-doped with N and Mn. <i>Semiconductor Science and Technology</i> , 2014, 29, 055003.	1.0	3
2322	Size-dependent photoluminescence of zinc oxide quantum dots through organosilane functionalization. <i>RSC Advances</i> , 2014, 4, 63128-63136.	1.7	38
2323	Origin of blue emission in ThO_2 nanorods: exploring it as a host for photoluminescence of Eu^{3+} , Tb^{3+} and Dy^{3+} . <i>RSC Advances</i> , 2014, 4, 51244-51255.	1.7	45
2324	Synthesis of hexagonal ZnO nanodrums, nanosheets and nanowires by the ionic effect during the growth of hexagonal ZnO crystals. <i>Journal of Materials Chemistry C</i> , 2014, 2, 6675-6682.	2.7	48
2325	Effects of MeV ion irradiation on structural and optical properties of SnO_2/ZnO nanocomposites prepared by carbothermal evaporation. <i>Journal of Alloys and Compounds</i> , 2014, 617, 734-739.	2.8	8
2326	Defect engineering in ZnO nanocones for visible photoconductivity and nonlinear absorption. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 25093-25100.	1.3	86
2327	Graphene-Assisted Controlled Growth of Highly Aligned ZnO Nanorods and Nanoribbons: Growth Mechanism and Photoluminescence Properties. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 377-387.	4.0	68
2328	Interplay of Cu and oxygen vacancy in optical transitions and screening of excitons in ZnO:Cu films. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	31

#	ARTICLE	IF	CITATIONS
2329	Europium doping induced symmetry deviation and its impact on the second harmonic generation of doped ZnO nanowires. <i>Nanotechnology</i> , 2014, 25, 225202.	1.3	37
2330	Sequential Growth of Zinc Oxide Nanorod Arrays at Room Temperature via a Corrosion Process: Application in Visible Light Photocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 18728-18734.	4.0	24
2331	Morphological evolution of ZnO nanostructures and their aspect ratio-induced enhancement in photocatalytic properties. <i>RSC Advances</i> , 2014, 4, 29249.	1.7	88
2332	Synthesis and optical properties of Janus structural ZnO/Au nanocomposites. <i>Europhysics Letters</i> , 2014, 106, 67001.	0.7	15
2333	Structural properties of ZnO nanowires directly grown on a carbon film in ZnCl ₂ aqueous solution. <i>Journal of Crystal Growth</i> , 2014, 406, 26-30.	0.7	0
2334	Performance enhancement of humidity sensors made from oxide heterostructure nanorods via microstructural modifications. <i>RSC Advances</i> , 2014, 4, 50866-50872.	1.7	18
2335	Wide-spectrum Mg and Ga co-doped ZnO α -TCO thin films with introduced hydrogen grown by magnetron sputtering at room temperature. <i>Applied Surface Science</i> , 2014, 314, 786-793.	3.1	10
2336	Temperature-dependence cathodoluminescence of ultra-sharp ZnO nanopagoda arrays. <i>Journal of Alloys and Compounds</i> , 2014, 617, 16-20.	2.8	4
2337	Efficient sunlight-driven photocatalytic activity of chemically bonded GNS α -TiO ₂ and GNS α -ZnO heterostructures. <i>Journal of Materials Chemistry C</i> , 2014, 2, 6827.	2.7	54
2338	Electrical Conduction of a Single Electrospun ZnO Nanofiber. <i>Journal of the American Ceramic Society</i> , 2014, 97, 1157-1163.	1.9	9
2339	Controlled synthesis of zinc oxide nanoflowers by succinate-assisted hydrothermal route and their morphology-dependent photocatalytic performance. <i>Materials Science in Semiconductor Processing</i> , 2014, 27, 197-206.	1.9	19
2340	Sol-gel production of aluminium doped zinc oxide using aluminium nitrate. <i>Materials Science in Semiconductor Processing</i> , 2014, 27, 19-25.	1.9	10
2341	Controllable Tuning Various Ratios of ZnO Polar Facets by Crystal Seed-Assisted Growth and Their Photocatalytic Activity. <i>Crystal Growth and Design</i> , 2014, 14, 2179-2186.	1.4	68
2342	In _{1-x} GaxN@ZnO: a rationally designed and quantum dot integrated material for water splitting and solar harvesting applications. <i>Dalton Transactions</i> , 2014, 43, 12546.	1.6	38
2343	Role of spectator ions in influencing the properties of dopant-free ZnO nanocrystals. <i>New Journal of Chemistry</i> , 2014, 38, 4783-4790.	1.4	21
2344	Facet-dependent optical properties of nanostructured ZnO. <i>Materials Chemistry and Physics</i> , 2014, 147, 1134-1139.	2.0	18
2345	Blue-green photoluminescence in BaZrO ₃ powders. <i>Chemical Physics Letters</i> , 2014, 610-611, 341-344.	1.2	17
2346	Role of zinc interstitials and oxygen vacancies of ZnO in photocatalysis: a bottom-up approach to control defect density. <i>Nanoscale</i> , 2014, 6, 10224-10234.	2.8	320

#	ARTICLE	IF	CITATIONS
2347	Simple microwave assisted solution combustion synthesis of cerium and nickel doped ZnO nanostructures: Effects on structural, morphological, optical, and magnetic properties. Superlattices and Microstructures, 2014, 76, 174-185.	1.4	11
2348	Copper oxide based nanostructures for improved solar cell efficiency. Thin Solid Films, 2014, 572, 126-133.	0.8	94
2349	Defect spectroscopy of single ZnO microwires. Journal of Applied Physics, 2014, 115, 133101.	1.1	20
2350	Effect of ZnO:Cs ₂ CO ₃ on the performance of organic photovoltaics. Nanoscale Research Letters, 2014, 9, 323.	3.1	23
2351	Controllable synthesis of branched ZnO/Si nanowire arrays with hierarchical structure. Nanoscale Research Letters, 2014, 9, 328.	3.1	8
2352	Reactivity of Crystalline ZnO Superstructures against Fungi and Bacterial Pathogens: Synthesized Using Nerium oleander Leaf Extract. Crystal Growth and Design, 2014, 14, 4068-4079.	1.4	93
2353	Characterizing the Structure and Defect Concentration of ZnO Nanoparticles in a Colloidal Solution. Journal of Physical Chemistry C, 2014, 118, 19422-19430.	1.5	22
2354	Enhanced ultraviolet electroluminescence and spectral narrowing from ZnO quantum dots/GaN heterojunction diodes by using high-k HfO ₂ electron blocking layer. Applied Physics Letters, 2014, 105, 063505.	1.5	22
2355	Novel method to enhance the visible emission of ZnO nanostructures. Chemical Physics Letters, 2014, 614, 53-56.	1.2	5
2356	A rapid synthesis/growth process producing massive ZnO nanowires for humidity and gas sensing. Applied Physics A: Materials Science and Processing, 2014, 116, 1261-1269.	1.1	6
2357	Fabrication and characterization of spherical micro semiconductor crystals by laser ablation method. Applied Physics A: Materials Science and Processing, 2014, 117, 269-273.	1.1	2
2358	Synthesis at the nanoscale of ZnO into poly(methyl methacrylate) and its characterization. Applied Physics A: Materials Science and Processing, 2014, 117, 1085-1093.	1.1	29
2359	Correlation between location of defects in electrodeposited ZnO and performance for the corresponding hybrid solar cells. Journal of Materials Science: Materials in Electronics, 2014, 25, 2923-2928.	1.1	3
2360	Role of solvent volume on the structural and transparent conducting properties of SnO ₂ : Zn films. Journal of Materials Science: Materials in Electronics, 2014, 25, 3594-3600.	1.1	10
2361	Flexible paper-based ZnO nanorod light-emitting diodes induced multiplexed photoelectrochemical immunoassay. Chemical Communications, 2014, 50, 1417-1419.	2.2	166
2362	Low Temperature Mn Doped ZnO Nanorod Array: Synthesis and Its Photoluminescence Behavior. Industrial & Engineering Chemistry Research, 2014, 53, 9383-9390.	1.8	48
2363	A simple approach to the fabrication of fluorine-doped zinc oxide thin films by atomic layer deposition at low temperatures and an investigation into the growth mode. Journal of Materials Chemistry C, 2014, 2, 98-108.	2.7	80
2364	Probing the dominance of interstitial oxygen defects in ZnO nanoparticles through structural and optical characterizations. Ceramics International, 2014, 40, 14569-14578.	2.3	106

#	ARTICLE	IF	CITATIONS
2365	Room temperature ferromagnetism with high magnetic moment and optical properties of Co doped ZnO nanorods synthesized by a solvothermal route. <i>Journal of Alloys and Compounds</i> , 2014, 615, 378-385.	2.8	73
2366	Defects and Resistive Switching of Zinc Oxide Nanorods with Copper Addition Grown by Hydrothermal Method. <i>Journal of Electronic Materials</i> , 2014, 43, 2676-2682.	1.0	14
2367	Ciprofloxacin conjugated zinc oxide nanoparticle: A camouflage towards multidrug resistant bacteria. <i>Bulletin of Materials Science</i> , 2014, 37, 199-206.	0.8	60
2368	Structural, Optical and Electrical Properties of ZnO Thin Films Prepared by Spray Pyrolysis: Effect of Precursor Concentration. <i>Bulletin of Materials Science</i> , 2014, 37, 433-439.	0.8	45
2369	Cu-doped ZnO nanorod arrays: the effects of copper precursor and concentration. <i>Nanoscale Research Letters</i> , 2014, 9, 199.	3.1	63
2370	A facile route for the formation of shape-selective ZnO nanoarchitectures with superior photo-catalytic activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 446, 199-212.	2.3	29
2371	Understanding the local environment of Sm ³⁺ in doped SrZrO ₃ and energy transfer mechanism using time-resolved luminescence: a combined theoretical and experimental approach. <i>RSC Advances</i> , 2014, 4, 29202-29215.	1.7	83
2372	Shape-Dependent Charge Transfers in Crystalline ZnO Photocatalysts: Rods versus Plates. <i>Journal of Physical Chemistry C</i> , 2014, 118, 21331-21338.	1.5	43
2373	Effect of pH on the growth of zinc oxide nanorods using <i>Citrus aurantifolia</i> extracts. <i>Materials Letters</i> , 2014, 137, 297-299.	1.3	24
2374	Defect-related photoluminescence and photocatalytic properties of porous ZnO nanosheets. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15377.	5.2	267
2375	Different defect levels configurations between double layers of nanorods and film in ZnO grown on c-Al ₂ O ₃ by MOCVD. <i>Journal of Luminescence</i> , 2014, 154, 587-592.	1.5	9
2376	Significant enhancement of optical absorption through nano-structuring of copper based oxide semiconductors: possible future materials for solar energy applications. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 11054-11066.	1.3	64
2377	One-step synthesis of bird cage-like ZnO and other controlled morphologies: Structural, growth mechanism and photocatalytic properties. <i>Applied Surface Science</i> , 2014, 319, 211-215.	3.1	20
2378	One dimensional CdS/ZnO nanocomposites: an efficient photocatalyst for hydrogen generation. <i>RSC Advances</i> , 2014, 4, 47637-47642.	1.7	39
2379	Synthesis and high photocatalytic activity of Eu-doped ZnO nanoparticles. <i>Ceramics International</i> , 2014, 40, 10375-10382.	2.3	150
2380	Enhancement of ferromagnetism of ZnO:Co nanocrystals by post-annealing treatment: The role of oxygen interstitials and zinc vacancies. <i>Materials Letters</i> , 2014, 122, 256-260.	1.3	28
2381	Energy band structure investigation of blue and green light emitting Mg doped SnO ₂ nanostructures synthesized by combustion method. <i>Journal of Luminescence</i> , 2014, 145, 425-429.	1.5	46
2382	Characterization of hexagonal ZnO nanostructures prepared by hexamethylenetetramine (HMTA) assisted wet chemical method. <i>Materials Letters</i> , 2014, 124, 219-222.	1.3	24

#	ARTICLE	IF	CITATIONS
2383	Influence of ultrasonication times on the tunable colour emission of ZnO nanophosphors for lighting applications. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 1549-1556.	3.8	63
2384	Influence of thermal treatment on tuning the ferromagnetism in Mn-doped ZnO film. <i>Journal of Alloys and Compounds</i> , 2014, 590, 446-452.	2.8	13
2385	High sensitivity, fast speed and self-powered ultraviolet photodetectors based on ZnO micro/nanowire networks. <i>Progress in Natural Science: Materials International</i> , 2014, 24, 1-5.	1.8	28
2386	Defects related room temperature ferromagnetism in Cu-implanted ZnO nanorod arrays. <i>Journal of Alloys and Compounds</i> , 2014, 591, 80-84.	2.8	18
2387	Microstructure and band gap tailoring of Zn _{0.96} Cu _{0.04} O (0.5x0.04) nanoparticles prepared by co-precipitation method. <i>Journal of Alloys and Compounds</i> , 2014, 587, 606-612.	2.8	38
2388	Ce-doped ZnO nanorods based low operation temperature NO ₂ gas sensors. <i>Ceramics International</i> , 2014, 40, 10867-10875.	2.3	91
2389	Structure, X-ray photoelectron spectroscopy and photoluminescence investigations of the spray deposited cobalt doped ZnO thin films. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014, 106, 26-32.	2.6	34
2390	Thermal annealing-induced formation of ZnO nanoparticles: Minimum strain and stress ameliorate preferred c-axis orientation and crystal-growth properties. <i>Journal of Alloys and Compounds</i> , 2014, 610, 575-588.	2.8	79
2391	Enhanced photocatalytic activity of homoassembled ZnO nanostructures on electrospun polymeric nanofibers: A combination of atomic layer deposition and hydrothermal growth. <i>Applied Catalysis B: Environmental</i> , 2014, 156-157, 173-183.	10.8	89
2392	Effect of oxygen partial pressure on the photoluminescence properties of sol-gel synthesized nano-structured ZnO thin films. <i>Thin Solid Films</i> , 2014, 550, 65-70.	0.8	5
2393	Formation of ZnO rods with varying diameters from μ -Zn(OH) ₂ . <i>Journal of Crystal Growth</i> , 2014, 401, 279-284.	0.7	19
2394	Dark current suppression of amorphous selenium based photosensors by the ZnO hole blocking layer. <i>Current Applied Physics</i> , 2014, 14, 659-664.	1.1	10
2395	Impurity and morphological dependence on photoluminescence and enhanced impurity-induced two-photon absorption in ZnO. <i>Solid State Communications</i> , 2014, 181, 9-14.	0.9	5
2396	Preparation and photocatalytic activity of Mg _x Zn _{1-x} O thin films on silicon substrate through sol-gel process. <i>Applied Surface Science</i> , 2014, 305, 753-759.	3.1	13
2397	Role of surface functionalization in ZnO:Fe nanostructures. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2014, 183, 39-46.	1.7	8
2398	Single phase ZnO submicrotubes as a replica of electrospun polymer fiber template by atomic layer deposition. <i>Thin Solid Films</i> , 2014, 562, 291-298.	0.8	14
2399	Photoluminescence and Two-Photon Lasing of ZnO:Sn Microdisks. <i>Journal of Physical Chemistry C</i> , 2014, 118, 14542-14547.	1.5	9
2400	Silver nanoparticles in combination with acetic acid and zinc oxide quantum dots for antibacterial activities improvement—A comparative study. <i>Applied Surface Science</i> , 2014, 311, 659-665.	3.1	15

#	ARTICLE	IF	CITATIONS
2401	CTAB-mediated synthesis and characterization of ZnO/Ag core-shell nanocomposites. Journal of Alloys and Compounds, 2014, 612, 306-314.	2.8	30
2402	A comparative study on the growth of ZnO nanorods by annealing method in different environments. Journal of Alloys and Compounds, 2014, 611, 117-124.	2.8	12
2403	Hydrothermal growth of flower-like ZnO nanostructures on porous silicon substrate. Journal of Molecular Structure, 2014, 1074, 140-143.	1.8	42
2404	ZnO/Ag hybrid nanocubes in alginate biopolymer: Synthesis and properties. Chemical Engineering Journal, 2014, 253, 341-349.	6.6	40
2405	Annealing induced reorientation of crystallites in Sn doped ZnO films. Optical Materials, 2014, 37, 59-64.	1.7	35
2406	Investigation of oxygen vacancy and photoluminescence in calcium tungstate nanophosphors with different particle sizes. Materials Research Bulletin, 2014, 50, 36-41.	2.7	35
2407	Influence of surface modification by 2-aminothiophenol on optoelectronics properties of ZnO nanoparticles. Journal of Experimental Nanoscience, 2014, 9, 877-891.	1.3	30
2408	Synthesis and characterization of rod-like ZnO decorated with Fe^{3+} -Fe ₂ O ₃ nanoparticles monolayer. Journal of Alloys and Compounds, 2014, 586, S476-S482.	2.8	15
2409	Dual acceptor doping and aging effect of p-ZnO:(Na, N) nanorod thin films by spray pyrolysis. , 2014, , .		3
2410	Large-scale fabrication and the optical properties of tower-like zinc oxide structures. Micro and Nano Letters, 2014, 9, 475-477.	0.6	0
2411	Fabrication of novel ZnO nanotroughs and their reaction temperature-dependent photoluminescence properties. International Journal of Nanomanufacturing, 2014, 10, 142.	0.3	0
2412	Photoluminescence properties of un-doped and Mn-doped ZnO nanostructures. Materials Express, 2014, 4, 475-482.	0.2	20
2414	Electronic and magnetic properties of the cation vacancy defect in ZnO . Physical Review B, 2015, 92, .		
2415	Enhanced Charge Separation and FRET at Heterojunctions between Semiconductor Nanoparticles and Conducting Polymer Nanofibers for Efficient Solar Light Harvesting. Scientific Reports, 2015, 5, 17313.	1.6	87
2416	Structural and optical properties of ZnO: K synthesized by sol-gel auto-combustion route. AIP Conference Proceedings, 2015, , .	0.3	0
2417	Effects of MnO doping on the electronic properties of zinc oxide: 406 GHz electron paramagnetic resonance spectroscopy and Newman superposition model analysis. Journal of Applied Physics, 2015, 118, .	1.1	14
2418	Characterization of annealed zinc oxide nanotip array prepared by chemical bath deposition. Crystal Research and Technology, 2015, 50, 909-914.	0.6	0
2419	Production and Photoelectric Activity of P and Al Co-Doped ZnO Nanomaterials. European Journal of Inorganic Chemistry, 2015, 2015, 3708-3714.	1.0	15

#	ARTICLE	IF	CITATIONS
2420	3D-Architected and Integrated Metal Oxide Nanostructures and Beyond Produced by Three-Dimensional Nanotemplate Pulsed Laser Deposition. E-Journal of Surface Science and Nanotechnology, 2015, 13, 279-283.	0.1	10
2421	Synthesis of ZnO films in different solvents and their photocatalytic activities. Crystal Research and Technology, 2015, 50, 840-845.	0.6	5
2422	ZnO TFTs prepared by chemical bath deposition technique with high k La ₂ O ₃ gate dielectric annealed in ambient atmosphere. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 826-830.	0.8	11
2423	Amine-Based Interfacial Molecules for Inverted Polymer-Based Optoelectronic Devices. Advanced Materials, 2015, 27, 3553-3559.	11.1	77
2424	Construction of FeS ₂ -Sensitized ZnO@ZnS Nanorod Arrays with Enhanced Optical and Photoresponse Performances. Advanced Materials Interfaces, 2015, 2, 1500163.	1.9	17
2425	Enhanced Photoluminescence and Raman Properties of Al-Doped ZnO Nanostructures Prepared Using Thermal Chemical Vapor Deposition of Methanol Assisted with Heated Brass. PLoS ONE, 2015, 10, e0121756.	1.1	60
2426	Optical Properties of Indium Doped ZnO Nanowires. International Journal of Photoenergy, 2015, 2015, 1-6.	1.4	1
2427	Effect of Synthesis Temperature, Nucleation Time, and Postsynthesis Heat Treatment of ZnO Nanoparticles and Its Sensing Properties. Journal of Nanomaterials, 2015, 2015, 1-6.	1.5	32
2428	Enhancement of photoluminescence emission and anomalous photoconductivity properties of Fe ₃ O ₄ @SiO ₂ core-shell microspheres. RSC Advances, 2015, 5, 37729-37736.	1.7	23
2429	Characteristics of Transparent Conducting W-Doped SnO ₂ Thin Films Prepared by Using the Magnetron Sputtering Method. Journal of the American Ceramic Society, 2015, 98, 1121-1127.	1.9	34
2430	One-step synthesis, characterization, and visible light photocatalytic activity of pure and Zn-doped SnO ₂ nanoparticles. Applied Physics A: Materials Science and Processing, 2015, 120, 463-469.	1.1	12
2431	Synthesis of S-doped ZnO by the interaction of sulfur with zinc salt in PEG200. Journal of Alloys and Compounds, 2015, 644, 383-389.	2.8	36
2432	Structural and spectroscopic analysis of wurtzite (ZnO) _{1-x} (Sb ₂ O ₃) _x composite semiconductor. Progress in Natural Science: Materials International, 2015, 25, 131-136.	1.8	25
2433	Structural, morphological characteristics and optical properties of Y doped ZnO thin films by sol-gel spin coating method. Superlattices and Microstructures, 2015, 85, 237-247.	1.4	65
2434	The plasticizing effect of properties of manganous chloride and glycerin on poly(vinyl alcohol). Polish Journal of Chemical Technology, 2015, 17, 29-33.	0.3	5
2435	Investigation on the enhanced electrochemical performances of Li _{1.2} Ni _{0.13} Co _{0.13} Mn _{0.54} O ₂ by surface modification with ZnO. Electrochimica Acta, 2015, 173, 515-522.	2.6	58
2436	The Structural and Optical Properties of Al Doped ZnO Thin Film. Applied Mechanics and Materials, 0, 727-728, 280-283.	0.2	0
2437	Optical properties of non-polar a-plane ZnO single crystal. Journal of the Korean Physical Society, 2015, 67, 763-766.	0.3	2

#	ARTICLE	IF	CITATIONS
2438	Study on the intrinsic defects in ZnO by combining first-principle and thermodynamic calculations. Modern Physics Letters B, 2015, 29, 1550194.	1.0	2
2439	Vinyltrimethoxysilane-modified zinc oxide quantum dots with tuned optical properties. Applied Surface Science, 2015, 359, 766-773.	3.1	11
2440	Effect of gas ratio on p type phosphorus doped ZnO film. Surface Engineering, 2015, 31, 770-774.	1.1	7
2441	Selective hydrogen sensing by cobalt doped ZnO thin films: A study on carrier reversal conductivity. , 2015, , .		2
2442	Intense violet-blue emission and paramagnetism of nanocrystalline Gd ³⁺ doped ZnO ceramics. Journal of Advanced Ceramics, 2015, 4, 300-306.	8.9	14
2443	Oxidation-temperature dependence of the optical properties of ZnO thin films grown on corning glass by oxidation of metallic Zn. Journal of the Korean Physical Society, 2015, 67, 1278-1283.	0.3	2
2444	Exchange-Dominated Pure Spin Current Transport in Alq_3 . Physical Review Letters, 2015, 115, 086601.	2.9	55
2445	Zinc Oxide Nanophotonics. Nanophotonics, 2015, 4, 437-458.	2.9	24
2446	Evaluation of zinc oxide nano-microtetrapods for biomolecule sensing applications. , 2015, , .		1
2447	Comparison of ZnO nanorod-based bulk and conformal hybrid solar cells. Materials Research Innovations, 2015, 19, 324-327.	1.0	2
2448	Spray Pyrolysis Deposition of ZnO Thin Films from Zinc Chloride Precursor Solution at Different Substrate Temperatures. Acta Metallurgica Sinica (English Letters), 2015, 28, 110-114.	1.5	7
2449	Enhanced photocatalytic properties of graphene oxide/ZnO nanohybrid by Mg dopants. Physica Scripta, 2015, 90, 025806.	1.2	22
2450	Photoluminescence and Raman studies for the confirmation of oxygen vacancies to induce ferromagnetism in Fe doped Mn:ZnO compound. Journal of Magnetism and Magnetic Materials, 2015, 382, 111-116.	1.0	32
2451	Synthesis, growth and characterization of ZnO microtubes using a traveling-wave mode microwave system. Materials Research Bulletin, 2015, 66, 65-70.	2.7	8
2452	Growth and temperature dependent photoluminescence characteristics of ZnO tetrapods. Ceramics International, 2015, 41, 4154-4160.	2.3	24
2453	Enhanced visible-light photocatalytic activity of strontium-doped zinc oxide nanoparticles. Materials Science in Semiconductor Processing, 2015, 32, 152-159.	1.9	147
2454	Low temperature carving of ZnO nanorods into nanotubes for dye-sensitized solar cell application. Journal of Alloys and Compounds, 2015, 633, 359-365.	2.8	21
2455	Phosphorus Concentration Dependent Microstructure and Optical Property of ZnO Nanowires Grown by High-Pressure Pulsed Laser Deposition. Journal of Physical Chemistry C, 2015, 119, 4371-4378.	1.5	18

#	ARTICLE	IF	CITATIONS
2456	Structural and optical properties of (Mg,Al)-codoped ZnO nanoparticles synthesized by the autocombustion method. <i>Ceramics International</i> , 2015, 41, 6373-6380.	2.3	11
2457	Energy Transfer Induced by Carbon Quantum Dots in Porous Zinc Oxide Nanocomposite Films. <i>Journal of Physical Chemistry C</i> , 2015, 119, 2837-2843.	1.5	55
2458	Study of faceted Au nanoparticle capped ZnO nanowires: antireflection, surface enhanced Raman spectroscopy and photoluminescence aspects. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 055303.	1.3	12
2459	Striking sensing improvement of n-type oxide nanowires by electronic sensitization based on work function difference. <i>Journal of Materials Chemistry C</i> , 2015, 3, 1521-1527.	2.7	57
2460	Biogenic synthesis of ZnO@Ag nano custard apples for efficient photocatalytic degradation of methylene blue by sunlight irradiation. <i>RSC Advances</i> , 2015, 5, 17179-17185.	1.7	61
2461	Structural and optical properties of ZnO thin films with heavy Cu-doping prepared by magnetron co-sputtering. <i>Materials Letters</i> , 2015, 143, 319-321.	1.3	19
2462	Microwave synthesis of ZnO@mSiO ₂ for detailed antifungal mode of action study: Understanding the insights into oxidative stress. <i>Journal of Colloid and Interface Science</i> , 2015, 444, 97-108.	5.0	34
2463	Interfacial carrier dynamics in PbS-ZnO light harvesting assemblies and their potential implication in photovoltaic/ photocatalysis application. <i>Solar Energy Materials and Solar Cells</i> , 2015, 134, 400-406.	3.0	36
2464	Size induced ferromagnetism in pristine indium oxide nanoparticles. <i>Applied Surface Science</i> , 2015, 331, 87-91.	3.1	17
2465	Controllable preparation of ZnO nanostructure using hydrothermal-electrodeposited method and its properties. <i>Materials Chemistry and Physics</i> , 2015, 153, 266-273.	2.0	25
2466	The fabrication and photocatalytic performances of flower-like Ag nanoparticles/ZnO nanosheets-assembled microspheres. <i>Applied Surface Science</i> , 2015, 331, 50-57.	3.1	58
2467	Facile synthesis of single crystalline n/p-type ZnO nanorods by lithium substitution and their photoluminescence, electrochemical and photocatalytic properties. <i>New Journal of Chemistry</i> , 2015, 39, 2612-2619.	1.4	22
2468	Comparison of photoluminescence of carbon nanotube/ZnO nanostructures synthesized by gas- and solution-phase transport. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 118, 733-738.	1.1	1
2469	Zn interstitials and O vacancies responsible for n-type ZnO: what do the emission spectra reveal?. <i>RSC Advances</i> , 2015, 5, 23540-23547.	1.7	146
2470	Facile Synthesis of Quasi Spherical ZnO Nanoparticles with Excellent Photocatalytic Activity. <i>Journal of Cluster Science</i> , 2015, 26, 1187-1201.	1.7	133
2471	Effects of bath temperature on the morphology of ZnO nano-rods and its optical properties. <i>Materials Letters</i> , 2015, 148, 1-4.	1.3	22
2472	Enhancement in photoluminescence performance of carbon-decorated T-ZnO. <i>Nanotechnology</i> , 2015, 26, 125705.	1.3	11
2473	Transparent ALD-grown Ta ₂ O ₅ protective layer for highly stable ZnO photoelectrode in solar water splitting. <i>Chemical Communications</i> , 2015, 51, 7290-7293.	2.2	54

#	ARTICLE	IF	CITATIONS
2474	Photochemical Synthesis of Hierarchical Multiple-Growth-Hillock Superstructures of Silver Nanoparticles on ZnO. <i>Journal of Physical Chemistry C</i> , 2015, 119, 14312-14318.	1.5	6
2475	Evolution of room temperature ferromagnetism with increasing 1D growth in Ni-doped ZnO nanostructures. <i>Journal of Alloys and Compounds</i> , 2015, 647, 558-565.	2.8	34
2476	Nanostructured zinc oxide thin film by simple vapor transport deposition. <i>Superlattices and Microstructures</i> , 2015, 85, 379-384.	1.4	4
2477	Mass preparation and novel visible light photocatalytic activity of C and Ag Co-modified ZnO nanocrystals. <i>Journal of Colloid and Interface Science</i> , 2015, 459, 1-9.	5.0	20
2478	Effect of Er doping on microstructure and optical properties of ZnO thin films prepared by sol-gel method. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 8732-8739.	1.1	18
2479	Starch assisted growth of dumbbell-shaped ZnO microstructures. <i>Journal of Alloys and Compounds</i> , 2015, 646, 238-242.	2.8	6
2480	Optical Properties of Annealed ZnO Thin Films Fabricated by Pulsed Laser Deposition. <i>Silicon</i> , 2015, 7, 393-400.	1.8	13
2481	Synergistically enhanced photocatalytic and chemotherapeutic effects of aptamer-functionalized ZnO nanoparticles towards cancer cells. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 21576-21582.	1.3	38
2482	Probing local site environments and distribution of manganese in SrZrO ₃ :Mn; PL and EPR spectroscopy complimented by DFT calculations. <i>RSC Advances</i> , 2015, 5, 17501-17513.	1.7	51
2483	Growth of Co-doped ZnO nanoparticles by porous alumina assisted sol-gel route: Structural optical and magnetic properties. <i>Journal of Alloys and Compounds</i> , 2015, 647, 252-258.	2.8	18
2484	Ultrafast dynamics at the zinc phthalocyanine/zinc oxide nano hybrid interface for efficient solar light harvesting in the near red region. <i>Solar Energy Materials and Solar Cells</i> , 2015, 143, 63-71.	3.0	28
2485	Surface texture of pulse-magnetron-sputtered ZnO:Al films by using a diluted NH ₄ Cl aqueous solution. <i>Journal of the Korean Physical Society</i> , 2015, 66, 1569-1574.	0.3	0
2486	Enhanced violet photoemission of nanocrystalline fluorine doped zinc oxide (FZO) thin films. <i>Optical Materials</i> , 2015, 47, 88-94.	1.7	17
2487	Shine blue and blue-green photoluminescence in BaZrO ₃ powders: An Ab-initio analysis of structural deformation. <i>Chemical Physics Letters</i> , 2015, 635, 228-233.	1.2	8
2488	One-pot facile synthesis of branched Ag-ZnO heterojunction nanostructure as highly efficient photocatalytic catalyst. <i>Applied Surface Science</i> , 2015, 353, 949-957.	3.1	45
2489	Photoluminescence properties of polymethyl methacrylate-coated Zn ₂ SnO ₄ nanowires. <i>Thin Solid Films</i> , 2015, 591, 336-340.	0.8	2
2490	Effect of the RF sputtering power on microstructural, optical and electrical properties of Al doped ZnO thin films. <i>Thin Solid Films</i> , 2015, 589, 514-520.	0.8	41
2491	Non-laminated growth of chlorine-doped zinc oxide films by atomic layer deposition at low temperatures. <i>Journal of Materials Chemistry C</i> , 2015, 3, 8336-8343.	2.7	22

#	ARTICLE	IF	CITATIONS
2492	The effects of shell characteristics on the UV photoresponse behaviors of photoconductivity based on ZnO/ZnMgO core-shell nanowire arrays. <i>Materials Research Express</i> , 2015, 2, 076201.	0.8	3
2493	Structural, microstructural, and optical properties of Zn _{1-x} Mg _x O thin films grown onto glass substrate by ultrasonic spray pyrolysis. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 120, 745-755.	1.1	28
2494	Phosphorus-Doped p-n Homojunction ZnO Nanowires: Growth Kinetics in Liquid and Their Optoelectronic Properties. <i>Chemistry of Materials</i> , 2015, 27, 4216-4221.	3.2	28
2495	Fabrication of Transparent ZnO Thick Film with Unusual Orientation by the Chemical Bath Deposition. <i>Crystal Growth and Design</i> , 2015, 15, 3150-3156.	1.4	12
2496	Photocatalytic activity enhancement of LaPO ₄ via surface oxygen vacancies. <i>RSC Advances</i> , 2015, 5, 56711-56716.	1.7	9
2497	Geometrical Separation of Defect States in ZnO Nanorods and Their Morphology-Dependent Correlation between Photoluminescence and Photoconductivity. <i>Journal of Physical Chemistry C</i> , 2015, 119, 16984-16990.	1.5	36
2498	Anisochilus carnosus leaf extract mediated synthesis of zinc oxide nanoparticles for antibacterial and photocatalytic activities. <i>Materials Science in Semiconductor Processing</i> , 2015, 39, 621-628.	1.9	149
2499	Diameter and density controlled growth of yttrium functionalized zinc oxide (YZO) nanorod arrays by hydrothermal. <i>Current Applied Physics</i> , 2015, 15, S82-S88.	1.1	17
2500	The optical properties of the ZnO nano-rod arrays on the ITO substrate. <i>Materials Letters</i> , 2015, 155, 65-67.	1.3	19
2501	Top gate ZnO/Al ₂ O ₃ thin film transistors fabricated using a chemical bath deposition technique. <i>Journal of Semiconductors</i> , 2015, 36, 044002.	2.0	5
2502	Effect of electrodeposition duration on the morphological and structural modification of the flower-like nanostructured ZnO. <i>Vacuum</i> , 2015, 120, 100-106.	1.6	22
2503	Simple Growth of Faceted Au-ZnO Hetero-nanostructures on Silicon Substrates (Nanowires and) Tj ETQq1 1 0.784314 rgBT /Overlaid Visible Light. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 9486-9496.	4.0	38
2504	Highly monodispersed ZnO nanorods: preparation and optical properties. <i>Journal of Experimental Nanoscience</i> , 2015, 10, 682-689.	1.3	2
2505	Zinc oxide tetrapod: a morphology with multifunctional applications. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2015, 6, 033002.	0.7	27
2506	Enhanced ultraviolet and visible photoluminescence of ZnO/Zn ₂ SiO ₄ /SiO ₂ /Si multilayer structure. <i>Journal of Alloys and Compounds</i> , 2015, 642, 131-135.	2.8	12
2507	Microwave-assisted synthesis of Ag/Ag ₂ SO ₄ /ZnO nanostructures for efficient visible-light-driven photocatalysis. <i>Journal of Molecular Catalysis A</i> , 2015, 401, 81-89.	4.8	52
2508	Facile fabrication and photocatalytic properties of ZnO nanorods/ZnSe nanosheets heterostructure. <i>Superlattices and Microstructures</i> , 2015, 83, 447-458.	1.4	19
2509	Studies on Gd doped ZnO nanocrystalline thin films. <i>Materials Research Innovations</i> , 2015, 19, 40-43.	1.0	9

#	ARTICLE	IF	CITATIONS
2510	Fluorine-doped zinc oxide thin films: influence of precursor flow rate on violet luminescence. Applied Physics A: Materials Science and Processing, 2015, 119, 941-948.	1.1	1
2511	Impact of 100ÂMeV Ag ⁷⁺ SHI irradiation fluence and N incorporation on structural, optical, electrical and gas sensing properties of ZnO thin films. Applied Physics A: Materials Science and Processing, 2015, 119, 1541-1553.	1.1	21
2512	Experimental investigation on structural and optical properties of ZnO: AZO nano particles by hydrothermal synthesis. Journal of Materials Science: Materials in Electronics, 2015, 26, 1748-1755.	1.1	3
2513	Electrochemical deposition of zinc oxide nanorods for hybrid solar cells. Japanese Journal of Applied Physics, 2015, 54, 04DK05.	0.8	20
2514	A general, eco-friendly synthesis procedure of self-assembled ZnO-based materials with multifunctional properties. Dalton Transactions, 2015, 44, 7844-7853.	1.6	16
2515	The effect of electron recombination processes on the luminescence kinetics of ZnO ceramics. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2015, 118, 425-430.	0.2	1
2516	Resistive Switching and Polarization Reversal of Hydrothermal-Method-Grown Undoped Zinc Oxide Nanorods by Using Scanning Probe Microscopy Techniques. ACS Applied Materials & Interfaces, 2015, 7, 11412-11422.	4.0	35
2517	Structural, morphological and luminescence studies on pristine and La doped zinc oxide (ZnO) nanoparticles. Optik, 2015, 126, 1555-1558.	1.4	19
2518	Point Defects in ZnO. Semiconductors and Semimetals, 2015, 91, 279-313.	0.4	20
2519	Obtainable P-Type ZnO Film Doped with Li by Sol-Gel Method. Applied Mechanics and Materials, 0, 734, 796-801.	0.2	4
2520	Improving the electrical, magnetic and antibacterial properties of solâ€gel spin coated ZnO thin films through (SnÂ+Mn) co-doping. Journal of Materials Science: Materials in Electronics, 2015, 26, 5451-5458.	1.1	4
2521	Synthesis and characterization of new Cd-doped ZnO/ZnS coreâ€shell quantum dots with tunable and highly visible photoluminescence. Journal of Materials Chemistry C, 2015, 3, 3391-3398.	2.7	29
2522	Plasma enhanced multistate storage capability of single ZnO nanowire based memory. Applied Physics Letters, 2015, 106, .	1.5	30
2523	Competing Forces in the Self-Assembly of Coupled ZnO Nanopyramids. ACS Nano, 2015, 9, 3685-3694.	7.3	22
2524	Direct observation of key photoinduced dynamics in a potential nano-delivery vehicle of cancer drugs. Physical Chemistry Chemical Physics, 2015, 17, 166-177.	1.3	44
2525	Density Controlled Growth of ZnO Nanowallâ€Nanowire 3D Networks. Journal of Physical Chemistry C, 2015, 119, 12023-12029.	1.5	11
2526	Defects-Driven Ferromagnetism in Undoped Dilute Magnetic Oxides: A Review. Journal of Materials Science and Technology, 2015, 31, 969-978.	5.6	49
2527	Visible electroluminescence from a ZnO nanowires/p-GaN heterojunction light emitting diode. Optics Express, 2015, 23, 18937.	1.7	15

#	ARTICLE	IF	CITATIONS
2528	Spontaneous shape transition of thin films into ZnO nanowires with high structural and optical quality. <i>Nanoscale</i> , 2015, 7, 16994-17003.	2.8	9
2529	Growth Conditions Control the Elastic and Electrical Properties of ZnO Nanowires. <i>Nano Letters</i> , 2015, 15, 7886-7892.	4.5	53
2530	Modulating charge transport in semiconductor photocatalysts by spatial deposition of reduced graphene oxide and platinum. <i>Journal of Catalysis</i> , 2015, 332, 101-111.	3.1	26
2531	Enhancement in the structure quality of ZnO nanorods by diluted Co dopants: Analyses via optical second harmonic generation. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	11
2532	Tuning band gap and ferromagnetism in epitaxial Al-doped SnO ₂ films by defect engineering. <i>Journal of Crystal Growth</i> , 2015, 430, 75-79.	0.7	11
2533	Structural, morphological and optical properties of Albumen mediated ZnO nanoparticles. <i>Optik</i> , 2015, 126, 5748-5752.	1.4	5
2534	Sunlight assisted photodegradation by tin oxide quantum dots. <i>Journal of Physics and Chemistry of Solids</i> , 2015, 87, 244-252.	1.9	6
2535	Luminescence of sensitive materials: towards new optical sensing. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
2536	CO sensing properties under UV radiation of Ga-doped ZnO nanopowders. <i>Applied Surface Science</i> , 2015, 355, 1321-1326.	3.1	48
2537	Electrochemical synthesis of ZnO/In ₂ S ₃ core-shell nanowires for enhanced photoelectrochemical properties. <i>Journal of Alloys and Compounds</i> , 2015, 653, 395-401.	2.8	33
2538	Facile synthesis and enhanced luminescent properties of ZnO/HfO ₂ core-shell nanowires. <i>Nanoscale</i> , 2015, 7, 15462-15468.	2.8	23
2539	Enhanced ultraviolet photocatalytic activity of Ag/ZnO nanoparticles synthesized by modified polymer-network gel method. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	19
2540	Evaluation of oxygen vacancy in ZnO using Raman spectroscopy. , 2015, , .		13
2541	Enhanced visible photoluminescent and structural properties of ZnO/KIT-6 nanoporous materials for white light emitting diode (w-LED) application. <i>Journal of Alloys and Compounds</i> , 2015, 651, 479-482.	2.8	87
2542	Controlled loading of gold nanoparticles on ZnO nanorods and their high photocatalytic activity. <i>Materials Letters</i> , 2015, 159, 502-505.	1.3	13
2543	Structural, optical, and magnetic properties of Ni doped ZnO nanoparticles: Correlation of magnetic moment with defect density. <i>Applied Surface Science</i> , 2015, 356, 804-811.	3.1	133
2544	Charge Redistribution and Extraction in Photocatalytically Synthesized Au-ZnO Nanohybrids. <i>Journal of Physical Chemistry C</i> , 2015, 119, 21704-21710.	1.5	19
2545	Defect related emission versus intersystem crossing: blue emitting ZnO/graphene oxide quantum dots. <i>Nanoscale</i> , 2015, 7, 16110-16118.	2.8	29

#	ARTICLE	IF	CITATIONS
2546	Influence of Ce Doping Concentration on the Structural and Optical Properties of Sol-gel Derived ZnO:Ce Nanostructures. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2015, 25, 1521-1528.	1.9	9
2547	Influence of doping group I elements on structural, optical and magnetic properties of nanocrystalline ZnO. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 8089-8096.	1.1	9
2548	Seeded Porous Silicon Preparation as a Substrate in the Growth of ZnO Nanostructures. <i>Applied Mechanics and Materials</i> , 0, 773-774, 626-631.	0.2	0
2549	Growth of tin oxide thin films composed of nanoparticles on hydrophilic and hydrophobic glass substrates by spray pyrolysis technique. <i>Applied Surface Science</i> , 2015, 357, 915-921.	3.1	8
2550	Tuning the Microstructural and Magnetic Properties of ZnO Nanopowders through the Simultaneous Doping of Mn and Ni for Biomedical Applications. <i>Journal of Materials Science and Technology</i> , 2015, 31, 1111-1117.	5.6	60
2551	Gas sensitive luminescence of ZnO coatings obtained by plasma electrolytic oxidation. <i>Sensors and Actuators A: Physical</i> , 2015, 234, 290-293.	2.0	20
2552	Role of surface defects on visible light enabled plasmonic photocatalysis in Au-ZnO nanocatalysts. <i>RSC Advances</i> , 2015, 5, 96670-96680.	1.7	59
2553	Preparation and photocatalytic activity of multi-walled carbon nanotubes/Mg-doped ZnO nanohybrids. <i>Materials Science-Poland</i> , 2015, 33, 460-469.	0.4	18
2554	Morphological, structural and optical properties of silver treated zinc oxide thin film. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 139-148.	1.1	9
2555	Synthesis of ZnO nanoparticles with a novel combustion method and their C ₂ H ₅ OH gas sensing properties. <i>Ceramics International</i> , 2015, 41, 2180-2186.	2.3	51
2556	Synthesis of supported silver nano-spheres on zinc oxide nanorods for visible light photocatalytic applications. <i>Materials Research Bulletin</i> , 2015, 63, 134-140.	2.7	114
2557	Synthesis, luminescence properties and EPR investigation of hydrothermally derived uniform ZnO hexagonal rods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 139, 262-270.	2.0	10
2558	The effect of concentration precursor reagents on the excitation spectra of the ZnO quantum dots in the solution. <i>Materials Letters</i> , 2015, 141, 330-332.	1.3	8
2559	Effects of Na content on structural and optical properties of Na-doped ZnO thin films prepared by sol-gel method. <i>Journal of Alloys and Compounds</i> , 2015, 623, 367-373.	2.8	102
2560	Biomilling of rod-shaped ZnO nanoparticles: a potential role of <i>Saccharomyces cerevisiae</i> extracellular proteins. <i>RSC Advances</i> , 2015, 5, 1883-1889.	1.7	12
2561	High-performance UV photodetectors and temperature-dependent photoluminescence of individual ZnO hexagonal-prism microwire. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 118, 1267-1271.	1.1	9
2562	Structural and optical characterization of wurtzite type ZnS. <i>Current Applied Physics</i> , 2015, 15, 103-109.	1.1	47
2563	A facile method for fabricating Au-nanoparticles-decorated ZnO nanorods with greatly enhanced near-band-edge emission. <i>Ceramics International</i> , 2015, 41, 2673-2679.	2.3	37

#	ARTICLE	IF	CITATIONS
2564	Solar-photocatalytic disinfection of <i>Vibrio cholerae</i> by using Ag@ZnO core-shell structure nanocomposites. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 142, 68-76.	1.7	79
2565	Seed-Induced Growth of Flower-Like Au-Ni-ZnO Metal-Semiconductor Hybrid Nanocrystals for Photocatalytic Applications. <i>Small</i> , 2015, 11, 1460-1469.	5.2	55
2566	Structure, luminescence and photocatalytic activity of Mg-doped ZnO nanoparticles prepared by auto combustion method. <i>Materials Science in Semiconductor Processing</i> , 2015, 29, 372-379.	1.9	102
2567	Unique approach to change ZnO appearance and its properties during its growth: <i>Current Materials Letters</i> , 2015, 139, 311-313.	1.3	12
2568	Effect of oxygen vacancy on enhanced photocatalytic activity of reduced ZnO nanorod arrays. <i>Applied Surface Science</i> , 2015, 325, 112-116.	3.1	130
2569	ZnO nanostructures prepared using a vapour transport method. <i>Journal of Experimental Nanoscience</i> , 2015, 10, 161-166.	1.3	5
2570	Green synthesis of ZnO nanoparticles using <i>Solanum nigrum</i> leaf extract and their antibacterial activity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 864-870.	2.0	448
2571	ZnO/Er ₂ O ₃ core-shell nanorod arrays: Synthesis, properties and growth mechanism. <i>Applied Surface Science</i> , 2015, 325, 117-123.	3.1	6
2572	Photocatalytic performance of ZnO nanomaterials for self sensitized degradation of malachite green dye under solar light. <i>Applied Catalysis A: General</i> , 2015, 490, 42-49.	2.2	248
2573	Facile fabrication and enhanced photocatalytic properties of ZnO/Au nanocomposites through a mild wet-chemistry route. <i>Materials Letters</i> , 2015, 140, 39-42.	1.3	17
2574	Crystal Growth through the Ages. , 2015, , 1-83.		6
2575	Eu-doped ZnO nanoparticles prepared by the combustion reaction method: Structural, photoluminescence and dielectric characterization. <i>Materials Science in Semiconductor Processing</i> , 2015, 30, 135-141.	1.9	53
2576	Green emission from ZnO-MgO nanocomposite due to Mg diffusion at the interface. <i>Journal of Luminescence</i> , 2015, 158, 306-312.	1.5	17
2577	Structural and optical analysis of Zn _{1-x} Cd _x O nanopowder synthesized by Hydrothermal method. <i>Ceramics International</i> , 2015, 41, 587-593.	2.3	16
2578	Effect of ultraviolet-illumination and sample ambient on photoluminescence from zinc oxide nanocrystals. <i>Journal of Luminescence</i> , 2015, 158, 99-102.	1.5	12
2579	Structural, optical and photocatalytic properties of (Mg,Al)-codoped ZnO powders prepared by sol-gel method. <i>Journal of Physics and Chemistry of Solids</i> , 2015, 76, 88-93.	1.9	32
2580	Biogenic synthesis of SnO ₂ nanoparticles: Evaluation of antibacterial and antioxidant activities. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 134, 372-379.	2.0	125
2581	Study on the electroluminescence properties of diodes based on n-ZnO/p-NiO/p-Si heterojunction. <i>Optics Communications</i> , 2015, 336, 1-4.	1.0	11

#	ARTICLE	IF	CITATIONS
2582	Ordered ZnO nano-rod array films prepared by low cost electrochemical deposition and its optical properties. <i>Materials Letters</i> , 2015, 138, 262-264.	1.3	5
2583	Ferromagnetic mechanism for Zn _{0.98} Ni _{0.02} O nanoparticles. <i>Ceramics International</i> , 2015, 41, 1059-1063.	2.3	2
2584	Synthesis and oxygen vacancy-related photocatalytic properties of ZnO nanotubes grown by thermal evaporation. <i>Research on Chemical Intermediates</i> , 2015, 41, 5167-5176.	1.3	18
2585	High conductive and transparent Al doped ZnO films for a-SiGe:H thin film solar cells. <i>Frontiers of Optoelectronics</i> , 2015, 8, 298-305.	1.9	0
2586	Investigation of structural, surface morphological, optical properties and first-principles study on electronic and magnetic properties of (Ce, Fe)-co doped ZnO. <i>Physica B: Condensed Matter</i> , 2015, 456, 344-354.	1.3	28
2587	A Comparative Analysis of the Properties of Zinc Oxide (ZnO) Nanoparticles Synthesized by Hydrothermal and Sol-Gel Methods. <i>Indian Journal of Science and Technology</i> , 2016, 9, .	0.5	10
2588	A Review of the Synthesis and Photoluminescence Properties of Hybrid ZnO and Carbon Nanomaterials. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-12.	1.5	58
2589	Resistive Switching of Plasma-Treated Zinc Oxide Nanowires for Resistive Random Access Memory. <i>Nanomaterials</i> , 2016, 6, 16.	1.9	25
2590	Temperature-Driven Structural and Morphological Evolution of Zinc Oxide Nano-Coalesced Microstructures and Its Defect-Related Photoluminescence Properties. <i>Materials</i> , 2016, 9, 300.	1.3	47
2591	Magnetic Properties of Gadolinium-Doped ZnO Films and Nanostructures. , 2016, , .		3
2592	Effect of barium doping on structural and optical properties of zinc oxide nanoparticles synthesized by microwave hydrothermal method. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 260-266.	0.7	19
2593	Photoinduced Dynamics and Toxicity of a Cancer Drug in Proximity of Inorganic Nanoparticles under Visible Light. <i>ChemPhysChem</i> , 2016, 17, 270-277.	1.0	24
2594	A facile method to fabricate superhydrophobic ZnO nanostructure with petal effect. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 11524-11529.	1.1	1
2595	Characteristics of zinc oxide nanorod array/titanium oxide film heterojunction prepared by aqueous solution deposition. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 075001.	0.8	1
2596	Iron addition induced tunable band gap and tetravalent Fe ion in hydrothermally prepared SnO ₂ nanocrystals: Application in photocatalysis. <i>Materials Research Bulletin</i> , 2016, 83, 481-490.	2.7	37
2597	Reduction of O ₂ -related defect states related to increased bandgap in Si ⁴⁺ substituted ZnO. <i>Scripta Materialia</i> , 2016, 124, 11-14.	2.6	20
2598	Enhanced mechanism investigation on violet-blue emission of ZnO films by incorporating Al and Zn to form ZnO-Al-Zn films. <i>Optical Materials</i> , 2016, 62, 505-511.	1.7	20
2599	Flexible Light-Emitting Nanocomposite Based on ZnO Nanotetrapods. <i>Nano Letters</i> , 2016, 16, 7389-7393.	4.5	31

#	ARTICLE	IF	CITATIONS
2600	Change of scattering mechanism and annealing out of defects on Ga-doped ZnO films deposited by radio-frequency magnetron sputtering. <i>Journal of Applied Physics</i> , 2016, 119, .	1.1	14
2601	Resistive switching characteristics of a compact ZnO nanorod array grown directly on an Al-doped ZnO substrate. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 295109.	1.3	10
2602	Spatially resolved photoresponse on individual ZnO nanorods: correlating morphology, defects and conductivity. <i>Scientific Reports</i> , 2016, 6, 28468.	1.6	19
2603	Magnetic and optical properties of Mn-doped ZnO vertically aligned nanorods synthesized by hydrothermal technique. <i>AIP Advances</i> , 2016, 6, .	0.6	29
2604	Surface analysis and cathodoluminescence degradation of undoped ZnO and ZnO:Zn phosphors. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2016, 34, 041221.	0.6	15
2605	Parametric investigation of substrate temperatures on the properties of Zinc oxide deposited over a flexible polymeric substrate via spray technique. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 149, 012069.	0.3	1
2606	Oxygen vacancy-induced red light emission from flexible inorganic micropatterned p-CuO/n-ZnO heterojunction light-emitting diode. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	14
2607	Switching photoluminescence channels between dopant Eu ²⁺ and Eu ³⁺ ions in ZnO thin films by varying the post-annealing conditions. <i>Journal of Applied Physics</i> , 2016, 120, 123101.	1.1	5
2608	Multifunctional epitaxial systems on silicon substrates. <i>Applied Physics Reviews</i> , 2016, 3, 031301.	5.5	30
2609	Vertically Well-Aligned ZnO Nanowire Arrays Directly Synthesized from Zn Vapor Deposition Without Catalyst. <i>Journal of Electronic Materials</i> , 2016, 45, 2601-2607.	1.0	6
2610	Photoluminescence enhancement of ZnO nanowire arrays by atomic layer deposition of ZnO ₂ layers and thermal annealing. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 16377-16385.	1.3	15
2611	Characterization of ZnO Thin Films Prepared by Thermal Oxidation of Zn. <i>Journal of Electronic Materials</i> , 2016, 45, 3307-3313.	1.0	8
2612	Stable co-emission of UV, green and red light in ZnO thin films with rapid annealing treatment. <i>Optik</i> , 2016, 127, 5942-5949.	1.4	19
2613	Influence of Cu doping on structural, morphological, photoluminescence, and electrical properties of ZnO nanostructures synthesized by ice-bath assisted sonochemical method. <i>Journal of Alloys and Compounds</i> , 2016, 683, 399-411.	2.8	112
2614	Electrodeposition of Mg doped ZnO thin film for the window layer of CIGS solar cell. <i>Applied Surface Science</i> , 2016, 382, 217-224.	3.1	34
2615	Time dependent growth of ZnO nanoflowers with enhanced field emission properties. <i>Ceramics International</i> , 2016, 42, 13215-13222.	2.3	24
2616	Synthesis and characterization of Cu-doped ZnO nanorods chemically grown on flexible substrate. <i>Journal of Molecular Structure</i> , 2016, 1118, 157-160.	1.8	31
2617	Hydrothermally Synthesized Ultrathin Zinc Oxide Nanowires Based Field-Effect Transistors. <i>Thin Solid Films</i> , 2016, 618, 100-106.	0.8	13

#	ARTICLE	IF	CITATIONS
2618	Competing effects between intrinsic and extrinsic defects in pure and Mn-doped ZnO nanocrystals. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	0.8	47
2619	Salen decorated nanostructured ZnO chemosensor for the detection of mercuric ions (Hg ²⁺). <i>Sensors and Actuators B: Chemical</i> , 2016, 232, 712-721.	4.0	28
2620	Enhanced Photoelectrochemical Activity of ZnO-Coated TiO ₂ Nanotubes and Its Dependence on ZnO Coating Thickness. <i>Nanoscale Research Letters</i> , 2016, 11, 104.	3.1	35
2621	Effect of annealing temperature on the structural, optical and electrical properties of ZnO thin films grown chemically on PS substrate. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 6413-6418.	1.1	10
2622	Electrochemical Sensing, Photocatalytic and Biological Activities of ZnO Nanoparticles: Synthesis via Green Chemistry Route. <i>International Journal of Nanoscience</i> , 2016, 15, 1650013.	0.4	22
2623	Low switching-threshold-voltage zinc oxide nanowire array resistive random access memory. <i>Thin Solid Films</i> , 2016, 618, 90-94.	0.8	9
2624	Bio-inspired ZnO nanoparticles from <i>Ocimum tenuiflorum</i> and their in vitro antioxidant activity. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	33
2625	Influence of a Boron Precursor on the Growth and Optoelectronic Properties of Electrodeposited Zinc Oxide Thin Film. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12298-12306.	4.0	3
2626	High quantum yield ZnO quantum dots synthesizing via an ultrasonication microreactor method. <i>Ultrasonics Sonochemistry</i> , 2016, 33, 106-117.	3.8	51
2627	Role of deposition time on the properties of ZnO:Tb ³⁺ thin films prepared by pulsed laser deposition. <i>Journal of Colloid and Interface Science</i> , 2016, 474, 129-136.	5.0	16
2628	Aqueous-phase synthesis of single crystal ZnO nanobelts. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 36, 59-65.	2.9	12
2629	Facile in situ synthesis of dendrite-like ZnO/ZnTe core/shell nanorod heterostructures for sensitized solar cells. <i>Journal of Materials Chemistry C</i> , 2016, 4, 4740-4747.	2.7	24
2630	Magnetic gas sensing exploiting the magneto-optical Kerr effect on ZnO nanorods/Co layer system. <i>RSC Advances</i> , 2016, 6, 42517-42521.	1.7	17
2631	Vertically aligned ZnO nanorods of high crystalline and optical quality grown by dc reactive sputtering. <i>Materials Research Express</i> , 2016, 3, 095009.	0.8	6
2632	Formation and characterization of ZnO films on zinc substrate by plasma electrolytic oxidation. <i>Surface and Coatings Technology</i> , 2016, 307, 650-657.	2.2	38
2633	Multi-band luminescent ZnO/ZnSe core/shell nanorods and their temperature-dependent photoluminescence. <i>RSC Advances</i> , 2016, 6, 98413-98421.	1.7	11
2634	Enhancing Quantum Dot LED Efficiency by Tuning Electron Mobility in the ZnO Electron Transport Layer. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600868.	1.9	83
2635	Microstructure investigation, optical properties and magnetic phase transition of Tm ³⁺ substituted nanocrystalline ZnO (Zn _{0.95} Tm _{0.05} O). <i>RSC Advances</i> , 2016, 6, 101818-101826.	1.7	13

#	ARTICLE	IF	CITATIONS
2636	Probing high temperature ferromagnetism and its paramagnetic phase change due to Eu ³⁺ incorporation in ZnO nanophosphors. RSC Advances, 2016, 6, 75669-75680.	1.7	3
2637	ZnO hollow nano-baskets for mineralization of cationic dye. Materials Letters, 2016, 183, 329-333.	1.3	13
2638	Effect of annealing on the spectral and optical characteristics of nano ZnO: Evaluation of adsorption of toxic metal ions from industrial waste water. Ecotoxicology and Environmental Safety, 2016, 133, 457-465.	2.9	9
2639	Tunable Emission Phosphor Ca _{0.75} Sr _{0.2} Mg _{1.05} (Si ₂ O ₆):Eu ²⁺ , Mn ²⁺ : Luminescence and Mechanism of Host, Energy Transfer of Eu ²⁺ → Mn ²⁺ , Eu ²⁺ → Host, and Host → Mn ²⁺ . Journal of Physical Chemistry C, 2016, 120, 20254-20266.	1.5	45
2640	Effect of Ce doping on the optoelectronic and sensing properties of electrospun ZnO nanofibers. RSC Advances, 2016, 6, 85727-85734.	1.7	20
2641	Energy transfer and dissipation processes studied using photoluminescence of Eu ³⁺ ions doped in epitaxial ZnO films. Thin Solid Films, 2016, 616, 204-212.	0.8	8
2642	Investigations on the influence of substrate temperature in developing enhanced response ZnO nano generators on flexible polyimide using spray pyrolysis technique. Materials Research Bulletin, 2016, 84, 340-345.	2.7	12
2643	Seed/Catalyst Free Growth and Self-Powered Photoresponse of Vertically Aligned ZnO Nanorods on Reduced Graphene Oxide Nanosheets. Crystal Growth and Design, 2016, 16, 4831-4838.	1.4	29
2644	A facile solution synthesis of ZnO nanoplates on Al substrate at room temperature. Materials Letters, 2016, 185, 161-164.	1.3	13
2645	Applied light-side coupling with optimized spiral-patterned zinc oxide nanorod coatings for multiple optical channel alcohol vapor sensing. Journal of Nanophotonics, 2016, 10, 036009.	0.4	12
2646	Facile glycothermal synthesis of ZnO nanopowder at low temperature. Ceramics International, 2016, 42, 17565-17570.	2.3	9
2647	Nanostructured ZnO thin film with improved optical and electrochemical properties prepared by hydrothermal electrochemical deposition technique. Micro and Nano Letters, 2016, 11, 351-355.	0.6	12
2648	Green, Nonchemical Route for the Synthesis of ZnO Superstructures, Evaluation of Its Applications toward Photocatalysis, Photoluminescence, and Biosensing. Crystal Growth and Design, 2016, 16, 6828-6840.	1.4	93
2649	Quadrangular ZnO:Cu nanocombs: mechanism and optical properties. Journal of Materials Science: Materials in Electronics, 2016, 27, 11879-11884.	1.1	1
2650	Optical and electrical properties of ZnO nanocrystal thin films passivated by atomic layer deposited Al ₂ O ₃ . Metals and Materials International, 2016, 22, 723-729.	1.8	8
2651	Formation of nanoparticles containing zinc in Si(001) by ion-beam implantation and subsequent annealing. Journal of Surface Investigation, 2016, 10, 597-602.	0.1	3
2652	Interfacial Contact Effects in Top Gated Zinc Oxide Thin Film Transistors Grown by Atomic Layer Deposition. IEEE Transactions on Electron Devices, 2016, 63, 3540-3546.	1.6	11
2653	Synthesis and Study of Optical properties of MgO based TM oxide (TM=Cu, Mn and Zn) nanocomposites. Materials Research Express, 2016, 3, 115017.	0.8	1

#	ARTICLE	IF	CITATIONS
2654	Synthesis, characterization and application of luminescent silica nanomaterials. <i>Journal of Materials Chemistry C</i> , 2016, 4, 11190-11197.	2.7	7
2655	Structure, electronic and photoluminescence study of Si doped ZnO nano-particles. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 149, 012186.	0.3	3
2656	Carbon dots in ZnO macroporous films with controlled photoluminescence through defects engineering. <i>RSC Advances</i> , 2016, 6, 55393-55400.	1.7	15
2657	Bright green emission and temperature dependent localized bound exciton transitions from undoped ZnO films. <i>Ceramics International</i> , 2016, 42, 13819-13823.	2.3	12
2658	Rapid synthesis of blue emitting ZnO nanoparticles for fluorescent applications. <i>Physica B: Condensed Matter</i> , 2016, 497, 71-77.	1.3	13
2659	Enhanced electrical properties and field emission characteristics of AZO/ZnO-nanowire core-shell structures. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 15251-15259.	1.3	10
2660	Preparation of controlled ZnO nanostructures and their optical properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 7227-7232.	1.1	2
2661	Sensitive measurement of nonlinear absorption and optical limiting in undoped and Fe-doped ZnO quantum dots using pulsed laser. <i>Indian Journal of Physics</i> , 2016, 90, 1293-1298.	0.9	4
2662	Photoelectrochemical water splitting strongly enhanced in fast-grown ZnO nanotree and nanocluster structures. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10203-10211.	5.2	67
2663	Effect of Ce doping on the structural, optical and magnetic properties of ZnO nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 10330-10335.	1.1	46
2664	Strong blue emission from ZnO nanocrystals synthesized in acetone-based solvent. <i>Journal of Luminescence</i> , 2016, 178, 384-387.	1.5	21
2665	Intrinsic ferromagnetism in Sm doped ZnO. <i>Materials Research Bulletin</i> , 2016, 83, 408-413.	2.7	26
2666	Holmium acetylacetonate, a compatibilizer between ZnO quantum dots and epoxy resin. <i>Optical Materials Express</i> , 2016, 6, 1757.	1.6	1
2667	Overcoming Electrode-induced Losses in Organic Solar Cells by Tailoring a Quasi-Ohmic Contact to Fullerenes via Solution-Processed Alkali Hydroxide Layers. <i>Advanced Energy Materials</i> , 2016, 6, 1502195.	10.2	29
2668	Controlling the exciton energy of zinc oxide (ZnO) quantum dots by changing the confinement conditions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 152, 637-644.	2.0	96
2669	Synthesis, characterization and antibacterial efficiency of ZnO nanoparticles using rice as soft bio-template. <i>Optik</i> , 2016, 127, 4281-4286.	1.4	29
2670	Vapour phase nucleation of ZnO nanowires on GaN: growth habit, interface study and optical properties. <i>RSC Advances</i> , 2016, 6, 15087-15093.	1.7	6
2672	Rectifying properties of ZnO thin films deposited on FTO by electrodeposition technique. <i>Applied Surface Science</i> , 2016, 366, 348-352.	3.1	22

#	ARTICLE	IF	CITATIONS
2673	Enhancing photocatalytic activity of ZnO nanowires by embedding ITO layer as a photogenerated electron collecting layer. <i>Materials Science in Semiconductor Processing</i> , 2016, 43, 155-162.	1.9	13
2674	Stress relaxation and transitions in optical bandgap of yttrium doped zinc oxide (YZO) thin films. <i>Current Applied Physics</i> , 2016, 16, 231-239.	1.1	40
2675	ZnO/Ag heterostructures embedded in Fe ₃ O ₄ nanoparticles for magnetically recoverable photocatalysis. <i>Journal of Alloys and Compounds</i> , 2016, 665, 404-410.	2.8	97
2676	Synthesis and characterization of TiO ₂ nanoparticles by microwave method and investigation its photovoltaic property. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 862-866.	1.1	6
2677	Ultrafast photoinduced carrier dynamics at ZnO nanohybrid interfaces for light-harvesting applications. <i>Nanotechnology Reviews</i> , 2016, 5, .	2.6	19
2678	Analysis of defect luminescence in Ga-doped ZnO nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 9586-9593.	1.3	31
2679	Who make transparent ZnO colorful? " Ion implantation and thermal annealing effects. <i>Superlattices and Microstructures</i> , 2016, 99, 208-213.	1.4	6
2680	Synthesis and characterization of Pb-doped ZnO nanoparticles and their photocatalytic applications. <i>Materials Research Innovations</i> , 2016, 20, 121-127.	1.0	24
2681	Copper and Graphene activated ZnO nanopowders for enhanced photocatalytic and antibacterial activities. <i>Journal of Physics and Chemistry of Solids</i> , 2016, 93, 82-90.	1.9	73
2682	How Annealing and Charge Scavengers Affect Visible Emission from ZnO Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2016, 120, 5108-5113.	1.5	5
2683	Sandwiched assembly of ZnO nanowires between graphene layers for a self-powered and fast responsive ultraviolet photodetector. <i>Nanotechnology</i> , 2016, 27, 095205.	1.3	85
2684	Room temperature ferromagnetism of tin oxide nanocrystal based on synthesis methods. <i>Physica B: Condensed Matter</i> , 2016, 487, 47-52.	1.3	5
2685	Structural characterization and magnetic properties of Co co-doped Ni/ZnO nanoparticles. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	55
2686	Synthesis, characterization and tuning of visible region absorption ability of cadmium doped ceria quantum dots. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 4723-4735.	1.1	12
2687	A facile salicylic acid assisted hydrothermal synthesis of different flower-like ZnO hierarchical architectures with optical and concentration-dependent photocatalytic properties. <i>Materials Characterization</i> , 2016, 114, 185-196.	1.9	32
2688	Antibacterial and Photocatalytic Activities of ZnO Nanoparticles: Synthesized Using Water Melon Juice as Fuel. <i>International Journal of Nanoscience</i> , 2016, 15, 1650006.	0.4	11
2689	Structural, optical and photoconductivity characteristics of pristine FeO·Fe ₂ O ₃ and NTPi " FeO·Fe ₂ O ₃ nanocomposite: aggregation induced emission enhancement of fluorescent organic nanoprobe of thiophene appended phenanthrimidazole derivative. <i>RSC Advances</i> , 2016, 6, 18718-18736.	1.7	8
2690	Synthesis, structural and optical properties of nanoparticles (Al, V) co-doped zinc oxide. <i>Bulletin of Materials Science</i> , 2016, 39, 7-12.	0.8	10

#	ARTICLE	IF	CITATIONS
2691	The effect of induced strains on photoluminescence properties of ZnO nanostructures grown by thermal evaporation method. <i>Modern Physics Letters B</i> , 2016, 30, 1650081.	1.0	3
2692	Enhanced visible light photocatalytic performance of ZnO nanowires integrated with CdS and Ag ₂ S. <i>Dalton Transactions</i> , 2016, 45, 3750-3758.	1.6	88
2693	Two-step synthesis of highly emissive C/ZnO hybridized quantum dots with a broad visible photoluminescence. <i>Applied Surface Science</i> , 2016, 364, 710-717.	3.1	22
2694	Preparation of colloidal solution of silica encapsulating cyanobiphenyl unit-capped ZnO QD emitting in the blue region. <i>Dalton Transactions</i> , 2016, 45, 886-890.	1.6	3
2695	Structural and optical properties of nanocrystalline mayenite Ca ₁₂ Al ₁₄ O ₃₃ powders synthesized using a novel route. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 2614-2623.	1.1	26
2696	Synthesis and photoluminescence characterizations of the Er ³⁺ -doped ZnO nanosheets with irregular porous microstructure. <i>Materials Science in Semiconductor Processing</i> , 2016, 41, 32-37.	1.9	20
2697	Facile fabrication of core-shell ZnO/Bi _{0.5} Sb _{1.5} Te ₃ nanorods: Enhanced photoluminescence through electron charge. <i>Applied Surface Science</i> , 2016, 361, 95-101.	3.1	6
2698	Bright and ultra-fast scintillation from a semiconductor?. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 805, 36-40.	0.7	37
2699	Structural and optical properties of Zn-doped SnO ₂ films prepared by DC and RF magnetron co-sputtering. <i>Superlattices and Microstructures</i> , 2016, 89, 34-42.	1.4	39
2700	Defect-induced structural and ferromagnetic properties of hydrogenated Mn-doped ZnO film. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 697-704.	1.1	2
2701	F-Center-Mediated Ferromagnetic Ordering in K-Doped ZnO. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016, 29, 245-251.	0.8	8
2702	Synthesis of Mg-doped hierarchical ZnO nanostructures via hydrothermal method and their optical properties. <i>Journal of Alloys and Compounds</i> , 2016, 657, 261-267.	2.8	33
2703	Synthesis and characterization of zinc oxide nanostructures by green capping agent and its photocatalytic degradation of methylene blue (MB). <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 1708-1712.	1.1	18
2704	NIR luminescence from erbium doped (100 ⁿ x)SiO ₂ : x ZnO powders obtained by soft chemical synthesis. <i>Journal of Luminescence</i> , 2016, 170, 663-670.	1.5	3
2705	Synthesis and Use of Low-Band-Gap ZnO Nanoparticles for Water Treatment. <i>Arabian Journal for Science and Engineering</i> , 2016, 41, 2393-2398.	1.1	37
2706	Induction of zinc particles on the morphology and photoluminescent property of globular Zn/ZnO core/shell nanorod heterojunction array architectures. <i>Journal of Experimental Nanoscience</i> , 2016, 11, 383-394.	1.3	4
2707	ZnO single crystal microtubes: Synthesis, growth mechanism, and geometric structure using direct microwave irradiation. <i>Ceramics International</i> , 2016, 42, 828-833.	2.3	7
2708	UV and visible photoluminescence emission intensity of undoped and In-doped ZnO thin film and photoresponsivity of ZnO:In/Si hetero-junction. <i>Thin Solid Films</i> , 2016, 605, 89-94.	0.8	16

#	ARTICLE	IF	CITATIONS
2709	Facile green fabrication of nanostructure ZnO plates, bullets, flower, prismatic tip, closed pine cone: Their antibacterial, antioxidant, photoluminescent and photocatalytic properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 152, 404-416.	2.0	182
2710	Ultraviolet electroluminescence properties from devices based on n-ZnO/i-NiO/p-Si light-emitting diode. <i>Optics Communications</i> , 2017, 395, 94-97.	1.0	16
2711	Optical and thermomechanical behavior of benzoxazine functionalized ZnO reinforced polybenzoxazine nanocomposites. <i>Polymer Composites</i> , 2017, 38, 1881-1889.	2.3	18
2712	The influence of vacuum and annealing on the visible luminescence in ZnO nanoparticles. <i>Journal of Luminescence</i> , 2017, 185, 212-218.	1.5	16
2713	Hybridization of Zinc Oxide Tetrapods for Selective Gas Sensing Applications. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 4084-4099.	4.0	135
2714	Study on photocatalyst Zinc Oxide annealed at different temperatures for photodegradation of Eosin Y dye. <i>Journal of Alloys and Compounds</i> , 2017, 695, 270-279.	2.8	37
2715	Vacancy relaxation in cuprous oxide (Cu ₂ O). <i>Journal of Luminescence</i> , 2017, 183, 281-290.	1.5	14
2716	Fabrication and composition control of porous ZnO-TiO ₂ binary oxide thin films via a sparking method. <i>Optik</i> , 2017, 133, 114-121.	1.4	12
2717	Lyotropic liquid crystal based on zinc oxide nanoparticles obtained by microwave solvothermal synthesis. <i>Materials Chemistry and Physics</i> , 2017, 192, 383-391.	2.0	6
2718	Effect of Mn-doping on the structural, optical, and magnetic properties of ZnO nanoparticles by chemical method. <i>Materials Research Express</i> , 2017, 4, 025017.	0.8	4
2719	Oxygen defects-mediated Z-scheme charge separation in g-C ₃ N ₄ /ZnO photocatalysts for enhanced visible-light degradation of 4-chlorophenol and hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2017, 206, 406-416.	10.8	333
2720	Band gap tuning and defects suppression upon Mg doping in electrospun ZnO nanowires. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 6488-6492.	1.1	2
2721	Structural, optical and transport studies of nanocomposite SnO ₂ thin films grown by DC sputter deposition and post-annealing. <i>Materials Research Express</i> , 2017, 4, 026403.	0.8	1
2722	Efficient Organic Photovoltaics with Improved Charge Extraction and High Short-Circuit Current. <i>Journal of Physical Chemistry C</i> , 2017, 121, 5523-5530.	1.5	26
2723	Role of growth conditions on optical and electrical properties of fiber structured Zn _{0.90} Cd _{0.10} thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 7489-7500.	1.1	1
2724	Spin canting and magnetism in nano-crystalline Zn _{1-x} Al _x O. <i>Journal of Alloys and Compounds</i> , 2017, 704, 237-244.	2.8	6
2725	Combined FDTD-Monte Carlo analysis and a novel design for ZnO scintillator rods in polycarbonate membrane for X-ray imaging. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017, 853, 78-84.	0.7	2
2726	Rapid Synthesis and Characterization of Zinc Oxide Nanoparticles with Albumen as Photodegradation of Congo Red Under Microwave Irradiation. <i>Journal of Cluster Science</i> , 2017, 28, 1637-1646.	1.7	6

#	ARTICLE	IF	CITATIONS
2727	Effect of Annealing on the Thermoluminescence Properties of ZnO Nanophosphor. Journal of Electronic Materials, 2017, 46, 4287-4293.	1.0	5
2728	Energy conversion modeling of the intrinsic persistent luminescence of solids via energy transfer paths between transition levels. Physical Chemistry Chemical Physics, 2017, 19, 9457-9469.	1.3	8
2729	Thermal-frequency dependence study of the sub-band localized states effect in Sb-doped SnO ₂ based sol-gel thin films. Thin Solid Films, 2017, 632, 66-72.	0.8	33
2730	Different valence Sn doping "A simple way to detect oxygen concentration variation of ZnO quantum dots synthesized under ultrasonic irradiation. Ultrasonics Sonochemistry, 2017, 38, 29-37.	3.8	7
2731	Excitation Dependent Phosphorous Property and New Model of the Structured Green Luminescence in ZnO. Scientific Reports, 2017, 7, 41460.	1.6	22
2732	W ion implantation boosting visible-light photoelectrochemical water splitting over ZnO nanorod arrays. Journal of Photonics for Energy, 2017, 7, 016501.	0.8	5
2733	Synthesis of S-doped hierarchical ZnO nanostructures via hydrothermal method and their optical properties. Journal of Materials Science: Materials in Electronics, 2017, 28, 1785-1792.	1.1	11
2734	Nanopore diameter-dependent properties of thin three-dimensional ZnO layers deposited onto nanoporous silicon substrates. Ceramics International, 2017, 43, 5173-5181.	2.3	3
2735	ZnO:Cu nanorods with visible luminescence: copper induced defect levels and its luminescence dynamics. Materials Research Express, 2017, 4, 025002.	0.8	34
2736	Crystalline polarity of ZnO thin films deposited under dc external bias on various substrates. Journal of Crystal Growth, 2017, 463, 38-45.	0.7	6
2737	Structural, optical and magnetic properties of SnO ₂ quantum dot. Journal of Materials Science: Materials in Electronics, 2017, 28, 7713-7723.	1.1	4
2738	Analytical model of photon reabsorption in ZnO quantum dots with size and concentration dependent dual-color photoluminescence. Journal of Applied Physics, 2017, 121, .	1.1	10
2739	Adjusting the band structure and defects of ZnO quantum dots via tin doping. RSC Advances, 2017, 7, 11345-11354.	1.7	35
2740	Green synthesis of ZnO and Mg doped ZnO nanoparticles, and its optical properties. Journal of Materials Science: Materials in Electronics, 2017, 28, 7677-7685.	1.1	63
2741	Morphological, structural and optical properties of ZnO thin solid films formed by nanoleafs or micron/submicron cauliflowers. Journal of Luminescence, 2017, 185, 306-315.	1.5	5
2742	High photocatalytic efficiency and stability of chromium-indium codoped ZnO thin films under sunlight irradiation for water purification development purposes. Current Applied Physics, 2017, 17, 1058-1065.	1.1	28
2743	Near white light emission and enhanced photocatalytic activity by tweaking surface defects of coaxial ZnO@ZnS core-shell nanorods. Journal of Applied Physics, 2017, 121, .	1.1	14
2744	Structure and morphology of magnetron sputter deposited ultrathin ZnO films on confined polymeric template. Applied Surface Science, 2017, 414, 114-123.	3.1	18

#	ARTICLE	IF	CITATIONS
2745	Ferromagnetic behavior of non-stoichiometric ZnS microspheres with a nanoplate-netted surface. RSC Advances, 2017, 7, 20874-20881.	1.7	32
2746	Extremely sensitive and selective sub-ppm CO detection by the synergistic effect of Au nanoparticles and core-shell nanowires. Sensors and Actuators B: Chemical, 2017, 249, 177-188.	4.0	63
2747	Enhancement in red emission at room temperature from europium doped ZnO nanowires by 1,10 phenanthroline-europium interface induced resonant excitations. AIP Advances, 2017, 7, .	0.6	13
2748	Interfacial charge-transfer process in nanosemiconductor- N -benzylpiperidine phenanthroimidazole (BDPI)-metal heterostructure: A combined experimental and theoretical studies of BDPI-(FeO) n composites. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 342, 59-77.	2.0	4
2749	Investigation of the thermal photocarrier interaction recombination in ZnO nanostructures fabricated by the hydrothermal method. Journal of Luminescence, 2017, 190, 136-140.	1.5	5
2750	Structural, Optical and Ethanol Gas Sensing Performance of Aluminium Doped Zinc Oxide (AZO) Thin Films by Nebulizer Spray Technique. Springer Proceedings in Physics, 2017, , 351-365.	0.1	0
2751	Investigation of microstructure, electrical and photoluminescence behaviour of Ni-doped Zn 0.96 Mn 0.04 O nanoparticles: Effect of Ni concentration. Optical Materials, 2017, 69, 382-391.	1.7	12
2752	Recent progress of the native defects and p-type doping of zinc oxide. Chinese Physics B, 2017, 26, 047702.	0.7	51
2753	Defect specific luminescence dead layers in CdS and CdSe. Canadian Journal of Chemistry, 2017, 95, 1141-1145.	0.6	2
2754	Optical damage assessment and recovery investigation of hydrogen-ion and deuterium-ion plasma-irradiated bulk ZnO single crystals. Journal of Applied Physics, 2017, 121, .	1.1	7
2755	Mechanochemically induced sulfur doping in ZnO via oxygen vacancy formation. Physical Chemistry Chemical Physics, 2017, 19, 13838-13845.	1.3	21
2756	Magnetic, optical and structural characterization of ZnO:Co; ZnO:Fe thin films. AIP Conference Proceedings, 2017, , .	0.3	1
2757	Effect of replacing Sn ⁴⁺ ions by Zn ²⁺ ions on structural, optical and magnetic properties of SnO ₂ nanoparticles. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	12
2758	Nearly white light photoluminescence from ZnO/rGO nanocomposite prepared by a one-step hydrothermal method. Journal of Alloys and Compounds, 2017, 715, 122-128.	2.8	30
2759	Tuning optical, electrical and magnetic properties of fiber structured ZnO film by deposition temperature and precursor concentration. Materials Science in Semiconductor Processing, 2017, 68, 97-107.	1.9	18
2760	Effect of reaction temperature and reaction time on the sizes and defects of Sn doped ZnO quantum dots synthesized under ultrasonic irradiation. Journal of Materials Science: Materials in Electronics, 2017, 28, 12803-12815.	1.1	2
2761	Significantly enhanced photocatalytic performance of zinc oxide via bismuth oxybromide hybridization and the mechanism study. Journal of the Iranian Chemical Society, 2017, 14, 2055-2066.	1.2	5
2762	Effect of Mn doping on structural, optical and magnetic properties of SnO ₂ nanoparticles by solvothermal processing. Journal of Materials Science: Materials in Electronics, 2017, 28, 15021-15032.	1.1	10

#	ARTICLE	IF	CITATIONS
2763	Robust electron transport properties of PANI/PPY/ZnO polymeric nanocomposites for OLED applications. <i>Optik</i> , 2017, 144, 40-48.	1.4	48
2764	Influence of CTAB assisted capping on the structural and optical properties of ZnO nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 13787-13796.	1.1	15
2765	Voltammetric Sensor Based on Fe-doped ZnO and TiO ₂ Nanostructures-modified Carbon-paste Electrode for Determination of Levodopa. <i>Journal of Electronic Materials</i> , 2017, 46, 5657-5663.	1.0	8
2766	ZnO nanoparticles as polymerisation photo-initiator: Levulinic acid/NaOH content variation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 532, 189-194.	2.3	16
2767	Sonochemically generated cerium doped ZnO nanorods for highly efficient photocatalytic dye degradation. <i>Powder Technology</i> , 2017, 318, 120-127.	2.1	57
2768	Vitis labruska skin extract assisted green synthesis of ZnO super structures for multifunctional applications. <i>Ceramics International</i> , 2017, 43, 11656-11667.	2.3	72
2769	High resolution X-ray diffraction studies of epitaxial ZnO nanorods grown by reactive sputtering. <i>Journal of Applied Physics</i> , 2017, 121, .	1.1	6
2770	Solar-irradiation photodetectors based on ZnO nanoparticles with gold and indium electrodes. <i>Optik</i> , 2017, 142, 61-67.	1.4	4
2771	In vitro antioxidant and antidiabetic activities of zinc oxide nanoparticles synthesized using different plant extracts. <i>Bioprocess and Biosystems Engineering</i> , 2017, 40, 943-957.	1.7	133
2772	Surface treatment effect on the photocatalytic hydrogen generation of CdS/ZnS core-shell microstructures. <i>Chinese Journal of Catalysis</i> , 2017, 38, 489-497.	6.9	31
2773	Precursor dependent tailoring of morphology and bandgap of zinc oxide nanostructures. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 10885-10892.	1.1	17
2774	Free-Standing Atomically Thin ZnO Layers via Oxidation of Zinc Chalcogenide Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 13537-13543.	4.0	21
2775	The photoluminescence response to structural changes of Yb implanted ZnO crystals subjected to non-equilibrium processing. <i>Journal of Applied Physics</i> , 2017, 121, .	1.1	23
2776	Interface-defect-mediated photocatalysis of mesocrystalline ZnO assembly synthesized in-situ via a template-free hydrothermal approach. <i>Applied Surface Science</i> , 2017, 412, 517-528.	3.1	34
2777	Efficiency enhancement of ZnO nanostructure assisted Si solar cell based on fill factor enlargement and UV-blue spectral down-shifting. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 185501.	1.3	31
2778	Disinfection of Multidrug Resistant Escherichia coli by Solar-Photocatalysis using Fe-doped ZnO Nanoparticles. <i>Scientific Reports</i> , 2017, 7, 104.	1.6	65
2779	Relationship between ferromagnetism and, structure and morphology in un-doped ZnO and Fe-doped ZnO powders prepared by hydrothermal route. <i>Current Applied Physics</i> , 2017, 17, 1127-1135.	1.1	24
2780	Effect of pH on the properties of electrochemically prepared ZnO thin films. <i>Materials Science in Semiconductor Processing</i> , 2017, 60, 5-15.	1.9	20

#	ARTICLE	IF	CITATIONS
2781	Origin of polychromatic emission and defect distribution within annealed ZnO nanoparticles. <i>Materials Research Bulletin</i> , 2017, 88, 156-165.	2.7	16
2782	Size-controllable growth of ZnO nanorods on Si substrate. <i>Superlattices and Microstructures</i> , 2017, 101, 469-479.	1.4	12
2783	Enhanced Bioactivity of Ag/ZnO Nanorods-A Comparative Antibacterial Study (Sbds). <i>Journal of Nanomedicine & Nanotechnology</i> , 2017, 04, .	1.1	14
2784	Simple but Effective Way To Enhance Photoelectrochemical Solar-Water-Splitting Performance of ZnO Nanorod Arrays: Charge-Trapping Zn(OH) ₂ Annihilation and Oxygen Vacancy Generation by Vacuum Annealing. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 2317-2325.	4.0	100
2785	Photoluminescence on cerium-doped ZnO nanorods produced under sequential atomic layer deposition-hydrothermal processes. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	16
2786	Synthesis and properties of ZnO-HMD@ZnO-Fe/Cu core-shell as advanced material for hydrogen storage. <i>Journal of Colloid and Interface Science</i> , 2017, 491, 89-97.	5.0	16
2787	Morphologies, field-emission and ultrafast nonlinear optical behavior of pure and Ag-doped ZnO nanostructures. <i>Journal of Alloys and Compounds</i> , 2017, 698, 284-290.	2.8	21
2788	Sensitized ZnO nanorod assemblies to detect heavy metal contaminated phytomedicines: spectroscopic and simulation studies. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 2503-2513.	1.3	26
2789	Interfacial Charge Transfer between Zinc Oxide Nanoparticles and Methyl Viologen: Influence of Size. <i>ChemistrySelect</i> , 2017, 2, 9869-9877.	0.7	7
2790	Effect of Eu Doping on the Physical, Photoluminescence, and Photocatalytic Characteristics of ZnO Thin Films Grown by Sol-Gel Method. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1700229.	0.8	14
2791	Synthetic Method Dependent Physicochemical Properties and Electrochemical Performance of Ni-Doped ZnO. <i>ChemistrySelect</i> , 2017, 2, 9014-9023.	0.7	11
2792	The electron transport that occurs within wurtzite zinc oxide and the application of stress. <i>MRS Advances</i> , 2017, 2, 2627-2632.	0.5	1
2793	Dual Wavelength (Ultraviolet and Green) Photodetectors Using Solution Processed Zinc Oxide Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 36971-36979.	4.0	13
2794	Role of vacancy defects in Al doped ZnO thin films for optoelectronic devices. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 485106.	1.3	50
2795	Tunable Fluorescence Properties Due to Carbon Incorporation in Zinc Oxide Nanowires. <i>Advanced Optical Materials</i> , 2017, 5, 1700381.	3.6	10
2796	Strong metal-support interactions between Ni and ZnO particles and their effect on the methanation performance of Ni/ZnO. <i>Catalysis Science and Technology</i> , 2017, 7, 4413-4421.	2.1	74
2797	Zn-doped SnO ₂ nanostructures: structural, morphological and spectroscopic properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 18849-18856.	1.1	31
2798	Synergistic effects of Mg and F doping on the photocatalytic efficiency of ZnO nanoparticles towards MB and MG dye degradation. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 18228-18235.	1.1	13

#	ARTICLE	IF	CITATIONS
2799	Indium-doped ZnO nanorods grown on Si (1â€‰%1â€‰%) using a hybrid ALD-solvothermal method. <i>Materials Research Express</i> , 2017, 4, 075032.	0.8	4
2800	First-principles characterization of native-defect-related optical transitions in ZnO. <i>Journal of Applied Physics</i> , 2017, 122, .	1.1	88
2801	Preparation and luminescence of a new violet blue phosphor derived from proton-type zirconium phosphate. <i>Journal of Materials Research and Technology</i> , 2017, 6, 297-301.	2.6	2
2802	Magnetic and antibacterial properties of Zr-doped SnO ₂ nanopowders. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 15056-15064.	1.1	23
2803	Deep donor state of the copper acceptor as a source of green luminescence in ZnO. <i>Applied Physics Letters</i> , 2017, 111, 042101.	1.5	26
2804	Strong visible and near infrared photoluminescence from ZnO nanorods/nanowires grown on single layer graphene studied using sub-band gap excitation. <i>Journal of Applied Physics</i> , 2017, 122, .	1.1	63
2805	Continuous Hydrothermal Synthesis of Inorganic Nanoparticles: Applications and Future Directions. <i>Chemical Reviews</i> , 2017, 117, 11125-11238.	23.0	382
2806	Role of silver doping on the defects related photoluminescence and antibacterial behaviour of zinc oxide nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 159, 191-199.	2.5	58
2807	High photocatalytic property and crystal growth of spindle-like ZnO microparticles synthesized by one-step hydrothermal method. <i>Vacuum</i> , 2017, 144, 229-236.	1.6	22
2808	A GaN HFET sensor for respiration monitoring. , 2017, , .		0
2809	Ag-doped ZnO Reinforced Polymeric Ag:ZnO/PMMA Nanocomposites as Electron Transporting Layer for OLED Application. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2017, 27, 1760-1769.	1.9	23
2810	Crystal Plane Effect of ZnO on the Catalytic Activity of Gold Nanoparticles for the Acetylene Hydrogenation Reaction. <i>Journal of Physical Chemistry C</i> , 2017, 121, 19727-19734.	1.5	17
2811	Facile synthesis of bulk SnO ₂ and ZnO tetrapod based graphene nanocomposites for optical and sensing application. <i>Materials Chemistry and Physics</i> , 2017, 201, 372-383.	2.0	10
2812	Structural and optical studies of Pr implanted ZnO films subjected to a long-time or ultra-fast thermal annealing. <i>Thin Solid Films</i> , 2017, 643, 24-30.	0.8	11
2813	Solution processed ZnO homogeneous quasisuperlattice materials. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2017, 35, 061517.	0.9	3
2814	Preparation of ZnO-supported 13X zeolite particles and their antimicrobial mechanism. <i>Journal of Materials Research</i> , 2017, 32, 4232-4240.	1.2	5
2815	Visible and UV photo-detection in ZnO nanostructured thin films via simple tuning of solution method. <i>Scientific Reports</i> , 2017, 7, 15032.	1.6	265
2816	The p-type ZnO thin films obtained by a reversed substitution doping method of thermal oxidation of Zn ₃ N ₂ precursors. <i>Chinese Physics B</i> , 2017, 26, 117101.	0.7	7

#	ARTICLE	IF	CITATIONS
2817	Strong red emission and catalytic properties of ZnO by adding Eu ₂ O ₃ shell. <i>Journal of Alloys and Compounds</i> , 2017, 724, 537-542.	2.8	18
2818	Band gap bowing of nanocrystalline Zn (1-x) Ca x O thin films for blue and ultraviolet optoelectronic applications. <i>Solid State Sciences</i> , 2017, 71, 42-50.	1.5	13
2819	Morphology dependent UV photoresponse of Sn-doped ZnO microstructures. <i>Solid State Sciences</i> , 2017, 71, 75-86.	1.5	32
2820	Luminescence and spectroscopic investigations on Gd ³⁺ doped ZnO nanophosphor. <i>Journal of Asian Ceramic Societies</i> , 2017, 5, 350-356.	1.0	58
2821	Defects control in the synthesis of low-dimensional zinc oxide. <i>Chemical Physics Letters</i> , 2017, 684, 113-116.	1.2	5
2822	Variation of crystal structure and defect luminescence in Ca _{3-x} Sr _x Al ₂ O ₆ phosphors. <i>Ceramics International</i> , 2017, 43, 10967-10974.	2.3	5
2823	Effects of Al doping on the responsivity of solar irradiation of devices that use ZnO nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 10205-10211.	1.1	5
2824	Unusual application of aluminium-doped ZnO thin film developed by metalorganic chemical vapour deposition for surface temperature sensor. <i>Thin Solid Films</i> , 2017, 636, 532-536.	0.8	19
2825	Fast-response photoconductive ultraviolet light detectors fabricated using high-quality ZnO films obtained by plasma-assisted molecular beam epitaxy. <i>Ceramics International</i> , 2017, 43, 11981-11985.	2.3	11
2826	Chemical vapor deposition-based growth of aligned ZnO nanowires on polycrystalline Zn ₂ GeO ₄ :Mn substrates. <i>Journal of Materials Science</i> , 2017, 52, 9324-9334.	1.7	13
2827	Structure, chemical bonding states, and optical properties of the hetero-structured ZnO/CuO prepared by using the hydrothermal and the electrospinning methods. <i>Physica B: Condensed Matter</i> , 2017, 504, 103-108.	1.3	11
2828	Band bending effect induced non-enzymatic highly sensitive glucose sensing in ZnO nanoparticles. <i>Journal of Luminescence</i> , 2017, 183, 1-6.	1.5	8
2829	Effect of Gd doping on the structural, optical band-gap, dielectric and magnetic properties of ZnO nanoparticles. <i>Physica B: Condensed Matter</i> , 2017, 506, 145-151.	1.3	45
2830	Visible light driven mesoporous Ag-embedded ZnO nanocomposites: reactive oxygen species enhanced photocatalysis, bacterial inhibition and photodynamic therapy. <i>Dalton Transactions</i> , 2017, 46, 685-696.	1.6	80
2831	Tuning of energy gap and photoluminescence behaviour of Zn _{0.96} Ni _{0.04} O nanostructure by Cr substitution. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 3098-3107.	1.1	2
2832	Acid-free co-operative self-assembly of graphene-ZnO nanocomposites and its defect mediated visible light photocatalytic activities. <i>Physica B: Condensed Matter</i> , 2017, 506, 32-41.	1.3	7
2833	Influence of annealing on microstructure and properties of Cr-doped ZnO thin films deposited on glass surface. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 3812-3818.	1.1	3
2834	Synthesis and characterization of a new organotin(IV) complex as a new precursor for preparation SnO ₂ nanoparticles. <i>Inorganic and Nano-Metal Chemistry</i> , 2017, 47, 332-339.	0.9	2

#	ARTICLE	IF	CITATIONS
2835	The effect of the preparation procedure on the morphology, texture and photocatalytic properties of ZnO. <i>Materials Research Bulletin</i> , 2017, 85, 35-46.	2.7	30
2836	Structural, optical and photoconductivity study of ZnO nanoparticles synthesized by annealing of ZnS nanoparticles. <i>Journal of Alloys and Compounds</i> , 2017, 691, 275-286.	2.8	39
2837	Room-temperature single-photon emission from zinc oxide nanoparticle defects and their <i>in vitro</i> photostable intrinsic fluorescence. <i>Nanophotonics</i> , 2017, 6, 269-278.	2.9	18
2838	Defect engineered visible light active ZnO nanorods for photocatalytic treatment of water. <i>Catalysis Today</i> , 2017, 284, 11-18.	2.2	102
2839	Dazzling red emission from TiO ₂ nanoparticles impregnated co-doped Gd ³⁺ +Eu ³⁺ : PVA polymer nanocomposites for photonic applications. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 45, 349-359.	2.9	12
2840	Effects of electric fields on the conduction of polyvinyl alcohol (PVA)/ZnO films by photoluminescence analysis. <i>Journal of Luminescence</i> , 2017, 181, 217-222.	1.5	12
2841	Sonochemically synthesized ZnO nanosheets and nanorods: Annealing temperature effects on the structure, and optical properties. <i>Ceramics International</i> , 2017, 43, 527-533.	2.3	52
2842	Cytotoxicity study of Piper nigrum seed mediated synthesized SnO ₂ nanoparticles towards colorectal (HCT116) and lung cancer (A549) cell lines. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 166, 158-168.	1.7	129
2843	Synthesis of Hexagonal ZnO-PQ7 Nano Disks Conjugated with Folic Acid to Image MCF-7 Cancer Cells. <i>Journal of Fluorescence</i> , 2017, 27, 21-29.	1.3	11
2844	Temperature-independent photoluminescence response in ZnO:Ce nanophosphor. <i>Bulletin of Materials Science</i> , 2017, 40, 1429-1434.	0.8	7
2845	X-ray Absorption Spectroscopic Investigation of Ferromagnetic Ni-doped ZnO. <i>Macromolecular Symposia</i> , 2017, 376, 1700054.	0.4	1
2846	Evaluation of oxygen vacancies in ZnO single crystals and powders by micro-Raman spectroscopy. <i>Journal of the Ceramic Society of Japan</i> , 2017, 125, 445-448.	0.5	31
2847	Sandwich-structure-modulated photoluminescence enhancement of wide bandgap semiconductors capping with dielectric microsphere arrays. <i>Optics Express</i> , 2017, 25, 6000.	1.7	15
2848	New ZnO@Cardanol Porphyrin Composite Nanomaterials with Enhanced Photocatalytic Capability under Solar Light Irradiation. <i>Materials</i> , 2017, 10, 1114.	1.3	18
2849	Growth Method-Dependent and Defect Density-Oriented Structural, Optical, Conductive, and Physical Properties of Solution-Grown ZnO Nanostructures. <i>Nanomaterials</i> , 2017, 7, 266.	1.9	13
2850	Preparation of Tradescantia pallida-mediated zinc oxide nanoparticles and their activity against cervical cancer cell lines. <i>Tropical Journal of Pharmaceutical Research</i> , 2017, 16, 494.	0.2	16
2851	Optical and Structural Properties of Solvent Free Synthesized Starch/Chitosan-ZnO Nanocomposites. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-8.	1.5	16
2852	Synthesis Approaches of Zinc Oxide Nanoparticles: The Dilemma of Ecotoxicity. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-14.	1.5	193

#	ARTICLE	IF	CITATIONS
2853	Tuning the Surface Morphologies and Properties of ZnO Films by the Design of Interfacial Layer. <i>Nanoscale Research Letters</i> , 2017, 12, 551.	3.1	8
2854	Effect of particle shape and size on the morphology and optical properties of zinc oxide synthesized by the polyol method. <i>Materials and Design</i> , 2018, 146, 125-133.	3.3	49
2855	Effect of Sm doping ZnO nanorods on structural optical and electrical properties of Schottky diodes prepared by chemical bath deposition. <i>Materials Science in Semiconductor Processing</i> , 2018, 79, 53-60.	1.9	51
2856	Study on properties of Ga/F-co-doped ZnO thin films prepared using atomic layer deposition. <i>Thin Solid Films</i> , 2018, 660, 913-919.	0.8	18
2857	Solution, Solid-State Two Step Synthesis and Optical Properties of ZnO and SnO ₂ Nanoparticles and Their Nanocomposites with SiO ₂ . <i>Journal of Cluster Science</i> , 2018, 29, 251-266.	1.7	11
2858	Influence of pressure on electronic and optical properties of phosphorus-doped ZnO. <i>European Physical Journal B</i> , 2018, 91, 1.	0.6	2
2859	Structural, optical, electronic and magnetic properties of multiphase ZnO/Zn(OH) ₂ /ZnO ₂ nanocomposites and hexagonal prism shaped ZnO nanoparticles synthesized by pulse laser ablation in Heptanes. <i>Materials Chemistry and Physics</i> , 2018, 211, 510-521.	2.0	24
2860	Structural and optoelectronic properties of glucose capped Cu doped ZnO/ Zn(OH) ₂ nanosheets. <i>Materials Today: Proceedings</i> , 2018, 5, 2197-2206.	0.9	1
2861	Structural and optical properties of pure and copper doped zinc oxide nanoparticles. <i>Results in Physics</i> , 2018, 9, 1301-1309.	2.0	201
2862	Optical properties of ZnO nanoparticles synthesized by co-precipitation method using LiOH. <i>Materials Today: Proceedings</i> , 2018, 5, 9144-9147.	0.9	16
2863	Controllable Growth of ZnO Microstructures via a Solution Route. <i>Journal of Nano Research</i> , 0, 51, 39-47.	0.8	1
2864	Plasmon-enhanced ZnO whispering-gallery mode lasing. <i>Nano Research</i> , 2018, 11, 3050-3064.	5.8	61
2865	Oxygen vacancy-passivated ZnO thin film formed by atomic layer deposition using H ₂ O ₂ . <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2018, 36, .	0.9	16
2866	Investigations on the physical properties of Mn-modified ZnO samples prepared by sol-gel route. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 9930-9941.	1.1	7
2867	Effects of octadecylamine molar concentration on the structure, morphology and optical properties of ZnO nanostructure prepared by homogeneous precipitation method. <i>Journal of Luminescence</i> , 2018, 200, 206-215.	1.5	28
2868	Core/shell structured Zn/ZnO nanoparticles synthesized by gaseous laser ablation with enhanced photocatalysis efficiency. <i>Applied Surface Science</i> , 2018, 442, 101-105.	3.1	44
2869	ZnO synthesized in air by fs laser irradiation on metallic Zn thin films. <i>Applied Surface Science</i> , 2018, 439, 681-688.	3.1	7
2870	Parameters optimization for synthesis of Al-doped ZnO nanoparticles by laser ablation in water. <i>Applied Surface Science</i> , 2018, 440, 916-925.	3.1	56

#	ARTICLE	IF	CITATIONS
2871	Synthesis, properties and applications of ZnO nanomaterials with oxygen vacancies: A review. <i>Ceramics International</i> , 2018, 44, 7357-7377.	2.3	369
2872	Effect of high Fe doping on Raman modes and optical properties of hydrothermally prepared SnO ₂ nanoparticles. <i>Materials Science in Semiconductor Processing</i> , 2018, 77, 31-39.	1.9	44
2873	Revealing hole trapping in zinc oxide nanoparticles by time-resolved X-ray spectroscopy. <i>Nature Communications</i> , 2018, 9, 478.	5.8	84
2874	Luminescence in the Visible Region from Annealed Thin ALD ZnO Films Implanted with Different Rare Earth Ions. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1700889.	0.8	11
2875	Effect of ambient conditions on a violet emission band from ZnO nanorods. <i>Journal of Luminescence</i> , 2018, 197, 159-163.	1.5	14
2876	Theoretical investigation of the cathodoluminescence spectra of Co-doped ZnO nanowires. <i>Journal of Luminescence</i> , 2018, 198, 124-131.	1.5	8
2877	UV-induced Multilevel Current Amplification Memory Effect in Zinc Oxide Rods Resistive Switching Devices. <i>Advanced Functional Materials</i> , 2018, 28, 1706230.	7.8	60
2878	Investigating the Role of Oxygen Vacancies and Lattice Strain Defects on the Enhanced Photoelectrochemical Property of Alkali Metal (Li, Na, and K) Doped ZnO Nanorod Photoanodes. <i>ChemElectroChem</i> , 2018, 5, 1147-1152.	1.7	31
2879	Properties of Al- and Ga-doped thin zinc oxide films treated with UV laser radiation. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	10
2880	Photoluminescence property adjustment of ZnO quantum dots synthesized via sol-gel method. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 4967-4974.	1.1	8
2881	Effect of Ga incorporation on morphology and defect structures evolution in VLS grown 1D In ₂ O ₃ nanostructures. <i>Applied Surface Science</i> , 2018, 439, 1010-1018.	3.1	3
2882	Effects of size reduction on microstructural, optical, vibrational, magnetic and photocatalytic properties of ZnO nanocrystals. <i>Materials Characterization</i> , 2018, 137, 109-118.	1.9	23
2883	INVESTIGATIONS ON AZO/Al/AZO MULTILAYER STRUCTURE GROWN AT ROOM TEMPERATURE. <i>Surface Review and Letters</i> , 2018, 25, 1950033.	0.5	0
2884	Synthesis of nano-structured tin oxide thin films with faster response to LPG and ammonia by spray pyrolysis. <i>Materials Research Express</i> , 2018, 5, 014007.	0.8	10
2885	Oxygen vacancy mediated temperature dependent emission behavior of localized bound excitons in ZnO nanorods. <i>Journal of Luminescence</i> , 2018, 195, 201-208.	1.5	14
2886	Resistive switching in individual ZnO nanorods: delineating the ionic current by photo-stimulation. <i>Nanotechnology</i> , 2018, 29, 105701.	1.3	8
2887	Ga-Ti-codoped ZnO embedded silver nanoparticles as an alternative anode in blue and green OLEDs. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 356, 290-297.	2.0	2
2888	Enhancement of Si solar cell efficiency using ZnO nanowires with various diameters. <i>Materials Research Express</i> , 2018, 5, 015040.	0.8	9

#	ARTICLE	IF	CITATIONS
2889	Synthesis of fast sinterable oxygen deficient nano γ -alumina & its optical properties. <i>Journal of Alloys and Compounds</i> , 2018, 735, 2092-2101.	2.8	5
2890	Post-deposition thermal treatment of sprayed ZnO:Al thin films for enhancing the conductivity. <i>Physica B: Condensed Matter</i> , 2018, 533, 83-89.	1.3	19
2891	Surface Photovoltage Spectroscopy Resolves Interfacial Charge Separation Efficiencies in ZnO Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2018, 122, 2582-2588.	1.5	26
2892	Growth Parameter Dependence of Polarity and Electronic Transports in ZnO Thin Films Deposited by Magnetron Sputtering. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1700838.	0.8	2
2893	Microstructural evolution of the oxidized ZnO:Cu films tuned by high magnetic field. <i>Journal of Alloys and Compounds</i> , 2018, 753, 673-678.	2.8	2
2894	A fast and facile microwave irradiation method for the synthesis of ZnO@ZrO ₂ core-shell nanocomposites and the investigation of their optical properties. <i>Advanced Powder Technology</i> , 2018, 29, 1804-1811.	2.0	19
2895	The Influence of the Spatial Orientation of ZnO Nanorods on the Luminescence Spectrum. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2018, 124, 198-201.	0.2	6
2896	Growth and physical investigations of sprayed ZnMoO ₄ thin films along with wettability tests. <i>Physica B: Condensed Matter</i> , 2018, 539, 51-60.	1.3	6
2897	Photocatalytic, biodiesel, electrochemical sensing properties and formylation reactions of ZnO nanoparticles synthesized via eco-friendly green synthesis method. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 8747-8759.	1.1	23
2898	Optical bandgap tuning in nanocrystalline ZnO:Y films via forming defect-induced localized bands. <i>Materials and Design</i> , 2018, 148, 30-38.	3.3	17
2899	Room temperature magnetic ordering and analysis by bound magnetic polaron model of Yb ³⁺ doped nanocrystalline zinc oxide (Zn _{0.98} Yb _{0.02} O). <i>Materials Research Bulletin</i> , 2018, 104, 6-14.	2.7	22
2900	Quantum-size effects in visible defect photoluminescence of colloidal ZnO quantum dots: a theoretical analysis. <i>Nanoscale</i> , 2018, 10, 7016-7025.	2.8	5
2901	Effect of Precursor Concentration on Structural, Morphological, and Optical Properties of ZnO Thin-Filmed Sensor for Ethanol Detection. <i>IEEE Nanotechnology Magazine</i> , 2018, 17, 169-176.	1.1	12
2902	Study of Photoconductivity and Photoluminescence in ZnO Microstructures Synthesized by Thermal Decomposition of Zinc Nitrate. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2018, 88, 157-162.	0.8	8
2903	Study of self-sensitization of wide-gap oxides to visible light by intrinsic defects: From Terenin to the present days. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 354, 47-60.	2.0	8
2904	Fast photocatalytic degradation of sulforhodamine B using ZnO:Cu nanorods. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 113, 39-49.	1.9	12
2905	Concentration-dependent behaviors of ZnO-reinforced PVA/ZnO nanocomposites as electron transport materials for OLED application. <i>Polymer Bulletin</i> , 2018, 75, 3089-3107.	1.7	49
2906	Enhanced red emission from Fe/Si co-doped ZnO nano-particles. <i>Scripta Materialia</i> , 2018, 144, 27-30.	2.6	16

#	ARTICLE	IF	CITATIONS
2907	Photoconductive network structured copper oxide for simultaneous photoelectrocatalytic degradation of antibiotic (tetracycline) and bacteria (<i>E. coli</i>). <i>Chemical Engineering Journal</i> , 2018, 332, 757-774.	6.6	55
2908	Gradient in defect density of ZnO nanorods grown by cathodic delamination, a corrosion process, leads to end-specific luminescence. <i>Nanoscale Horizons</i> , 2018, 3, 58-65.	4.1	15
2909	Ultrasound-assisted biosynthesis of CuO-NPs using brown alga <i>Cystoseira trinodis</i> : Characterization, photocatalytic AOP, DPPH scavenging and antibacterial investigations. <i>Ultrasonics Sonochemistry</i> , 2018, 41, 109-119.	3.8	125
2910	Efficient photocatalytic performance enhancement in Co-doped ZnO nanowires coupled with CuS nanoparticles. <i>Applied Surface Science</i> , 2018, 428, 154-164.	3.1	53
2911	Penetration length-dependent hot electrons in the field emission from ZnO nanowires. <i>Applied Surface Science</i> , 2018, 427, 573-580.	3.1	10
2912	A bottom-up strategy to surface assembly: Second growth from metal-rich embryos. <i>Materials Chemistry and Physics</i> , 2018, 204, 228-235.	2.0	0
2913	Experimental and Theoretical Study of Enhanced Photocatalytic Activity of Mg-Doped ZnO NPs and ZnO/rGO Nanocomposites. <i>Chemistry - an Asian Journal</i> , 2018, 13, 194-203.	1.7	83
2914	Synthesis of Highly Luminescent SnO ₂ Nanocrystals: Analysis of their Defect-Related Photoluminescence Using Polyoxometalates as Quenchers. <i>Advanced Functional Materials</i> , 2018, 28, 1704620.	7.8	26
2915	Effect of Atomic Layer Deposition Temperature on the Growth Orientation, Morphology, and Electrical, Optical, and Band-Structural Properties of ZnO and Fluorine-Doped ZnO Thin Films. <i>Journal of Physical Chemistry C</i> , 2018, 122, 377-385.	1.5	22
2916	Suppression of Red Luminescence in Wire Explosion Derived Eu:ZnO. <i>Journal of Electronic Materials</i> , 2018, 47, 1924-1931.	1.0	1
2917	Enhancement in NBE emission and optical band gap by Al doping in nanocrystalline ZnO thin films. <i>Opto-electronics Review</i> , 2018, 26, 1-10.	2.4	24
2918	Green photoluminescence and photoconductivity from screen-printed Mg doped ZnO films. <i>Journal of Alloys and Compounds</i> , 2018, 735, 312-318.	2.8	38
2919	Hysteresis-free DC conduction in zinc oxide films with a conducting polymer counter electrode. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 2797-2805.	1.1	7
2920	Annealing impact on the structural and optical properties of electrospun SnO ₂ nanofibers for TCOs. <i>Ceramics International</i> , 2018, 44, 4586-4591.	2.3	5
2921	Responsivity to solar irradiation and the response time of photodetectors that use ZnO nanoparticles with and without thermal annealing in pure oxygen ambient. <i>Optik</i> , 2018, 155, 157-162.	1.4	2
2922	Highly Visible Photoluminescence from Ta-Doped Structures of ZnO Films Grown by HFCVD. <i>Crystals</i> , 2018, 8, 395.	1.0	4
2923	Broad-band emission of A ₃ B ₂ A ₂ O ₉ complex perovskites (A = Ba, Sr; Tj ETQqO O O rgBT). <i>Chemistry C</i> , 2018, 6, 12566-12574.	2.7	11
2924	Facile fabrication and optimization of bowl-like ZnO/CdS nano-composite thin films with hierarchical nanopores and nano-cracks for high-performance photoelectrochemistry. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 22046-22054.	3.8	8

#	ARTICLE	IF	CITATIONS
2925	Oriented zinc oxide nanorods: A novel saturable absorber for lasers in the near-infrared. Beilstein Journal of Nanotechnology, 2018, 9, 2730-2740.	1.5	8
2926	Effects of ultraviolet photon irradiation and subsequent thermal treatments on solution-processed amorphous indium gallium zinc oxide thin films. AIP Advances, 2018, 8, .	0.6	4
2927	Tuning the interlayer cations of birnessite-type MnO ₂ to enhance its oxidation ability for gaseous benzene with water resistance. Catalysis Science and Technology, 2018, 8, 5344-5358.	2.1	48
2928	Mechanisms of ZnO Luminescence in the Visible Spectral Region. Optics and Spectroscopy (English) Tj ETQq1 1 0.784314 rgBT /Over	0.2	34
2929	Performance analysis of the solidification of acrylic esters photo-initiated by systematically modified ZnO nanoparticles. Polymer, 2018, 158, 83-89.	1.8	12
2930	Nitrogen ion irradiation effect on enhancing photocatalytic performance of CdTe/ZnO heterostructures. Frontiers of Materials Science, 2018, 12, 392-404.	1.1	4
2931	Parametric study on photoluminescence enhancement of high-quality zinc oxide single-crystal capping with dielectric microsphere array. Applied Optics, 2018, 57, 7740.	0.9	7
2932	Triluminescent Functional Composite Pigment for Non-Replicable Security Codes to Combat Counterfeiting. ChemistrySelect, 2018, 3, 9627-9633.	0.7	11
2933	Influence of different substrates on ZnO nanorod arrays properties. Solid State Sciences, 2018, 85, 21-25.	1.5	9
2934	Growth and properties of ZnO nanorods by RF-sputtering for detection of toxic gases. RSC Advances, 2018, 8, 32038-32043.	1.7	31
2935	Spatial Distribution of Defect Luminescence in ZnO Nanorods: An Investigation by Spectral Cathodoluminescence Imaging. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1800389.	0.8	2
2936	Bulk Polymerization Photo-initiator ZnO: Increasing of the Benzoyl Formic Acid Concentration and LED Illumination. Macromolecular Chemistry and Physics, 2018, 219, 1800208.	1.1	7
2937	Enhanced Performance of Inverted Non-Fullerene Organic Solar Cells by Using Metal Oxide Electron- and Hole-Selective Layers with Process Temperature 150 °C. Polymers, 2018, 10, 725.	2.0	8
2938	Effect of cathode interface thickness on the photovoltaic parameters of bulk heterojunction organic solar cells. Materials Research Express, 2018, 5, 116203.	0.8	2
2939	Tuning ferromagnetism in zinc oxide nanoparticles by replacing Zn ²⁺ ions with Cr ³⁺ ions. European Physical Journal Plus, 2018, 133, 1.	1.2	4
2940	ZnO:Al – A yellowish orange emitting phosphor for Blue Light -Converted White Light Emitting Diode (WLEDs). Ceramics International, 2018, 44, 14518-14522.	2.3	13
2941	A high photocurrent gain in UV photodetector based on Cu doped ZnO nanorods on PEN substrate. Journal of Materials Science: Materials in Electronics, 2018, 29, 11646-11652.	1.1	12
2942	Structural transformations and optical properties of glass-ceramics based on ZnO, $\hat{1}^2$ - and $\hat{1}^{\pm}$ -Zn ₂ SiO ₄ nanocrystals and doped with Er ₂ O ₃ and Yb ₂ O ₃ : Part I. The role of heat-treatment. Journal of Luminescence, 2018, 202, 47-56.	1.5	24

#	ARTICLE	IF	CITATIONS
2943	Structural, optical and gas sensing properties of vertically well-aligned ZnO nanowires grown on graphene/Si substrate by thermal evaporation method. <i>Materials Characterization</i> , 2018, 141, 296-317.	1.9	31
2944	Beyond Chemical Bonding Interaction: An Insight into the Growth Process of 1D ZnO on Few-Layer Graphene for Excellent Photocatalytic and Room Temperature Gas Sensing Applications. <i>ChemistrySelect</i> , 2018, 3, 7302-7309.	0.7	13
2945	Enhanced Red Emission in Ultrasound-Assisted Sol-Gel Derived ZnO/PMMA Nanocomposite. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-8.	1.0	3
2946	Photoluminescence Properties of ZnO Nanorods Synthesized by Different Methods. <i>Semiconductors</i> , 2018, 52, 897-901.	0.2	4
2947	Laser Spectroscopy and Lasing Actions in Nanomaterials. , 2018, , 241-263.		0
2948	Exploring the Interactions of Oxygen with Defective ZnO. <i>ChemistryOpen</i> , 2018, 7, 491-494.	0.9	12
2949	The effects of Sn:Te ratio on optical properties of SnTe NPs. <i>Journal of Luminescence</i> , 2018, 203, 481-485.	1.5	10
2950	Construction of a solar spectrum active SnS/ZnO n heterojunction as a highly efficient photocatalyst: the effect of the sensitization process on its performance. <i>New Journal of Chemistry</i> , 2018, 42, 13689-13701.	1.4	39
2951	Methods of nanostructured materials characterization. , 2018, , 79-116.		0
2952	Defects in ZnO. , 2018, , 1-25.		7
2953	Studies on annealed ZnO:V thin films deposited by nebulised spray pyrolysis method. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	0
2954	Ferromagnetism in High-Surface-Area ZnO Nanosheets Prepared by a Template-Assisted Hydrothermal Method. <i>Chinese Physics Letters</i> , 2018, 35, 067501.	1.3	1
2955	Green synthesis of copper oxide nanoparticles and mosquito larvicidal activity against dengue, zika and chikungunya causing vector <i>Aedes aegypti</i> . <i>IET Nanobiotechnology</i> , 2018, 12, 1042-1046.	1.9	63
2956	Role of Ba in engineering band gap, photoluminescence and nonlinear optical properties of SnO ₂ nanostructures for photovoltaic and photocatalytic applications. <i>Superlattices and Microstructures</i> , 2018, 122, 156-164.	1.4	23
2957	Effect of Adsorption on the Photoluminescence of Zinc Oxide Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2018, 122, 18982-18994.	1.5	16
2958	Metal Oxide Based Hydroelectric Cell for Electricity Generation by Water Molecule Dissociation without Electrolyte/Acid. <i>Journal of Physical Chemistry C</i> , 2018, 122, 18841-18849.	1.5	50
2959	Photocatalytic degradation of methylene blue dye by nonconventional synthesized SnO ₂ nanoparticles. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2018, 10, 339-350.	1.7	57
2960	A newly developed-nanocrystals (ZnO and PbO) bearing silicate phosphor that emits strong bluish white-light. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	1

#	ARTICLE	IF	CITATIONS
2961	ZnO nanowire sensitization with Ru polypyridyl complexes: charge-transfer probed by spectral and relaxation photocurrent measurements. <i>Materials Research Express</i> , 2018, 5, 075020.	0.8	2
2962	Nanoscale Zinc Oxide Particles for Improving the Physiological and Sanitary Quality of a Mexican Landrace of Red Maize. <i>Nanomaterials</i> , 2018, 8, 247.	1.9	91
2963	Thermal Calcination-Based Production of SnO ₂ Nanopowder: An Analysis of SnO ₂ Nanoparticle Characteristics and Antibacterial Activities. <i>Nanomaterials</i> , 2018, 8, 250.	1.9	48
2964	Cadmium-Alloyed Zinc Oxide Nanocrystals in the Quantum Confinement Region with Intense Visible Luminescence. <i>Crystal Research and Technology</i> , 2018, 53, 1800031.	0.6	1
2965	Structural and electrical properties of In ₂ O ₃ thin films prepared by pulsed laser deposition. <i>AIP Conference Proceedings</i> , 2018, . .	0.3	5
2966	Photoluminescence dynamics and quantum yield of intrinsically conductive ZnO from atomic layer deposition. <i>Journal of Luminescence</i> , 2018, 201, 85-89.	1.5	12
2967	Broadband luminescence in defect-engineered electrochemically produced porous Si/ZnO nanostructures. <i>Scientific Reports</i> , 2018, 8, 6988.	1.6	32
2968	ZnO-CuO Nanocomposites with Improved Photocatalytic Activity for Environmental and Energy Applications. <i>Journal of Electronic Materials</i> , 2018, 47, 6731-6745.	1.0	36
2969	Structural and optical properties of ZnO films grown on ion-plated Ga doped ZnO buffer layers by atmospheric-pressure chemical vapor deposition using Zn and H ₂ O as source materials. <i>Thin Solid Films</i> , 2018, 663, 79-84.	0.8	6
2970	A Review on Green Synthesis, Biomedical Applications, and Toxicity Studies of ZnO NPs. <i>Bioinorganic Chemistry and Applications</i> , 2018, 2018, 1-12.	1.8	248
2971	Influence of Ni, Ti and NiTi alloy nanoparticles on hydrothermally grown ZnO nanowires for photoluminescence enhancement. <i>Journal of Alloys and Compounds</i> , 2019, 770, 1119-1129.	2.8	12
2972	Effect of Fe doping on structural and optical properties of ZnO films and nanorods. <i>Journal of Alloys and Compounds</i> , 2019, 770, 854-863.	2.8	67
2973	Wettability and optical properties of SnO ₂ -SnO ₂ -Sb ₂ O ₃ thin films deposited by simultaneous RF and DC magnetron sputtering. <i>Journal of Alloys and Compounds</i> , 2019, 770, 433-440.	2.8	3
2974	Dislocations and particle size governed band gap and ferromagnetic ordering in Ni doped ZnO nanoparticles synthesized via co-precipitation. <i>Ceramics International</i> , 2019, 45, 23341-23354.	2.3	41
2975	Fully photon modulated heterostructure for neuromorphic computing. <i>Nano Energy</i> , 2019, 65, 104000.	8.2	110
2976	Self-organized growth of particular ZnO nanocrystalline in the presence of steam. <i>Materials Research Express</i> , 2019, 6, 0950b9.	0.8	0
2977	Enhanced photocatalytic performance of porous ZnO thin films by CuO nanoparticles surface modification. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2019, 248, 114405.	1.7	35
2978	Influence of surface oxygen vacancies on the LPG sensing response and the gas selectivity of Nd-doped SnO ₂ nanoparticulate thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 16579-16595.	1.1	13

#	ARTICLE	IF	CITATIONS
2979	Facile Synthesis and Photoluminescence Mechanism of ZnO Nanowires Decorated with Cu Nanoparticles Grown by Atomic Layer Deposition. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1616-1625.	2.0	12
2980	Effect of precursor concentration of microstructured titanium-di-oxide (TiO ₂) thin films and their photocatalytic activity. <i>Materials Research Express</i> , 2019, 6, 096436.	0.8	5
2981	Augmented properties for PPY-PANI-ZnO nanocomposite as electron transport layer material for organic light emitting diode (OLED) application. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	2
2982	Recent progress in fundamental understanding of halide perovskite semiconductors. <i>Progress in Materials Science</i> , 2019, 106, 100580.	16.0	95
2983	Anomalous photoluminescence and UV light sensing characteristics of ZnO:Ga nanowiresâ€™role of Ga content. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 15285-15292.	1.1	0
2984	Morphology-dependent structural and optical properties of ZnO nanostructures. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	51
2985	Fluorescence Invigoration in Carbon-Incorporated Zinc Oxide Nanowires from Passage of Field Emission Electrons. <i>Scientific Reports</i> , 2019, 9, 9671.	1.6	6
2986	Investigation of Strain Effects on Photoelectrochemical Performance of Flexible ZnO Electrodes. <i>Scientific Reports</i> , 2019, 9, 11006.	1.6	53
2987	ZnO nanorod arrays decorated with AgCl nanoparticles as highly efficient visible-light-driven photocatalyst. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 13690-13697.	1.1	5
2988	Quantum dots from microfluidics for nanomedical application. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2019, 11, e1567.	3.3	29
2989	Persistent photoconductivity in ZnO thin films grown on Si substrate by spin coating method. <i>Optical Materials</i> , 2019, 97, 109343.	1.7	13
2990	The effect of Zn ²⁺ on the anion vacancies in ZnO thin-films grown using chemical bath deposition.. <i>Journal of Physics: Conference Series</i> , 2019, 1292, 012016.	0.3	3
2991	Effect of Ar:O2 ratio on reactively magnetron sputtered ZnO filmâ€™s properties. <i>Materials Research Express</i> , 2019, 6, 116419.	0.8	6
2992	Facile and ultra-rapid synthesis of multi-pod ZnO nanostructures through thermal heating using the flame of a portable gas torch. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 098003.	0.8	1
2993	Effect of annealing on the structural and opto-electrical properties of as-grown ZnO thin films by successive ionic layer adsorption and reaction (SILAR) technique. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	0
2994	Protection of Nanostructures-Integrated Microneedle Biosensor Using Dissolvable Polymer Coating. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 4809-4819.	4.0	42
2995	Femtosecond Laser-Assisted Synthesis of ZnO Nanoparticles in Solvent with Visible Emission for Temperature Sensing. <i>Nano</i> , 2019, 14, 1950054.	0.5	2
2996	Tuning ZnO nanorods photoluminescence through atmospheric plasma treatments. <i>APL Materials</i> , 2019, 7, .	2.2	20

#	ARTICLE	IF	CITATIONS
2997	Synthesis, crystal growth, optical, thermal, mechanical and dielectric properties of nonlinear optical (NLO) material. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 17504-17513.	1.1	3
2998	Tuning visible-wavelength spectrum of white-light super-continuum via etalon transmission in lamellar ZnO micro/nanoparticle-stacked structures. <i>Optical Materials</i> , 2019, 96, 109337.	1.7	0
2999	Realizing natural ventilation potential through window control: The impact of occupant behavior. <i>Energy Procedia</i> , 2019, 158, 3215-3221.	1.8	12
3000	Hierarchically Porous Cu-, Co-, and Mn-Doped Platelet-Like ZnO Nanostructures and Their Photocatalytic Performance for Indoor Air Quality Control. <i>ACS Omega</i> , 2019, 4, 16429-16440.	1.6	42
3001	Substrate-dependent luminescent properties of thin-film phosphors: Comparative study of Eu ³⁺ -doped ZnO films deposited on SiO ₂ , Si, and sapphire substrates. <i>Thin Solid Films</i> , 2019, 689, 137513.	0.8	6
3002	Cr doped ZnO: Investigation of magnetic behaviour through SQUID and ESR studies. <i>Physica B: Condensed Matter</i> , 2019, 572, 60-65.	1.3	6
3003	Facile design of zinc alkoxide-armed ZnO adsorbents for Cr(VI) removal with unique ultraviolet regeneration behavior. <i>Separation and Purification Technology</i> , 2019, 213, 401-409.	3.9	5
3004	Eu ³⁺ -Activated Sr ₃ ZnTa ₂ O ₉ single-component white light phosphors: emission intensity enhancement and color rendering improvement. <i>Journal of Materials Chemistry C</i> , 2019, 7, 2596-2603.	2.7	63
3005	Surface ferromagnetism in ZnO single crystal. <i>Solid State Communications</i> , 2019, 292, 36-39.	0.9	13
3006	Systematic study of Nd ³⁺ on structural properties of ZnO nanocomposite for biomedical applications; in-vitro biocompatibility, bioactivity, photoluminescence and antioxidant properties. <i>Journal of Rare Earths</i> , 2019, 37, 508-514.	2.5	13
3007	Bio-realistic synaptic characteristics in the cone-shaped ZnO memristive device. <i>NPG Asia Materials</i> , 2019, 11, .	3.8	55
3008	Post-annealing induced oxygen vacancy mediated non-polar ZnO films with excellent opto-electronic performance. <i>Ceramics International</i> , 2019, 45, 8388-8394.	2.3	22
3009	Luminescence mechanism of self-activated phosphor Ca _{0.75} Sr _{0.2} Mg _{1.05} Si ₂ O ₆ and abnormal second concentration quenching phenomenon of Ca _{0.75} Sr _{0.2} Mg _{1.05} Si ₂ O ₆ :Ce ³⁺ . <i>Journal of Luminescence</i> , 2019, 207, 602-612.	1.5	9
3010	Enhanced optical, antibacterial and photocatalytic performance by Sn substitution in Zn _{0.97} Mn _{0.03} O nanostructures. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 12186-12196.	1.1	1
3011	Role of defects in optical, photoluminescence and magnetic properties of Zn _{0.96} Ni _{0.04} CrxO nanoparticles. <i>Journal of Alloys and Compounds</i> , 2019, 803, 240-249.	2.8	10
3012	Defect Engineering of ZnO Nanoparticles for Bioimaging Applications. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 24933-24944.	4.0	62
3013	Defect-induced photoluminescence from gallium-doped zinc oxide thin films: influence of doping and energetic ion irradiation. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 15019-15029.	1.3	63
3014	Enhanced gas-sensitivity and ferromagnetism performances by the Ni-doping induced oxygen vacancies in (Mn, Ni) codoped ZnO nanorods. <i>Applied Surface Science</i> , 2019, 490, 178-187.	3.1	32

#	ARTICLE	IF	CITATIONS
3015	Improved nonlinear absorption mechanism of tin oxide thin films: Role of strontium doping. <i>Optical Materials</i> , 2019, 94, 294-298.	1.7	21
3016	Nanostructured ZnO-based materials for biomedical and environmental applications. , 2019, , 285-305.		1
3017	Position- and Polarization-Specific Waveguiding of Multi-Emissions in Single ZnO Nanorods. <i>ACS Photonics</i> , 2019, 6, 1416-1424.	3.2	5
3018	Anticancer potential of zinc oxide nanoparticles against cervical carcinoma cells synthesized via biogenic route using aqueous extract of <i>Gracilaria edulis</i> . <i>Materials Science and Engineering C</i> , 2019, 103, 109840.	3.8	47
3019	Growth mechanism of novel scaly CNFs@ZnO nanofibers structure and its photoluminescence property. <i>Applied Surface Science</i> , 2019, 491, 75-82.	3.1	3
3020	Improved Charge Transfer and Hot Spots by Doping and Modulating the Semiconductor Structure: A High Sensitivity and Renewability Surface-Enhanced Raman Spectroscopy Substrate. <i>Langmuir</i> , 2019, 35, 8921-8926.	1.6	18
3021	Fabrication of ZnO nanostructures with tunable luminescence, electrical properties: effect of annealing reaction temperature, ligand and seed layer. <i>Materials Research Express</i> , 2019, 6, 0850e1.	0.8	3
3022	0D/2D Z-scheme heterojunctions of g-C ₃ N ₄ quantum dots/ZnO nanosheets as a highly efficient visible-light photocatalyst. <i>Advanced Powder Technology</i> , 2019, 30, 1576-1583.	2.0	40
3023	A starch-assisted innovative synthesis of spinel-structured and ferromagnetic behaviour of Fe ₃ O ₄ nanoparticles catalytic activity evaluated in the selective oxidation. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	1
3024	Magnetron Sputtering for ZnO:Ga Scintillation Film Production and Its Application Research Status in Nuclear Detection. <i>Crystals</i> , 2019, 9, 263.	1.0	27
3025	Morphological evolution of ZnO nanostructures with hydrothermal oxidation time and their electrochemical glucose sensing properties. <i>Applied Nanoscience (Switzerland)</i> , 2019, 9, 2059-2068.	1.6	4
3026	Al doping in ZnO nanowires enhances ultraviolet emission and suppresses broad defect emission. <i>Journal of Luminescence</i> , 2019, 211, 264-270.	1.5	12
3027	Study on the electrical properties of nano ZnO/PET-ITO heterojunction prepared by hydrothermal method. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2019, 235, 68-72.	0.8	7
3028	Annealing induced transformation and enhancement in the electronic defect states of Al doped ZnO films and their correlation with the optoelectronic properties. <i>Journal of Alloys and Compounds</i> , 2019, 789, 573-587.	2.8	14
3029	Synthesis of silver-loaded ZnO nanorods and their enhanced photocatalytic activity and photoconductivity study. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 1503-1511.	1.6	48
3030	Role of oxygen vacancies on optical, structural and photoluminescence properties of Sn _{0.97} Cr _{0.03} O ₂ nanoparticles co-doped with Cu. <i>Materials Research Express</i> , 2019, 6, 0850h5.	0.8	0
3031	Hybrid Heterostructured LEDs Based on Superstrate Architecture of ZnO and ZnS Quantum Dots. <i>IEEE Journal of Quantum Electronics</i> , 2019, 55, 1-7.	1.0	3
3032	Bimodal Fucoidan-Coated Zinc Oxide/Iron Oxide-Based Nanoparticles for the Imaging of Atherothrombosis. <i>Molecules</i> , 2019, 24, 962.	1.7	18

#	ARTICLE	IF	CITATIONS
3033	Green synthesis of Ag ZnO nanoparticles: Structural analysis, hydrogen generation, formylation and biodiesel applications. <i>Journal of Science: Advanced Materials and Devices</i> , 2019, 4, 425-431.	1.5	20
3034	Random Lasing in ZnO Nanopowders Based on Multiphoton Absorption for Ultrafast Upconversion Application. <i>ACS Applied Nano Materials</i> , 2019, 2, 1909-1919.	2.4	17
3035	Juniper leaf-like ZnO crystals synthesized through a melt oxidation of Al-Zn mixture in air. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 060902.	0.8	0
3036	Comparative study on hydrothermally synthesized undoped and Vanadium doped Zinc Oxide nanorods for nanoelectromechanical systems low-frequency accelerometer application. <i>Thin Solid Films</i> , 2019, 680, 60-66.	0.8	7
3037	Surface oxygen vacancies of ZnO: A facile fabrication method and their contribution to the photoluminescence. <i>Journal of Alloys and Compounds</i> , 2019, 791, 722-729.	2.8	63
3038	Polycrystalline ZnO nanorods for lasing applications. <i>Journal of Applied Physics</i> , 2019, 125, .	1.1	5
3039	Defect-Induced Enhancement Emission Intensity of $\text{Ca}_{4.85}(\text{BO}_{3.3})_{3.3}\text{F}(\text{C}_{4.85}\text{BF})_{0.15}\text{Bi}_{3+}$ by Introducing Cation (Na^{+} , Sr^{2+} , Ba^{2+}) or Anion (Cl^{-}). <i>Inorganic Chemistry</i> , 2019, 58, 5356-5365.	1.9	4
3040	Al dopant-dependent third-order nonlinear optical parameters in ZnO thin films under CW Nd: YAG laser irradiation. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 8619-8628.	1.1	8
3041	Structural, opto-electronics and magnetic study of Fe/Si doped ZnO. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 9344-9355.	1.1	0
3042	Photoluminescence studies of transparent conductive ZnO films to identify their donor species. <i>AIP Advances</i> , 2019, 9, 045202.	0.6	5
3043	Size controlled, antimicrobial ZnO nanostructures produced by the microwave assisted route. <i>Materials Science and Engineering C</i> , 2019, 99, 1164-1173.	3.8	41
3044	Effects of NH ₃ flow on structural and optical properties of ZnO films grown by atmospheric-pressure chemical vapor deposition. <i>Thin Solid Films</i> , 2019, 675, 50-58.	0.8	3
3045	S-, N- and C-doped ZnO as semiconductor photocatalysts: A review. <i>Frontiers of Materials Science</i> , 2019, 13, 1-22.	1.1	109
3046	Observation of ultraviolet whispering gallery modes in ZnMgO microrods. <i>Journal of Luminescence</i> , 2019, 210, 404-407.	1.5	0
3047	Pure, Size Tunable ZnO Nanocrystals Assembled into Large Area PMMA Layer as Efficient Catalyst. <i>Catalysts</i> , 2019, 9, 162.	1.6	16
3048	Defect-related multicolour emissions in ZnO smoke: from violet, over green to yellow. <i>Nanoscale</i> , 2019, 11, 5102-5115.	2.8	45
3049	Enhancement in optoelectrical properties of polycrystalline ZnO thin films by Ar plasma. <i>Materials Science in Semiconductor Processing</i> , 2019, 96, 46-52.	1.9	9
3050	Enhanced near-band edge emission in pulsed laser deposited ZnO/c-sapphire nanocrystalline thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	12

#	ARTICLE	IF	CITATIONS
3051	High-Performance Blue Quantum Dot Light-Emitting Diodes with Balanced Charge Injection. <i>Advanced Electronic Materials</i> , 2019, 5, 1800794.	2.6	34
3052	Effects of cadmium insertion in blue-excited photoluminescence of ZnO. <i>Optical Materials</i> , 2019, 89, 344-348.	1.7	8
3053	ZnO ultraviolet photodetector based on flexible polyester fibre substrates by low-temperature hydrothermal approach. <i>Micro and Nano Letters</i> , 2019, 14, 215-218.	0.6	7
3054	The Influence of Thermal Treatment and Solar Radiation on the Optical Characteristics of Zinc Oxide Nanostructures. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2019, 127, 1093-1097.	0.2	5
3055	Nano-ZnO Sand Flowers and Rods: Hydrothermal Synthesis and Optical Properties. <i>Russian Journal of Physical Chemistry A</i> , 2019, 93, 2269-2274.	0.1	4
3056	Thermal Defect Modulation and Functional Performance: A Case Study on ZnO-rGO Nanocomposites. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1900239.	0.7	1
3057	Identification of defect species in ZnO thin films through process modification and monitoring of photoluminescent properties. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2019, 37, 061514.	0.9	4
3058	SnSe/SnO ₂ nanocomposites: novel material for photocatalytic degradation of industrial waste dyes. <i>Advanced Composites and Hybrid Materials</i> , 2019, 2, 763-776.	9.9	59
3059	Europium doping effect on 3D flower-like SnO ₂ nanostructures: morphological changes, photocatalytic performance and fluorescence detection of heavy metal ion contamination in drinking water. <i>RSC Advances</i> , 2019, 9, 37450-37466.	1.7	27
3060	Effect of Ag ₂ S shell thickness on the photocatalytic properties of ZnO/Ag ₂ S core-shell nanorod arrays. <i>Journal of Materials Science</i> , 2019, 54, 1226-1235.	1.7	32
3061	High performance visible-light responsive Chl-Cu/ZnO catalysts for photodegradation of rhodamine B. <i>Applied Catalysis B: Environmental</i> , 2019, 241, 359-366.	10.8	65
3062	Nanosheet and nanosphere morphology dominated photocatalytic & antibacterial properties of ZnO nanostructures. <i>Solid State Sciences</i> , 2019, 89, 1-14.	1.5	36
3063	Impact of l-Arginine and l-Histidine on the structural, optical and antibacterial properties of Mg doped ZnO nanoparticles tested against extended-spectrum beta-lactamases (ESBLs) producing <i>Escherichia coli</i> . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 211, 373-382.	2.0	9
3064	Investigations on the surface plasmonic effect of pulsed laser dispersed (PLDi) NiTi and CuAl alloy nanoparticles on hydrothermally grown ZnO nanorods. <i>Materials Research Express</i> , 2019, 6, 045034.	0.8	0
3065	Electron transport phenomena at the interface of Al electrode and heavily doped degenerate ZnO nanoparticles in quantum dot light emitting diode. <i>Nanotechnology</i> , 2019, 30, 035207.	1.3	4
3066	Synthesis and characterization of aligned ZnO nanorods for visible light photocatalysis. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019, 107, 38-46.	1.3	56
3067	Nonlinear optical response of ZnO/HfO ₂ core/shell nanorod arrays under continuous wave laser irradiation. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 797-805.	1.1	2
3068	Physisorption of Oxygen in SnO ₂ Nanoparticles for Perovskite Solar Cells. <i>IEEE Journal of Photovoltaics</i> , 2019, 9, 200-206.	1.5	12

#	ARTICLE	IF	CITATIONS
3069	Effect of silica on the ZnS nanoparticles for stable and sustainable antibacterial application. International Journal of Applied Ceramic Technology, 2019, 16, 531-540.	1.1	30
3070	Influence of experimental parameters on linear, nonlinear optical and ultrafast dynamics properties of In doped ZnO nanorods. Optics and Laser Technology, 2019, 113, 57-63.	2.2	10
3071	Photocatalytic activity of ZnO nanopowders: The role of production techniques in the formation of structural defects. Catalysis Today, 2019, 328, 99-104.	2.2	26
3072	Free Exciton Absorptions and Quasi-reversible Redox Actions in Polypyrrole-Polyaniline-Zinc Oxide Nanocomposites as Electron Transporting Layer for Organic Light Emitting Diode and Electrode Material for Supercapacitors. Journal of Inorganic and Organometallic Polymers and Materials, 2019, 29, 730-744.	1.9	22
3073	Structural and optical properties of porous ZnO nanorods synthesized by a simple two-step method. Superlattices and Microstructures, 2019, 128, 30-36.	1.4	3
3074	Enhancement of multi-photon Raman scattering and photoluminescence emission from Li-doped ZnO nanowires. Journal of Physics Communications, 2019, 3, 015006.	0.5	4
3075	Lanthanide luminescence sensitization via SnO ₂ nanoparticle host energy transfer. Journal of Luminescence, 2019, 206, 205-210.	1.5	13
3076	Structural and optical properties of doped ZnO/SiO ₂ nanocomposite. International Journal of Applied Ceramic Technology, 2019, 16, 1209-1217.	1.1	9
3077	Mineralization of toxic industrial dyes by gallic acid mediated synthesized photocatalyst SnO ₂ nanoparticles. Environmental Technology and Innovation, 2019, 13, 197-210.	3.0	14
3078	Facile preparation of ZnO/Ag ₂ CO ₃ heterostructured nanorod arrays with improved photocatalytic activity. Journal of Physics and Chemistry of Solids, 2019, 125, 96-102.	1.9	28
3079	Influence of surface defects and preferential orientation in nanostructured Ce-doped SnO ₂ thin films by nebulizer spray deposition for lowering the LPG sensing temperature to 150°C. Ionics, 2019, 25, 809-826.	1.2	17
3080	Influence of concentrations of TiO ₂ nanoparticles on spectroscopic properties of a novel HMPP molecule. Journal of Molecular Liquids, 2019, 273, 83-87.	2.3	4
3081	Effect of Oxygen Vacancy on Structural, Optical and Magnetic Behavior of Tin Oxide Nanoparticles. International Journal of Nanoscience, 2020, 19, 1850045.	0.4	4
3082	A low-dimension structure strategy for flexible photodetectors based on perovskite nanosheets/ZnO nanowires with broadband photoresponse. Science China Materials, 2020, 63, 100-109.	3.5	26
3083	Removal of naphthalene from simulated wastewater through adsorption-photodegradation by ZnO/Ag/GO nanocomposite. Journal of Industrial and Engineering Chemistry, 2020, 81, 393-404.	2.9	89
3084	Effect of oxygen partial pressure during pulsed laser deposition on the emission of Eu doped ZnO thin films. Physica B: Condensed Matter, 2020, 576, 411713.	1.3	17
3085	Wide spectral photoresponse of template assisted out of plane grown ZnO/NiO composite nanowire photodetector. Nanotechnology, 2020, 31, 025705.	1.3	30
3086	Optical properties of tin oxide nanomaterials. , 2020, , 61-99.		7

#	ARTICLE	IF	CITATIONS
3087	Influence of nickel doping on the energy band gap, luminescence, and magnetic order of spray deposited nanostructured ZnO thin films. <i>Journal of Alloys and Compounds</i> , 2020, 816, 152538.	2.8	48
3088	Structure and morphology of synthesized lanthanum hydroxide [La(OH) ₃] nanocrystalline powders: study on fuel to oxidant ratio. <i>Journal of the Australian Ceramic Society</i> , 2020, 56, 711-720.	1.1	3
3089	Doped ZnO nanostructures with selected elements - Structural, morphology and optical properties: A review. <i>Ceramics International</i> , 2020, 46, 5507-5520.	2.3	102
3090	Structural, magnetic and photoluminescence behavior of Ni/Fe doped ZnO nanostructures prepared by co-precipitation method. <i>Optik</i> , 2020, 202, 163714.	1.4	18
3091	Heterostructured Nanocomposites of Ag Doped Fe ₃ O ₄ Embedded in ZnO for Antibacterial Applications and Catalytic Conversion of Hazardous Wastes. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 1944-1955.	1.9	12
3092	Electrochemical tuning induced oxygen vacancies for the photoluminescence enhancement. <i>Ceramics International</i> , 2020, 46, 4071-4078.	2.3	6
3093	Tuning oxygen vacancies and improving UV sensing of ZnO nanowire by micro-plasma powered by a triboelectric nanogenerator. <i>Nano Energy</i> , 2020, 67, 104210.	8.2	75
3094	Core-shell cobalt particles Co@CoO loaded on nitrogen-doped graphene for photocatalytic water-splitting. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 1629-1639.	3.8	23
3095	High-Efficiency Photo-Generated Charges of ZnO/TiO ₂ Heterojunction Thin Films for Photocatalytic and Antibacterial Performance. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 2214-2222.	0.9	25
3096	Euphorbia milii extract-mediated zinc oxide nanoparticles and their antinociceptive, muscle relaxant, and sedative activities for pain management in pediatric children. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 1297-1303.	1.6	4
3097	Pr doped SnO ₂ nanostructures: Morphology evolution, efficient photocatalysts and fluorescent sensors for the detection of Cd ²⁺ ions in water. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 388, 112144.	2.0	10
3098	Fabrication of Co- and Ce-doped ZnO nanoparticles: a structural, morphological and optical properties investigation. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 1231-1241.	1.6	21
3099	The effect of cobalt and boron on the structural, microstructural, and optoelectronic properties of ZnO nanoparticles. <i>Ceramics International</i> , 2020, 46, 7033-7044.	2.3	23
3100	Mechanisms behind slow photoresponse character of Pulsed Electron Deposited ZnO thin films. <i>Materials Science in Semiconductor Processing</i> , 2020, 107, 104863.	1.9	13
3101	Influence of Au doping concentration on structural and optical properties of ZnO:Au films fabricated through magnetron sputtering. <i>Optical Materials</i> , 2020, 108, 110433.	1.7	7
3102	Defects and dopant alliance towards bound magnetic polarons formation and mixed magnetic characteristics in Fe doped ZnO nanoparticles. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 92, 145-157.	2.9	13
3103	Spin-flop in transition-metal-doped SnO ₂ quantum dots. <i>Materials Chemistry and Physics</i> , 2020, 254, 123537.	2.0	4
3104	Investigation on the photocatalytic and sonophotocatalytic activities of {002} facets of ZnO nanoparticles synthesized through template/surfactant-free hydrothermal method at different temperatures and time durations. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 13817-13837.	1.1	4

#	ARTICLE	IF	CITATIONS
3105	Vitex negundo assisted green synthesis of metallic nanoparticles with different applications: a mini review. <i>Future Journal of Pharmaceutical Sciences</i> , 2020, 6, .	1.1	5
3106	The study of humidity sensor based on Li-doped ZnO nanorods by hydrothermal method. <i>Microsystem Technologies</i> , 2022, 28, 423-427.	1.2	4
3107	ZnO nanorod arrays assembled on activated carbon fibers for photocatalytic degradation: Characteristics and synergistic effects. <i>Chemosphere</i> , 2020, 261, 127731.	4.2	26
3108	Oxygen-Vacancy-Dependent Photocatalysis for the Degradation of MB Dye Using UV Light and Observation of Förster Resonance Energy Transfer (FRET) in PANI-Capped ZnO. <i>Journal of Physical Chemistry C</i> , 2020, 124, 18284-18301.	1.5	23
3109	Role of oxygen vacancies on the green photoluminescence of microwave-assisted grown ZnO nanorods. <i>Journal of Alloys and Compounds</i> , 2020, 849, 156684.	2.8	55
3110	Size-Dependent Biological Activities of Fluorescent Organosilane-Modified Zinc Oxide Nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , 2020, 16, 137-152.	0.5	15
3111	Growth evolution and customized attributes of catalyst-free ZnO nanowires: role of varied Ar/O ₂ flow rate. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 17422-17431.	1.1	0
3112	Pure and cerium-doped zinc oxides: Hydrothermal synthesis and photocatalytic degradation of methylene blue under visible light irradiation. <i>Journal of the Chinese Chemical Society</i> , 2020, 67, 1631-1643.	0.8	9
3113	Pd-Functionalized ZnO:Eu Columnar Films for Room-Temperature Hydrogen Gas Sensing: A Combined Experimental and Computational Approach. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 24951-24964.	4.0	34
3114	Effect of annealing temperature on physical and electrical properties of solution-processed polycrystalline In ₂ Ga ₂ ZnO ₇ thin film. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 9705-9718.	1.1	7
3115	Effects of metal content on electrical and physical properties in solution-processed IGZO thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	4
3116	Sn-Ga co-doping in sol-gel derived ZnO thin films: Studies of their microstructural, optical, luminescence and electrical properties. <i>Materials Science in Semiconductor Processing</i> , 2020, 118, 105178.	1.9	32
3117	Influence of high gamma radiation on the optical and photoluminescence characteristics of ZnO thin films. <i>Radiation Effects and Defects in Solids</i> , 2020, 175, 791-808.	0.4	3
3118	Self-activated luminescence in AZn ₄ (BO ₃) ₃ (A = K, Rb, Cs) and oxygen-defects-related photoluminescence tuning. <i>Journal of Solid State Chemistry</i> , 2020, 288, 121408.	1.4	10
3119	Effect of multiple-step annealing on the structural, optical and electrical properties of ZnO:In-N films. <i>Applied Surface Science</i> , 2020, 527, 146933.	3.1	2
3120	Interface confinement on the exciton recombination in thin CdS/ZnO shell/core nanowires. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	0
3121	Zinc interstitial and oxygen vacancy mediated high Curie-temperature ferromagnetism in Ag-doped ZnO. <i>Ceramics International</i> , 2020, 46, 18639-18647.	2.3	25
3122	Temperature-dependent photoluminescence of Li-doped ZnO. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 10521-10530.	1.1	10

#	ARTICLE	IF	CITATIONS
3123	Green Synthesis and Characterization of Zinc Oxide Nanoparticles Using Eucalyptus globules and Their Fungicidal Ability Against Pathogenic Fungi of Apple Orchards. <i>Biomolecules</i> , 2020, 10, 425.	1.8	90
3124	Low temperature combustion synthesis and photoluminescence mechanism of ZnO/ZnAl ₂ O ₄ composite phosphors. <i>Optik</i> , 2020, 208, 164526.	1.4	9
3125	Photocatalytic degradation and photo-generated hydrophilicity of Methylene Blue over ZnO/ZnCr ₂ O ₄ nanocomposite under stimulated UV light irradiation. <i>Inorganic Chemistry Communication</i> , 2020, 115, 107889.	1.8	38
3126	Effect of Mn/Cu co-doping on the structural, optical and photocatalytic properties of ZnO nanorods. <i>Journal of Molecular Structure</i> , 2020, 1212, 128071.	1.8	14
3127	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.	1.1	47
3128	Vertically Coupling ZnO Nanorods onto MoS ₂ Flakes for Optical Gas Sensing. <i>Chemosensors</i> , 2020, 8, 19.	1.8	14
3129	Barium-Doped Zinc Oxide Thin Films as Highly Efficient and Reusable Photocatalysts. <i>ChemistrySelect</i> , 2020, 5, 2824-2834.	0.7	13
3130	Effects of Experimental Configuration on the Morphology of Two-Dimensional ZnO Nanostructures Synthesized by Thermal Chemical-Vapor Deposition. <i>Crystals</i> , 2020, 10, 517.	1.0	12
3131	Morphological and Optical Properties of Cobalt Ion-Modified ZnO Nanowires. <i>Catalysts</i> , 2020, 10, 614.	1.6	2
3132	Strategy to modify intrinsic luminescence via post-annealing treatment and impurity doping in SbNb ₃ (PO ₄) ₆ . <i>Journal of Alloys and Compounds</i> , 2020, 844, 156195.	2.8	4
3133	Deposition and properties of ZnSiO ₃ -containing zinc oxide thin films reactively sputtered at room temperature. <i>Thin Solid Films</i> , 2020, 709, 138218.	0.8	4
3134	Monitoring the charge-transfer process in a Nd-doped semiconductor based on photoluminescence and SERS technology. <i>Light: Science and Applications</i> , 2020, 9, 117.	7.7	111
3135	Cathodoluminescent screen imaging system for seeded blob detection in toroidal plasma experiment. <i>Review of Scientific Instruments</i> , 2020, 91, 053501.	0.6	0
3136	Schottky Contacts on Polarity-Controlled Vertical ZnO Nanorods. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 13217-13228.	4.0	14
3137	Characterization and device application of indium doped ZnO homojunction prepared by RF magnetron sputtering. <i>Optical Materials</i> , 2020, 101, 109723.	1.7	45
3138	Broadband Tunable Mid-infrared Plasmon Resonances in Cadmium Oxide Nanocrystals Induced by Size-Dependent Nonstoichiometry. <i>Nano Letters</i> , 2020, 20, 2821-2828.	4.5	29
3139	Facile synthesis and properties of chromium-doped cobalt oxide (Cr-doped Co ₃ O ₄) nanostructures for supercapacitor applications. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 1481-1488.	1.6	39
3140	Realization of Excitation Wavelength Independent Blue Emission of ZnO Quantum Dots with Intrinsic Defects. <i>ACS Photonics</i> , 2020, 7, 723-734.	3.2	29

#	ARTICLE	IF	CITATIONS
3141	Effect of nitrogen ion irradiation treatment to the enhancement of ZnO photocatalytic performance. <i>Surface and Interface Analysis</i> , 2020, 52, 348-354.	0.8	4
3142	Loading of Zn/ZnO particles in the precursor feedstock affects the characteristics of liquid plasma sprayed nano-ZnO coatings for photocatalytic applications. <i>Nanotechnology</i> , 2020, 31, 185301.	1.3	5
3143	Fabrication of vertically aligned ferromagnetic ZnO nanopillar arrays on sapphire substrates by polymer-assisted deposition. <i>AIP Advances</i> , 2020, 10, 015337.	0.6	3
3144	W-doped NiO as a material for selective resistive ethanol sensors. <i>Sensors and Actuators B: Chemical</i> , 2020, 308, 127668.	4.0	45
3145	Solution processed graphene quantum dots decorated ZnO nanoflowers for mediating photoluminescence. <i>Applied Surface Science</i> , 2020, 510, 145407.	3.1	10
3146	Supercritical CO ₂ -induced nondestructive coordination between ZnO nanoparticles and aramid fiber with highly improved interfacial-adhesion properties and UV resistance. <i>Applied Surface Science</i> , 2020, 521, 146430.	3.1	35
3147	Effect of copper doped on the physio-chemical properties of tin dioxide nanostructures. <i>Materials Today: Proceedings</i> , 2020, 33, 3143-3147.	0.9	0
3148	Structural modulation induced intensity enhancement of full color spectra: a case of Ba ₃ ZnTa ₂ xNb _x O ₉ :Eu ³⁺ phosphors. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6715-6723.	2.7	15
3149	Bright red luminescence emission of macroporous honeycomb-like Eu ³⁺ ion-doped ZnO nanoparticles developed by gel-combustion technique. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	23
3150	Hog plum (<i>spondias mombin</i>) assisted ZnO nanoparticles synthesis: Characterization and its impact on the performance of dye-sensitized solar cells. <i>Materials Today: Proceedings</i> , 2021, 37, 434-439.	0.9	3
3151	Synthesis of CuO samples by co-precipitation and green mediated combustion routes: Comparison of their structural, optical properties, photocatalytic, antibacterial, haemolytic and cytotoxic activities. <i>Ceramics International</i> , 2021, 47, 10355-10369.	2.3	25
3152	Photoluminescence and dielectric properties of (Al/Cu) and (In/Cu) co-doped ZnO sprayed thin films under the oxygen deficiency conditions. <i>Superlattices and Microstructures</i> , 2021, 150, 106731.	1.4	6
3153	Al/F codoping effect on the structural, electrical, and optical properties of ZnO films grown via atomic layer deposition. <i>Applied Surface Science</i> , 2021, 535, 147734.	3.1	21
3154	Structural, morphological and optical characterization of ZnO nanoparticles prepared by cashew apple as a fuel. <i>Materials Today: Proceedings</i> , 2021, 37, 638-642.	0.9	1
3155	Pyro-phototronic application in the Au/ZnO interface for the fabrication of a highly responsive ultrafast UV photodetector. <i>Applied Surface Science</i> , 2021, 537, 147893.	3.1	39
3156	Effect of cerium ions in Ce-Doped ZnO nanostructures on their photocatalytic and picric acid chemical sensing. <i>Ceramics International</i> , 2021, 47, 3089-3098.	2.3	33
3157	Effect of ultraviolet radiation exposure on optical nonlinearity and switching traits of SnO ₂ thin films deposited by thermal evaporation. <i>Optics and Laser Technology</i> , 2021, 133, 106575.	2.2	7
3158	Growth of ZnO nanostructures: Cones, rods and hallow-rods, by microwave assisted wet chemical growth and their characterization. <i>Ceramics International</i> , 2021, 47, 5300-5310.	2.3	6

#	ARTICLE	IF	CITATIONS
3159	Growth and luminescence characteristics of zinc oxide thin films deposited by ALD technique. Journal of Luminescence, 2021, 233, 117797.	1.5	12
3160	ZnO-CeO ₂ nanocomposites: Synthesis, characterization and evaluation of their action on polluting gases emitted by motorcycles. Journal of Environmental Chemical Engineering, 2021, 9, 104890.	3.3	6
3161	Synthesis and characterization of near UV excitable Y ₂ O ₃ :Eu ³⁺ entrapped ZnO for white light emitting diode applications. Journal of Solid State Chemistry, 2021, 293, 121739.	1.4	13
3162	Tuning the structure, morphological variations, optical and magnetic properties of SnO ₂ /NiFe ₂ O ₄ nanocomposites for promising applications. Vacuum, 2021, 185, 110003.	1.6	15
3163	Sol-gel-derived transparent metal oxide flexible field effect transistors. Environmental Science and Pollution Research, 2021, 28, 3928-3941.	2.7	3
3164	An explicit and novel structure, lattice dynamics, and photoemission of La-doped nanocrystalline SrZrO ₃ perovskite. Rare Metals, 2021, 40, 105-112.	3.6	7
3165	Synthesis of Advanced Materials by Electrochemical Methods. Indian Institute of Metals Series, 2021, , 435-466.	0.2	2
3166	Surface and interface effects: properties of nanostructured ZnO. , 2021, , 253-287.		1
3167	Electrospun zinc oxide nanofibers for UV sensing with quartz crystal microbalance technique. International Journal of Modern Physics B, 2021, 35, 2150042.	1.0	2
3168	Antibacterial and photocatalytic activity of ZnO, SnO ₂ and Zn ₂ SnO ₄ nanoparticles prepared by Microwave assisted method. Materials Technology, 2022, 37, 717-727.	1.5	6
3169	Sol-gel derived Al-doped ZnO nanoplates: Structural and optical properties. Materials Today: Proceedings, 2021, 46, 2197-2200.	0.9	6
3170	Role of oxygen vacancy in metal oxide based photoelectrochemical water splitting. EcoMat, 2021, 3, e12075.	6.8	65
3171	General introduction of zinc oxide nanomaterials. , 2021, , 1-19.		1
3172	Photocatalysis by zinc oxide-based nanomaterials. , 2021, , 393-457.		6
3173	Enhanced photosensing by Mg-doped ZnO hexagonal rods via a feasible chemical route. Journal of Materials Science: Materials in Electronics, 2021, 32, 6475-6486.	1.1	10
3174	Optical, photoluminescence and ferromagnetic properties of Ni-doped ZnO for optoelectronic applications. Journal of Materials Science: Materials in Electronics, 2021, 32, 5186-5198.	1.1	15
3175	Green synthesis and characterization of biocompatible zinc oxide nanoparticles and evaluation of its antibacterial potential. Sensing and Bio-Sensing Research, 2021, 31, 100399.	2.2	72
3176	ZnO Nanorod/Graphene Hybrid-Structures Formed on Cu Sheet by Self-Catalyzed Vapor-Phase Transport Synthesis. Nanomaterials, 2021, 11, 450.	1.9	3

#	ARTICLE	IF	CITATIONS
3178	Defect-mediated photoluminescence enhancement in ZnO/ITO via MeV Cu ⁺⁺ ion irradiation. Applied Radiation and Isotopes, 2021, 169, 109461.	0.7	1
3179	Visible-Light-Responsive Photocatalytic Activity Significantly Enhanced by Active [<i>V</i> _{Zn} + <i>V</i> _O ^{b+}] Defects in Self-Assembled ZnO Nanoparticles. Inorganic Chemistry, 2021, 60, 4475-4496.	1.9	44
3180	Measurement and analysis of photoluminescence in GaN. Journal of Applied Physics, 2021, 129, .	1.1	72
3181	Influence of concentration and annealing temperature on spin-coated metal oxide thin films for optoelectronic devices. Journal of Materials Science: Materials in Electronics, 2021, 32, 10028-10048.	1.1	7
3182	Magnetic properties of (Mn, Al) doped SnO ₂ nanoparticles: synthesis and characterization. Journal of Materials Science: Materials in Electronics, 2021, 32, 8195-8204.	1.1	3
3183	Investigation on microstructure, energy gap, photoluminescence and magnetic studies of Co and Cu in situ doped ZnO nanostructures. Journal of Materials Science: Materials in Electronics, 2021, 32, 9702-9720.	1.1	3
3184	Visible-light-driven photocatalysis of anisotropic silver nanoparticles decorated on ZnO nanorods: Synthesis and characterizations. Journal of Environmental Chemical Engineering, 2021, 9, 105103.	3.3	57
3185	Influence of MCCA on structure and photoluminescence of Eu ²⁺ doped BaMgAl ₁₀ O ₁₇ nanophosphor for use in active displays. Chemical Physics Letters, 2021, 769, 138410.	1.2	1
3186	Study of the Effect of Annealing Temperature on the Response of Nano-Films of ZnO to Ammonia Gas Sensor. Journal of Physics: Conference Series, 2021, 1854, 012008.	0.3	1
3187	Electrical, photoluminescence and optical investigation of ZnO nanoparticles sintered at different temperatures. Optical and Quantum Electronics, 2021, 53, 1.	1.5	9
3188	Formation of liquid phase and nanostructures in flash sintered ZnO. Scripta Materialia, 2021, 195, 113719.	2.6	13
3189	Defect species in Ga-doped ZnO films characterized by photoluminescence. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2021, 39, 033411.	0.9	1
3190	Phosphorus doping of ZnO using spin-on dopant process: A better choice than costly and destructive ion-implantation technique. Journal of Luminescence, 2021, 233, 117921.	1.5	11
3191	Optical and electrical correlation effects in ZnO nanostructures: Role of pulsed laser annealing. Optical Materials, 2021, 115, 111028.	1.7	5
3192	The Comprehensive study of Titanium oxide doped Conducting polymers nanocomposites for Photovoltaic applications. Polymer-Plastics Technology and Materials, 0, , 1-10.	0.6	1
3193	Influence of defects on the structural, optical, photoluminescence and magnetic properties of Cr/Mn dual doped ZnO nanostructures. Chemical Physics Impact, 2021, 2, 100019.	1.7	13
3194	Hybrid inorganic-organic light-emitting heterostructure devices based on ZnO. Optics and Laser Technology, 2021, 138, 106896.	2.2	15
3195	Comprehensive study to ascertain the effect of MnO ₂ loading on supercapacitive properties of conducting polymers. International Journal of Polymer Analysis and Characterization, 2021, 26, 593-603.	0.9	2

#	ARTICLE	IF	CITATIONS
3196	Structural Behavior and Spin-State Features of BaAl ₂ O ₄ Scaled through Tuned Co ³⁺ Doping. <i>Inorganic Chemistry</i> , 2021, 60, 8475-8488.	1.9	2
3197	Structural, optical, antimicrobial and ferromagnetic properties of Zn ^{1-x} LaxO nanorods synthesized by chemical route. <i>Journal of Alloys and Compounds</i> , 2021, 865, 158937.	2.8	20
3198	Effects of Surface States on the Green Luminescence in ZnO. <i>Physica Status Solidi (B): Basic Research</i> , 2021, 258, 2100024.	0.7	2
3199	Influence of reaction temperature on the physicochemical characteristics of tin oxide nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 19594-19604.	1.1	3
3200	Excitonic properties of layer-by-layer CVD grown ZnO hexagonal microdisks. <i>Nanotechnology</i> , 2021, 32, 415601.	1.3	5
3202	High photoresponse of gold nanorods/zinc oxide photodetector using localised surface plasmon resonance. <i>Sensors and Actuators A: Physical</i> , 2021, 326, 112714.	2.0	2
3203	Amelioration of oxidative stress, inflammation and tumor promotion by Tin oxide-Sodium alginate-Polyethylene glycol-Allyl isothiocyanate nanocomposites on the 1,2-Dimethylhydrazine induced colon carcinogenesis in rats. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103238.	2.3	13
3204	Defect engineering of ZnO: Review on oxygen and zinc vacancies. <i>Journal of the European Ceramic Society</i> , 2021, 41, 4977-4996.	2.8	107
3205	SnO ₂ Nanoparticles Decorated on Graphitic Carbon Nitride as S-Scheme Photocatalysts for Activation of Peroxymonosulfate. <i>ACS Applied Nano Materials</i> , 2021, 4, 9333-9343.	2.4	24
3206	Optical and radioluminescence properties of ZnO:Zn as a function of reduction degree and treatment temperature. <i>Journal of Applied Physics</i> , 2021, 130, 085104.	1.1	0
3207	Influence of Ce ³⁺ Modification on Physicochemical Characteristics of SnO ₂ Nanoparticles. <i>Journal of Electronic Materials</i> , 2021, 50, 6344-6352.	1.0	2
3208	Impact of improvements in ZnO thin film solution process on ZnO/Cu ₂ O solar cell performance. <i>Superlattices and Microstructures</i> , 2021, 156, 106948.	1.4	12
3209	Nanoscale design of 1D metal oxides derived from mixed Ni-MH battery/transition metal dust. <i>Journal of Hazardous Materials</i> , 2021, 415, 125645.	6.5	9
3210	Synthesis & thermoluminescence characteristics & structural and optical studies of ZnO/Ag/ZnO system for dosimetric applications. <i>Journal of Luminescence</i> , 2021, 236, 118097.	1.5	11
3211	Efficacy of Ion Implantation in Zinc Oxide for Optoelectronic Applications: A Review. <i>ACS Applied Electronic Materials</i> , 2021, 3, 3693-3714.	2.0	26
3212	A review on defect related emissions in undoped ZnO nanostructures. <i>Materials Today: Proceedings</i> , 2022, 48, 1320-1324.	0.9	10
3213	Role of hydrogen species in promoting photoluminescence from Eu ³⁺ -doped ZnO thin films via bandgap excitation. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2021, 39, 053401.	0.9	2
3214	Nano/Micro-Structured ZnO Rods Synthesized by Thermal Chemical Vapor Deposition with Perpendicular Configuration. <i>Nanomaterials</i> , 2021, 11, 2518.	1.9	4

#	ARTICLE	IF	CITATIONS
3215	Single-Atom Pt Loaded Zinc Vacancies ZnO/ZnS Induced Type-II Electron Transport for Efficiency Photocatalytic H ₂ Evolution. Solar Rrl, 2021, 5, 2100536.	3.1	153
3216	Fabrication of ZnO Ceramics with Defects by Spark Plasma Sintering Method and Investigations of Their Photoelectrochemical Properties. Nanomaterials, 2021, 11, 2506.	1.9	8
3217	Synthesis of LaPO ₄ :Eu nanofibers with enhanced photoluminescence quantum yield. Journal of Alloys and Compounds, 2021, 879, 160477.	2.8	7
3218	Structural, energy gap tuning, photoluminescence and magnetic properties of Sn-doped Zn _{0.96} Ni _{0.04} O nanostructures. Journal of Luminescence, 2021, 238, 118258.	1.5	5
3219	Rational design of novel three-dimensional reticulated Ag ₂ O/ZnO Z-scheme heterojunction on Ni foam for promising practical photocatalysis. Science of the Total Environment, 2021, 793, 148519.	3.9	35
3220	The role of sulfate ions on distinctive defect emissions in ZnO:Ce ³⁺ nanophosphors - A study on the application in color display systems. Journal of Luminescence, 2021, 240, 118462.	1.5	10
3221	SnO ₂ nanoparticles based highly sensitive gas sensor for detection of C ₄ F ₇ N: A new eco-friendly gas insulating medium. Journal of Hazardous Materials, 2022, 422, 126882.	6.5	34
3222	Synthesis and tuning the structure, morphological, optical, and photoluminescence properties of heterostructure cerium oxide and tin oxide nanocomposites. Journal of Luminescence, 2022, 241, 118450.	1.5	7
3223	Enhancing Photocatalytic Activity of ZnO Nanoparticles in a Circulating Fluidized Bed with Plasma Jets. Catalysts, 2021, 11, 77.	1.6	11
3224	Micro structural, photoluminescence and dielectric properties of nano crystalline ZnO powder synthesized via surfactant assisted sol-gel technique. AIP Conference Proceedings, 2021, , .	0.3	0
3225	Preferential killing of bacterial cells by surface-modified organosilane-treated ZnO quantum dots synthesized through a co-precipitation method. New Journal of Chemistry, 2021, 45, 12986-12995.	1.4	6
3226	One-dimensional (1D) nanomaterials: Nanorods and nanowires; nanoscale processing. , 2021, , 71-101.		10
3227	Zinc nanomaterials: Synthesis, antifungal activity, and mechanisms. , 2021, , 139-165.		0
3228	Preparation of cellulose-ZnO hybrid films by a wet chemical method and their characterization. Cellulose, 2011, 18, 675-680.	2.4	29
3229	Development of CL for Semiconductor Research, Part II: Cathodoluminescence Study of Semiconductor Nanoparticles and Nanostructures Using Low-Electron-Beam Energies. Lecture Notes in Physics, 2002, , 52-60.	0.3	5
3230	Controlled Growth and Optical Properties of Zinc Oxide Nanostructures. , 2003, , 139-156.		1
3231	Doping Aspects of Zn-Based Wide-Band-Gap Semiconductors. , 2006, , 843-854.		5
3233	Hydrothermal Growth and Characterization of ZnO Nanomaterials. Environmental Science and Engineering, 2014, , 607-610.	0.1	2

#	ARTICLE	IF	CITATIONS
3234	Zinc Oxide: The Versatile Material with an Assortment of Physical Properties. Springer Series in Materials Science, 2014, , 1-38.	0.4	4
3235	Investigations on Rare Earth Activated ZnO Nanoparticles Reinforcement in Polymer Matrix for 3D Printing Application. , 2020, , .		1
3236	Luminescence in Cu-implanted ZnO thin films. Applied Surface Science, 2004, 237, 358-362.	3.1	6
3238	Visible light sensitive Cu doped ZnO: Facile synthesis, characterization and high photocatalytic response. Materials Characterization, 2020, 165, 110387.	1.9	85
3239	Improving performance of perovskite solar cells based on ZnO nanorods via rod-length control and sulfidation treatment. Materials Science in Semiconductor Processing, 2020, 117, 105205.	1.9	22
3240	Effect of calcination temperature on performance of ZnO nanoparticles for dye-sensitized solar cells. Powder Technology, 2018, 329, 282-287.	2.1	36
3242	Identification and Characterization of Active Sites and Their Catalytic Processes of the Cu/ZnO Methanol Catalyst. , 2003, 24, 161.		1
3243	Activating ZnO nanorods photoanodes in visible light by CdS surface sensitizer. Micro and Nano Letters, 2019, 14, 941-946.	0.6	4
3244	Octahedral distortion and oxygen vacancies induced band-gap narrowing and enhanced visible light absorption of Co/Fe co-doped Bi _{3.25} Nd _{0.75} Ti ₃ O ₁₂ ferroelectrics for photovoltaic applications. Journal Physics D: Applied Physics, 2020, 53, 465106.	1.3	15
3245	First-principles calculations of optical transitions at native defects and impurities in ZnO. , 2018, , .		1
3246	Intense Green Cathodoluminescence from Low-Temperature-Deposited ZnO Film with Fluted Hexagonal Cone Nanostructures. Applied Physics Express, 2009, 2, 091601.	1.1	18
3247	NO ₂ sensing properties of WO ₃ -decorated In ₂ O ₃ nanorods and In ₂ O ₃ -decorated WO ₃ nanorods. Nano Convergence, 2019, 6, 40.	6.3	26
3248	Photoluminescence Properties of ZnO and ZnCdO Nanowires. Acta Physica Polonica A, 2007, 112, 357-362.	0.2	5
3249	Catalyst-Free Growth of Magnesium Oxide Whiskers and Their Characteristics. Acta Physica Polonica A, 2008, 113, 1021-1024.	0.2	5
3250	Photoluminescence Properties of ZnO Nanowires Grown on Ni Substrate. Acta Physica Polonica A, 2008, 114, 1451-1456.	0.2	5
3251	Physical Properties of ZnCoO Tetrapods and Nanofibers. Acta Physica Polonica A, 2009, 116, 868-870.	0.2	2
3252	Optical Investigation of ZnO Nanowires. Acta Physica Polonica A, 2010, 117, 369-373.	0.2	3
3253	Fabrication, Structural Characterization and Optical Properties of the Flower-Like ZnO Nanowires. Acta Physica Polonica A, 2010, 117, 512-517.	0.2	5

#	ARTICLE	IF	CITATIONS
3254	Synthesis and Characterization of ZnO Nanostructures by Polymeric Precursor Route. <i>Acta Physica Polonica A</i> , 2012, 121, 98-100.	0.2	16
3255	Effect of Mn Doping on the Structural, Optical and Magnetic Properties of SnO ₂ Nanoparticles. <i>Acta Physica Polonica A</i> , 2015, 127, 1656-1661.	0.2	16
3256	Solvents effect of quantum sized SnO ₂ nanoparticles via solvothermal process and optical properties. <i>Material Science Research India</i> , 2010, 7, 389-397.	0.9	4
3257	Relationships of surface oxygen vacancies with photoluminescence and photocatalytic performance of ZnO nanoparticles. <i>Science in China Series B: Chemistry</i> , 2005, 48, 25.	0.8	8
3258	Enhanced ultraviolet electroluminescence from ZnO nanoparticles via decoration of partially oxidized Al layer. <i>Optics Express</i> , 2020, 28, 2799.	1.7	9
3259	Removal of Micrometer Size Morphological Defects and Enhancement of Ultraviolet Emission by Thermal Treatment of Ga-Doped ZnO Nanostructures. <i>PLoS ONE</i> , 2014, 9, e86418.	1.1	10
3260	Possibility of Shape Control of ZnO Nanostructures Grown by Atmospheric-pressure CVD Utilizing Catalytic Materials. <i>E-Journal of Surface Science and Nanotechnology</i> , 2009, 7, 78-83.	0.1	5
3261	A direct-current-driven inorganic electroluminescent device using a rare-earth doped ZnO layer. <i>Transactions of the Materials Research Society of Japan</i> , 2013, 38, 525-528.	0.2	2
3262	Obtaining of ZnSe nanocrystals from ZnSe bulk crystals by mechanical milling and chemical vapor deposition in silica matrices. <i>Functional Materials</i> , 2017, 23, 011-015.	0.4	1
3263	Catalytic Growth of Semiconducting ZnO Nanowires by Reactive Evaporation Process. <i>Materials Research Society Symposia Proceedings</i> , 2003, 776, 7101.	0.1	2
3264	Elongated Wire-Like Zinc Oxide Nanostructures Synthesized from Metallic Zinc. <i>Eurasian Chemico-Technological Journal</i> , 2015, 15, 19.	0.3	2
3265	Organic Solvent Assisted Growth of Flower-like ZnO for Enhanced Photocatalytic Activities. <i>Current Nanoscience</i> , 2013, 9, 335-340.	0.7	6
3266	Comparison of two innovative precipitation systems for ZnO and Al-doped ZnO nanoparticle synthesis. <i>Processing and Application of Ceramics</i> , 2010, 4, 107-114.	0.4	13
3267	Influence of Cationic Surfactant and Temperature on the Growth of ZnO Nanoparticles. <i>Tenside, Surfactants, Detergents</i> , 2018, 55, 188-195.	0.5	3
3268	Photoluminescence of ZnO Nanowires: A Review. <i>Nanomaterials</i> , 2020, 10, 857.	1.9	231
3269	Assembling ZnO Nanorods into Microflowers through a Facile Solution Strategy: Morphology Control and Cathodoluminescence Properties. , 2012, 4, 45.		5
3270	Synthesis and Characterization of Rare Earth Ion Doped Nano ZnO. , 2012, 4, 65.		5
3271	The Effect of Growth Temperatures on Structural, Morphological and Optical Properties of Sprayed ZnO Thin Films. <i>Asian Journal of Scientific Research</i> , 2012, 5, 238-246.	0.3	3

#	ARTICLE	IF	CITATIONS
3272	Effect of Water Content on the Morphology of ZnO Powders Synthesized in Binary Solvent Mixtures by Glycol Process. Journal of the Korean Ceramic Society, 2017, 54, 211-216.	1.1	2
3273	Effective Oxygen-Defect Passivation in ZnO Thin Films Prepared by Atomic Layer Deposition Using Hydrogen Peroxide. Journal of the Korean Ceramic Society, 2019, 56, 302-307.	1.1	4
3274	Resistivity Stability of Ga Doped ZnO Thin Films with Heat Treatment in Air and Oxygen Atmospheres. Journal of Crystallization Process and Technology, 2012, 02, 72-79.	0.6	45
3275	Photoluminescence Studies of ZnO, ZnO:Eu and ZnO:Eu Nanoparticles Covered with Y₂O₃ Matrix. Materials Sciences and Applications, 2015, 06, 269-278.	0.3	1
3276	Structural and Optical Properties of Cu²⁺ + Ce³⁺ Co-Doped ZnO by Solution Combustion Method. World Journal of Condensed Matter Physics, 2016, 06, 300-309.	1.1	3
3277	Sensing Properties of Ga-doped ZnO Nanowire Gas Sensor. Transactions on Electrical and Electronic Materials, 2015, 16, 78-81.	1.0	7
3278	Comparison of Ga-doped and Ag-doped ZnO Nanowire Gas-sensor Sensitivity and Selectivity. Transactions on Electrical and Electronic Materials, 2015, 16, 334-337.	1.0	1
3279	Fabrication of Diameter-tunable Well-aligned ZnO Nanorod Arrays via a Sonochemical Route. Bulletin of the Korean Chemical Society, 2007, 28, 1457-1462.	1.0	7
3280	Laser Ablation of a ZnO:P₂O₅ Target under the Presence of a Transverse Magnetic Field. Bulletin of the Korean Chemical Society, 2010, 31, 798-802.	1.0	3
3281	Growth and Characterization of Conducting ZnO Thin Films by Atomic Layer Deposition. Bulletin of the Korean Chemical Society, 2010, 31, 2503-2508.	1.0	64
3282	Photoluminescence in MgO-ZnO Nanorods Enhanced by Hydrogen Plasma Treatment. Bulletin of the Korean Chemical Society, 2013, 34, 3367-3371.	1.0	1
3283	Synthesis, Structural Characterization, and Catalytic Activity of Flower Like ZnO Nanostructures. Bulletin of the Korean Chemical Society, 2014, 35, 1091-1097.	1.0	3
3284	Preparation and characterization of Ce-doped ZnO nanofibers by an electrospinning method. Journal of Analytical Science and Technology, 2011, 2, 165-170.	1.0	1
3285	Synthesis and Characterization of Ni Doped ZnO Nanoparticles. International Journal of Engineering and Manufacturing, 2014, 4, 10-17.	0.5	9
3287	Photoluminescence and Raman properties of Sb-doped ZnO thin film. Wuli Xuebao/Acta Physica Sinica, 2012, 61, 247701.	0.2	4
3288	Ferromagnetism of Zn _{0.97} Cr _{0.03} O synthesized by PLD. Wuli Xuebao/Acta Physica Sinica, 2014, 63, 077102.	0.2	3
3289	Optical properties of Ti/TiO ₂ capped Tb ³⁺ -doped ZnO nanofibers. Wuli Xuebao/Acta Physica Sinica, 2014, 63, 186801.	0.2	1
3290	UV Photodetectors Based on ZnO Nanorods: Role of Defect-Concentration. Japanese Journal of Applied Physics, 2011, 50, 100206.	0.8	4

#	ARTICLE	IF	CITATIONS
3291	Optical Properties of ZnO Soccer-Ball Structures Grown by Vapor Phase Transport. Japanese Journal of Applied Physics, 2012, 51, 021102.	0.8	4
3292	Structural and Luminescence Properties of Highly Crystalline ZnO Nanoparticles Prepared by Sol-Gel Method. Japanese Journal of Applied Physics, 2012, 51, 04DG13.	0.8	9
3293	Characterization of ZnO Tetrapods Prepared by a Simple Oxidation of Zn Plate in Air Atmosphere. Japanese Journal of Applied Physics, 2012, 51, 06FG01.	0.8	2
3294	Effect of Additive Ammonium Hydroxide on ZnO Particle Properties Synthesized by Facile Glycol Process. Korean Journal of Materials Research, 2021, 31, 481-487.	0.1	0
3295	Mesoporous TiO ₂ Implanted ZnO QDs for the Photodegradation of Tetracycline: Material Design, Structural Characterization and Photodegradation Mechanism. Catalysts, 2021, 11, 1205.	1.6	6
3296	Solvent-dependent tuning of blue-green emission of chemically synthesized ZnO nanomaterials with high colour purity and electroluminescence efficiency. Journal of Materials Science: Materials in Electronics, 0, , 1.	1.1	0
3297	Fabrication of Cu/ZnO system: A dual performer as photocatalyst and luminescent material. Inorganic Chemistry Communication, 2021, 134, 109022.	1.8	6
3298	Tailoring the properties of tin dioxide thin films by spray pyrolysis technique. Optical Materials, 2021, 122, 111653.	1.7	1
3299	Oxide Nanowires and Nanolasers. , 2003, , 21-44.		0
3301	Low Temperature Deposition of Zinc Oxide Films. Materials Research Society Symposia Proceedings, 2003, 763, 5161.	0.1	1
3302	Effect of Si Layer in The ZnO Thin Films by Pulsed Laser Deposition. Materials Research Society Symposia Proceedings, 2003, 764, 1.	0.1	0
3303	Growth of ZnO Nanorod Using VS Method. Korean Journal of Materials Research, 2003, 13, 668-672.	0.1	1
3304	Fabrication of 2-Dimensional ZnO Nanowall Structure. Journal of the Korean Ceramic Society, 2005, 42, 521-524.	1.1	2
3305	Morphological and Optical Characterization of Post-annealed ZnO Films prepared by Sol-Gel Method. Transactions of the Materials Research Society of Japan, 2007, 32, 1247-1250.	0.2	0
3306	Localized luminescence of zinc oxide nanostructures. SPIE Newsroom, 2008, , .	0.1	0
3307	Effect of Ga-doping on the properties of ZnO films grown on glass substrate at room temperature by radio frequency magnetron sputtering. Applied Science and Convergence Technology, 2008, 17, 40-45.	0.3	0
3308	NANOFABRICATION BASED ON SELF-ASSEMBLED ALUMINA TEMPLATES. , 2008, , 159-186.		1
3310	Selected High-Impact Journal Articles on Defects in Microelectronic Materials and Devices. , 2008, , .		2

#	ARTICLE	IF	CITATIONS
3311	Enhanced UV-Light Emission in ZnO/ZnS Quantum Dot Nanocrystals. Korean Journal of Materials Research, 2008, 18, 640-644.	0.1	1
3312	Influence of Heat Treatment Temperature and of Sb ₂ O ₃ addition on Photoluminescence Properties of ZnO Ceramics Prepared by Sol-Gel Technique Preparation. Engineering, 2010, 02, 969-972.	0.4	0
3313	Characterization of ZnO Nanostructures Synthesized through a Thermal Oxidation of Zn-C Mixture in Air. Japanese Journal of Applied Physics, 2011, 50, 01BJ14.	0.8	0
3314	Modification at Lattice Scale for an Optimized Optical Response of Al _x Zn _{1-x} (ZnO) Nanostructures. World Journal of Nano Science and Engineering, 2011, 01, 15-19.	0.3	0
3315	Sensing Characteristics of ZnO-based Ethanol Gas Sensor on Ga-doped Nanowires by Hot Walled Pulsed Laser Deposition. Journal of the Korean Institute of Electrical and Electronic Material Engineers, 2011, 24, 594-598.	0.0	0
3316	Synthesis, characterization and growth mechanism of ZnO micropisms over Ce(NO ₃) ₃ -coated Si substrates. EPJ Applied Physics, 2011, 55, 10801.	0.3	0
3317	High-quality ZnO nanowire arrays directly synthesized from Zn vapor deposition without catalyst. Journal of the Korean Crystal Growth and Crystal Technology, 2011, 21, 137-146.	0.3	0
3318	Study on the deposition of aluminum-doped zinc oxide films using direct-current pulse magnetron reactive sputtering technique. Wuli Xuebao/Acta Physica Sinica, 2012, 61, 036104.	0.2	6
3319	Surface States Effect on the Large Photoluminescence Redshift in GaN Nanostructures. , 2013, , .		1
3320	Auger-type Hole Trapping Process at Green Emission Centers of ZnO Nanowires. , 2013, , .		0
3321	Different morphologies of three dimensional ZnO structures synthesized by thermal evaporation method without a catalyst. Journal of the Korean Crystal Growth and Crystal Technology, 2013, 23, 8-13.	0.3	1
3322	Time and Spatially Resolved Luminescence Spectroscopy of ZnO Nanostructures. Springer Series in Materials Science, 2014, , 195-216.	0.4	0
3324	Effect of Oxygen Pressure in the Synthesis of ZnO Nanowires through Melt Oxidation of Al-Zn Mixture. Korean Journal of Materials Research, 2014, 24, 301-304.	0.1	0
3325	Effect of Mn on the Growth of ZnO Crystals via a Thermal Evaporation of Zn-Mn Mixture. Journal of the Korean Institute of Electrical and Electronic Material Engineers, 2014, 27, 443-447.	0.0	0
3326	Nitrogen Doping Characterization of ZnO Prepared by Atomic Layer Deposition. Journal of the Korean Institute of Electrical and Electronic Material Engineers, 2014, 27, 642-647.	0.0	0
3327	Morphological Changes and Enhancement of Ultraviolet Emission by Subsequent Thermal Treatment of Ga-Doped ZnO Nanostructures. Acta Physica Polonica A, 2015, 127, 910-913.	0.2	0
3328	Growth Mechanism and Characterization of ZnO Radial Microspheres and Comb-Like Microbelts. Material Sciences, 2017, 07, 371-376.	0.0	0
3329	Enhanced Photocatalytic Performance of ZnO Loaded Cotton Stalk Activated Carbon Composite on MB and RHB Dyes Under Sunlight Irradiation. International Journal for Research in Applied Science and Engineering Technology, 2017, V, 1840-1849.	0.1	0

#	ARTICLE	IF	CITATIONS
3330	Application of Gadolinium-Doped Zinc Oxide Quantum Dots for Magnetic Resonance and Fluorescence Imaging. Springer Theses, 2018, , 65-79.	0.0	0
3331	SYNTHESIS AND PHOTOLUMINESCENCE STUDIES ON ZINC OXIDE NANOWIRES. ASEAN Journal on Science and Technology for Development, 2007, 24, 205-212.	0.2	0
3332	ZnO Thin Film Transistor: Effect of Traps and Grain Boundaries. ELEKTRIKA- Journal of Electrical Engineering, 2018, 17, 41-43.	0.2	3
3333	Three-level system for numerical modeling of ultraviolet and visible photoluminescence of aluminum-doped zinc oxide. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 1017.	0.9	6
3334	Dependence of Antibacterial Activity of ZnO Powders on Their Physico-chemical Properties. Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2019, 66, 434-441.	0.1	2
3335	Luminescence at low temperature in pure ZnO phosphors. Ingenieria Y Competitividad, 2020, 22, 1-7.	0.1	0
3336	White light-emitting ZnO nanoparticles exhibiting color temperature tunability with near UV excitation and high color rendering. Materials Science in Semiconductor Processing, 2022, 138, 106284.	1.9	10
3337	Optical Properties of ZnO/Ps Compositiy Films. Applied Physics, 2020, 10, 1-7.	0.0	0
3338	The General, Versatile Growth Mechanism. Springer Series in Materials Science, 2020, , 347-412.	0.4	0
3339	Optical study of ZnO nanorods grown via vapour solid growth method for energy harvesting applications. AIP Conference Proceedings, 2020, , .	0.3	2
3340	Pyroelectric Synthesis of the Site-specific Au-ZnO Nanorod Array. ChemistrySelect, 2021, 6, 11224-11230.	0.7	1
3341	Zno Nanostructures Grown By Thermal Evaporation And Thermal Decomposition Methods. NATO Science for Peace and Security Series B: Physics and Biophysics, 2009, , 211-214.	0.2	1
3343	Bio-synthesis, characterization and antibacterial studies of ZnO nanoparticles. International Journal of Materials Research, 0, , .	0.1	1
3344	Electrical properties of ZnO films implanted with rare earth and their relationship with structural and optical parameters. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2022, 275, 115526.	1.7	6
3345	Visible light boosting hydrophobic ZnO/(Sr _{0.6} Bi _{0.305}) ₂ Bi ₂ O ₇ chemiresistor toward ambient trimethylamine. Sensors and Actuators B: Chemical, 2022, 352, 131076.	4.0	8
3346	ZnO Nanogold Doping: A Bioinorganic Paradigm for Sensing and Optical Security Applications. ACS Applied Nano Materials, 0, , .	2.4	1
3347	Enhancement of performance of Ga incorporated ZnO UV photodetectors prepared by simplified two step chemical solution process. Sensors and Actuators A: Physical, 2022, 333, 113217.	2.0	18
3348	Insights into the impact of photophysical processes and defect state evolution on the emission properties of surface-modified ZnO nanoplates for application in photocatalysis and hybrid LEDs. Physical Chemistry Chemical Physics, 2022, 24, 2424-2440.	1.3	6

#	ARTICLE	IF	CITATIONS
3349	Silver-enriched ZnO:Ag thin films deposited by magnetron co-sputtering: Post annealing effects on structural and physical properties. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2022, 276, 115558.	1.7	9
3350	Structural and Photoluminescence Properties of ZnO Nanowires. <i>Ukrainian Journal of Physics</i> , 2021, 57, 1239.	0.1	1
3351	Enhanced Photoluminescence and Electrical Properties of n-Al-Doped ZnO Nanorods/p-B-Doped Diamond Heterojunction. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3352	Facile synthesis of Mn-doped ZnO nanoparticles by flash combustion route and their characterizations for optoelectronic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 3849-3869.	1.1	13
3353	Physicochemical investigations of structurally enriched Sm ³⁺ substituted SnO ₂ nanocrystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 5283-5296.	1.1	11
3354	Effect of Aluminum Doping Ratios on the Properties of Aluminum-Doped Zinc Oxide Films Deposited by Mist Chemical Vapor Deposition Method Applying for Photocatalysis. <i>Nanomaterials</i> , 2022, 12, 195.	1.9	9
3355	CMOS Compatible Al-Doped ZnO Sol-Gel Thin Film Properties. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2022, 219, .	0.8	2
3356	Ethylene Carbonate Adsorption and Decomposition on Pristine and Defective ZnO(101̄..0) Surfaces: A First-Principles Study. <i>Journal of Physical Chemistry C</i> , 2022, 126, 2151-2160.	1.5	5
3357	Structural, electrical, and luminescence properties of (0001) ZnO epitaxial layers grown on c-GaN/sapphire templates by pulsed laser deposition technique. <i>Journal of Applied Physics</i> , 2022, 131, 015302.	1.1	4
3358	Advances in ZnO: Manipulation of defects for enhancing their technological potentials. <i>Nanotechnology Reviews</i> , 2022, 11, 575-619.	2.6	65
3359	Stimulation and Enhancement of Near-Band-Edge Emission in Zinc Oxide by Distributed Bragg Reflectors. <i>Advanced Materials Interfaces</i> , 0, , 2102357.	1.9	3
3360	Chemical Route Manufactured ZnO Nanoparticles and Their Biological Accumulation. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 1966-1974.	1.9	4
3361	Optical and antibacterial activity of biogenic core-shell ZnO@TiO ₂ nanoparticles. <i>Journal of the Indian Chemical Society</i> , 2022, 99, 100361.	1.3	7
3362	ZnO Nanorods with Doubly Positive Oxygen Vacancies for Efficient Xylene Sensing. <i>ACS Applied Nano Materials</i> , 2022, 5, 3512-3520.	2.4	13
3363	Influence of Sr concentration on crystal structure, magnetic properties and supercapacitance performance of ZnO nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 6745-6765.	1.1	2
3364	Electroactive ZnO: Mechanisms, Conductivity, and Advances in Zn Alkaline Battery Cycling. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	20
3365	SILAR Synthesized ZnO Thin Films. <i>Advanced Materials Research</i> , 0, 1169, 87-91.	0.3	0
3366	A Comparative Study of Un-Doped ZnO and in Doping ZnO Thin Films with Various Concentrations, Subjected to Appropriate UHV Treatment and Characterized by Sensitive Spectroscopy Techniques XPS, AES, Reels and PL. <i>Annals of West University of Timișoara Physics Series</i> , 2022, 64, 1-21.	0.0	1

#	ARTICLE	IF	CITATIONS
3367	Photoluminescence and Electron Paramagnetic Resonance Spectroscopy for Revealing Visible Emission of ZnO Quantum Dots. <i>Annalen Der Physik</i> , 2022, 534, .	0.9	9
3368	Enhanced Photoluminescence and Electrical Properties of n-Al-Doped ZnO Nanorods/p-B-Doped Diamond Heterojunction. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3831.	1.8	6
3369	Structural, optical and antimicrobial properties of pure and Ag-doped ZnO nanostructures. <i>Journal of Semiconductors</i> , 2022, 43, 032802.	2.0	13
3370	Effect of Mn doping on the structural, optical, magnetic properties, and antibacterial activity of ZnO nanospheres. <i>Journal of Sol-Gel Science and Technology</i> , 2022, 102, 357-371.	1.1	5
3371	Bio synthesis of Zinc oxide nanoparticles using <i>Clerodendrum phlomidis</i> extract for antibacterial, anticancer, antioxidant and photocatalytic studies. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 11455-11466.	1.1	9
3372	Size-dependent spectroscopic insight into the steady-state and time-resolved optical properties of ZnO photocatalysts. <i>Materials Science in Semiconductor Processing</i> , 2022, 145, 106644.	1.9	11
3373	Study of improved VOCs sensing properties of boron nitride quantum dots decorated nanostructured 2D-ZnO material. <i>Ceramics International</i> , 2022, 48, 28935-28941.	2.3	6
3374	Asymmetric resistive switching by anion out-diffusion mechanism in transparent Al/ZnO/ITO heterostructure for memristor applications. <i>Surfaces and Interfaces</i> , 2022, , 101950.	1.5	7
3377	Role of urea on the structural, textural, and optical properties of macroemulsion-assisted synthesized holey ZnO nanosheets for photocatalytic applications. <i>New Journal of Chemistry</i> , 2022, 46, 9897-9908.	1.4	4
3378	Controlling electron transport towards efficient all-solution-processed quantum dot light emitting diodes. <i>Journal of Materials Chemistry C</i> , 2022, 10, 8373-8380.	2.7	4
3379	Photoluminescence intensity of Cu-doped ZnO modulated via defect occupancy by applying electric bias. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 315102.	1.3	2
3380	Synergistic effect of Fe and Ag co-doping on the persistent photoconductivity of vertical ZnO nanorods. <i>Ceramics International</i> , 2022, 48, 23002-23015.	2.3	5
3381	Effect of W concentration in the organized Ti-W alloy oxide nanotubes array on the photoelectrocatalytic properties and its application in the removal of endocrine disruptors using real water matrix. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107830.	3.3	2
3382	Effect of film thickness of ZnO as the electron transport layer on the performance of organic photodetectors. <i>Optical Materials</i> , 2022, 128, 112438.	1.7	3
3383	Photovoltaic properties of hybrid c-Si/ZnO nanorods solar cells. <i>Materials Advances</i> , 0, , .	2.6	1
3384	Influence of Zinc Oxide Nanostructure Morphology on its Photocatalytic Properties. <i>Current Nanoscience</i> , 2022, 18, .	0.7	0
3385	Rational Design of Dynamic Z-Scheme Heterojunction Composites for Photocatalytic Cr(VI) Reduction and H ₂ Production: An Experimental and Computational Study. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3386	Influence on the Optical properties of Green and Chemically Synthesized ZnO. <i>Journal of Physics: Conference Series</i> , 2022, 2267, 012041.	0.3	1

#	ARTICLE	IF	CITATIONS
3387	Chemopreventive role of Tin oxide-Chitosan-Polyethylene glycol-Crocin nanocomposites against Lung cancer: An in vitro and in vivo approach. <i>Process Biochemistry</i> , 2022, 120, 186-194.	1.8	3
3389	Photocatalytic degradation activity of goji berry extract synthesized silver-loaded mesoporous zinc oxide (Ag@ZnO) nanocomposites under simulated solar light irradiation. <i>Scientific Reports</i> , 2022, 12, .	1.6	54
3390	Effect of Gamma Irradiation on the Structural, Optical, Electrical, and Ferroelectric Characterizations of Bismuth-Modified Barium Titanate Ceramics. <i>Materials</i> , 2022, 15, 4337.	1.3	4
3391	Fe-Mo Doping G-C ₃ n ₄ Exfoliated Composite for Removal of Rhodamine B by Advanced Oxidation and Photocatalysis. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3392	Defects in rare-earth-doped inorganic materials. , 2022, , 85-133.		0
3393	Properties and characterization of rare-earth-activated phosphors. , 2022, , 69-84.		0
3394	Photocatalytic degradation of some dyes under solar light irradiation using ZnO nanoparticles synthesized from <i>Rosmarinus officinalis</i> extract. <i>Green Chemistry Letters and Reviews</i> , 2022, 15, 460-473.	2.1	31
3395	P ⁸³ : Oxygen Ratio's Effect on the Photoluminescence Property of Zinc Oxide Thin Film Phosphor. <i>Digest of Technical Papers SID International Symposium</i> , 2022, 53, 1340-1343.	0.1	0
3396	Photoconversion efficiency of In ₂ S ₃ /ZnO core-shell heterostructures nanorod arrays deposited via controlled SILAR cycles. <i>Heliyon</i> , 2022, 8, e09959.	1.4	7
3397	Enhancement of intrinsic green emission in phase pure ZnO. <i>Physica B: Condensed Matter</i> , 2022, 644, 414155.	1.3	6
3398	Ultraviolet photoconductivity and photoluminescence properties of spray pyrolyzed ZnO nanostructure: Effect of deposition temperature. <i>Optical Materials</i> , 2022, 131, 112726.	1.7	10
3399	Rational design of dynamic Z-scheme heterojunction composites for photocatalytic Cr(VI) reduction and H ₂ production: an experimental and computational study. <i>Chemical Engineering Journal Advances</i> , 2022, 12, 100363.	2.4	5
3400	Zinc glycolate Zn(OCH ₂ CH ₂ O): synthesis and structure, spectral and optical properties, electronic structure and chemical bonding. <i>Journal of Alloys and Compounds</i> , 2022, , 166320.	2.8	2
3401	ZnO Nanocrystals with Hexagonal Disk Shape Grown by Thermal Evaporation Method in Air at Atmospheric Pressure. <i>Journal of Korean Institute of Metals and Materials</i> , 2022, 60, 601-606.	0.4	0
3402	Enhanced xylene-sensing property of hierarchical NiO/montmorillonite hetero-structures via In doping. <i>Applied Surface Science</i> , 2022, 602, 154301.	3.1	5
3403	Morphology and topography of quantum dots. , 2022, , 727-770.		1
3404	Innovative Investigation of Zinc Oxide Nanoparticles Used in Dentistry. <i>Crystals</i> , 2022, 12, 1063.	1.0	13
3405	The effects of Ni/Cu co-doped ZnO nanorods: structural and optoelectronic study. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 20740-20755.	1.1	2

#	ARTICLE	IF	CITATIONS
3406	Unfolding the conductivity reversal n- to p-type in phosphorus-doped ZnO thin films by spin-on dopant (SOD) process. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 415104.	1.3	3
3407	Surface Plane Effect of ZnO on the Catalytic Performance of Au/ZnO for the CO Oxidation Reaction. <i>Journal of Physical Chemistry C</i> , 2022, 126, 14155-14162.	1.5	10
3408	Fast UV photoresponse from Aluminum doped zinc oxysulphide composite nanowires by efficient charge-exchange interactions. <i>Journal of Luminescence</i> , 2022, 251, 119138.	1.5	0
3409	A comprehensive review on zinc oxide bulk and nano-structured materials for ionizing radiation detection and measurement applications. <i>Materials Science in Semiconductor Processing</i> , 2022, 151, 107040.	1.9	6
3410	Natural sunlight driven photocatalytic performance of Ag/ZnO nanocrystals. <i>Materials Today Communications</i> , 2022, 33, 104438.	0.9	11
3411	First-principles study of electronic states, optical properties, water adsorption and dissociation properties of Pt-doped two-dimensional ZnO. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2022, 286, 116019.	1.7	1
3412	Synthesis and characterization of ZnO nanoflowers under temperature effect. , 0, , 189-200.		1
3413	Room-Temperature Ferromagnetism in Cu/Co Co-Doped ZnO Nanoparticles Prepared by the Co-Precipitation Method: For Spintronics Applications. <i>ACS Omega</i> , 2022, 7, 32184-32193.	1.6	14
3415	Tailoring Room Temperature Ferromagnetism and Observation of Electrolyte of Widest Potential Window in Gd _{0.75} Se Nano Particles. <i>Crystal Research and Technology</i> , 0, , 2200106.	0.6	1
3416	Preferential grain growth and impact of aluminum and tin doping on the physical properties of ZnO microrods. <i>Journal of Materials Science: Materials in Electronics</i> , 0, , .	1.1	0
3417	A novel green preparation of zinc oxide nanoparticles with <i>Hibiscus sabdariffa</i> L.: photocatalytic performance, evaluation of antioxidant and antibacterial activity. <i>Environmental Technology (United Kingdom)</i> , 2024, 45, 926-944.	1.2	6
3419	Controlled growth of ZnO nanoparticles using ethanolic root extract of Japanese knotweed: photocatalytic and antimicrobial properties. <i>RSC Advances</i> , 2022, 12, 31235-31245.	1.7	8
3420	Enhanced photoelectric properties of ZnO nanorods arrays synthesized by controlled sol-gel-assisted hydrothermal method. <i>Ferroelectrics</i> , 2022, 597, 94-106.	0.3	1
3421	Enhanced photocatalytic activity of ceria-doped zinc oxide under UV illumination prepared via chemical precipitation. <i>Luminescence</i> , 2023, 38, 1282-1286.	1.5	2
3422	Photoluminescence and Electrical Properties of n-Ce-Doped ZnO Nanoleaf/p-Diamond Heterojunction. <i>Nanomaterials</i> , 2022, 12, 3773.	1.9	2
3423	Resolving decay-time dependent photoluminescence induced by phonon-dressed excitons in ZnO. <i>Physical Review Materials</i> , 2022, 6, .	0.9	0
3424	Effect of steamed ammonia on the properties of ZnO thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 0, , .	1.1	0
3425	Significance of Hydroxyl Groups on the Optical Properties of ZnO Nanoparticles Combined with CNT and PEDOT:PSS. <i>Nanomaterials</i> , 2022, 12, 3546.	1.9	6

#	ARTICLE	IF	CITATIONS
3426	Fe-Mo-O doping g-C ₃ N ₄ exfoliated composite for removal of rhodamine B by advanced oxidation and photocatalysis. <i>Applied Surface Science</i> , 2023, 610, 155544.	3.1	9
3427	Highly c-axis oriented (Mg, Sn) co-doped ZnO thin films for optoelectronic applications. <i>Optical Materials</i> , 2022, 134, 113098.	1.7	4
3428	Multifunctional bandgap-reduced ZnO nanocrystals for photocatalysis, self-cleaning, and antibacterial glass surfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2023, 656, 130447.	2.3	9
3429	Effect of Ni doping on the adsorption and visible light photocatalytic activity of ZnO hexagonal nanorods. <i>Inorganic Chemistry Communication</i> , 2023, 147, 110208.	1.8	8
3430	Silver nanoparticles modified ZnO nanocatalysts for effective degradation of ceftiofur sodium under UV-vis light illumination. <i>Chemosphere</i> , 2023, 313, 137515.	4.2	7
3431	Computational prediction of stable semiconducting Zn-C binary compounds. <i>Materials Science in Semiconductor Processing</i> , 2023, 155, 107237.	1.9	1
3432	Band Gap Reduction and Improved Ferromagnetic Ordering via Bound Magnetic Polarons in Zn(Al) _{1-x} (OH) ₂ Nanorods. <i>Journal of Materials Science: Materials in Electronics</i> , 2023, 34, 113098.	1.5	3
3433	Synthesis, characterization, and the influence of energy of irradiation on optical properties of ZnO nanostructures. <i>Scientific Reports</i> , 2022, 12, .	1.6	4
3434	Self-Organization Effects of Thin ZnO Layers on the Surface of Porous Silicon by Formation of Energetically Stable Nanostructures. <i>Materials</i> , 2023, 16, 838.	1.3	3
3435	Enhancing the electrical conductivity and the dielectric features of ZnO nanoparticles through Co doping effect for energy storage applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2023, 34, .	1.1	26
3436	Comprehensive study upon physicochemical properties of bio-ZnO NCs. <i>Scientific Reports</i> , 2023, 13, .	1.6	3
3437	Charge transfer and ZnO defect state mediated FRET dependent luminescence in nanocomposites based on PPy nanowires and ZnO microflowers. <i>Ceramics International</i> , 2023, 49, 14487-14496.	2.3	5
3438	Hydrothermal growth of ZnO nanostructures with dopants Co ²⁺ , Ni ²⁺ and Cu ²⁺ - Structural and luminous characteristics. <i>Journal of Luminescence</i> , 2023, 256, 119628.	1.5	2
3439	Nanorod-like Structure of ZnO Nanoparticles and Zn ₈ O ₈ Clusters Using 4-Dimethylamino Benzaldehyde Liquid to Study the Physicochemical and Antimicrobial Properties of Pathogenic Bacteria. <i>Nanomaterials</i> , 2023, 13, 166.	1.9	1
3440	Ion beam-induced defects in ZnO: A radiation hard metal oxide. , 2023, , 567-610.		0
3441	Comparison from lemon juice and N-dipentene ZnO nanoparticles green synthesis: Influence of byproducts in morphology and size. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2023, 290, 116335.	1.7	2
3442	High Responsivity and EQE of Single ZnO:Sb Microwire/Ti ₃ C ₂ T _x Heterojunction UV Photodetector. , 2023, 1, 745-752.		0
3443	ZnO Nanoparticles Synthesized by Precipitation Method for Solar-Driven Photodegradation of Methylene Blue Dye and Its Potential as an Anticancer Agent. <i>Brazilian Journal of Physics</i> , 2023, 53, .	0.7	5

#	ARTICLE	IF	CITATIONS
3444	Influence of aliovalent V ³⁺ substitution on physicochemical characteristics of tetragonal SnO ₂ nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2023, 34, .	1.1	0
3445	Effect of dopant concentrations on structural and optical properties of iron doped tin oxide nano powder for optoelectronic device applications. <i>Materials Today: Proceedings</i> , 2023, , .	0.9	1
3446	Structural, optical, photoluminescence and magnetic investigation of doped and Co-doped ZnO nanoparticles. <i>Optical and Quantum Electronics</i> , 2023, 55, .	1.5	10
3447	Toward Imaging Defect-Mediated Energy Transfer between Single Nanocrystal Donors and Single Molecule Acceptors. , 2023, 1, 168-178.		2
3448	Enhanced Plasmonic Photocatalysis of Au-Decorated ZnO Nanocomposites. <i>Inorganics</i> , 2023, 11, 157.	1.2	4
3449	Photoluminescence properties of cerium-doped zinc oxide nanotubes prepared using electrodeposition technique. <i>Applied Physics A: Materials Science and Processing</i> , 2023, 129, .	1.1	1
3450	ZnO/silica quasi core/shell nanoparticles as electron transport materials for high-performance quantum-dot light-emitting diodes. <i>Ceramics International</i> , 2023, 49, 22304-22312.	2.3	1
3482	Managing Erbium Emissions through ZnO Host Crystallinity. , 2023, , .		0