

Yong Ding

List of Publications by Year in descending order

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225
papers

33,431
citations

4120

87
h-index

3638

180
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232
all docs

232
docs citations

232
times ranked

34707
citing authors

#	ARTICLE	IF	CITATIONS
1	An efficient and durable anode for ammonia protonic ceramic fuel cells. <i>Energy and Environmental Science</i> , 2022, 15, 287-295.	15.6	64
2	A niobium oxide with a shear structure and planar defects for high-power lithium ion batteries. <i>Energy and Environmental Science</i> , 2022, 15, 254-264.	15.6	50
3	Highly Active and Durable Air Electrodes for Reversible Protonic Ceramic Electrochemical Cells Enabled by an Efficient Bifunctional Catalyst. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	57
4	Precision surface modification of solid oxide fuel cells <i>via</i> layer-by-layer surface sol-gel deposition. <i>Journal of Materials Chemistry A</i> , 2022, 10, 8798-8806.	5.2	10
5	Surface restructuring of a perovskite-type air electrode for reversible protonic ceramic electrochemical cells. <i>Nature Communications</i> , 2022, 13, 2207.	5.8	65
6	A Nonstoichiometric Niobium Oxide/Graphite Composite for Fast-Charge Lithium-Ion Batteries. <i>Small</i> , 2022, 18, .	5.2	13
7	Critical role of acceptor dopants in designing highly stable and compatible proton-conducting electrolytes for reversible solid oxide cells. <i>Energy and Environmental Science</i> , 2022, 15, 2992-3003.	15.6	20
8	A Single-Atom Fe-N-C Catalyst with Ultrahigh Utilization of Active Sites for Efficient Oxygen Reduction. <i>Small</i> , 2022, 18, .	5.2	38
9	Effect of surface hydroxyls and porous nanostructured sensors integrated for SERS monitoring and efficient removal of organic pollutants. <i>Applied Surface Science</i> , 2022, 601, 154123.	3.1	7
10	Enhancing Oxygen Reduction Activity and Cr Tolerance of Solid Oxide Fuel Cell Cathodes by a Multiphase Catalyst Coating. <i>Advanced Functional Materials</i> , 2021, 31, 2100034.	7.8	56
11	Selective recovery of precious metals through photocatalysis. <i>Nature Sustainability</i> , 2021, 4, 618-626.	11.5	188
12	Switching of metal-oxygen hybridization for selective CO ₂ electrohydrogenation under mild temperature and pressure. <i>Nature Catalysis</i> , 2021, 4, 274-283.	16.1	77
13	Calcination temperature effects on Pd/alumina catalysts: Particle size, surface species and activity in methane combustion. <i>Catalysis Today</i> , 2021, 382, 120-129.	2.2	21
14	A highly efficient and durable air electrode for intermediate-temperature reversible solid oxide cells. <i>Applied Catalysis B: Environmental</i> , 2021, 299, 120631.	10.8	37
15	An improved oxygen reduction reaction activity and CO ₂ -tolerance of La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O _{3-δ} achieved by a surface modification with barium cobaltite coatings. <i>Journal of Power Sources</i> , 2021, 514, 230573.	4.0	24
16	Promotion of oxygen reduction reaction on a double perovskite electrode by a water-induced surface modification. <i>Energy and Environmental Science</i> , 2021, 14, 1506-1516.	15.6	62
17	Enhancing the macroscopic polarization of CdS for piezo-photocatalytic water splitting. <i>Nano Energy</i> , 2021, 90, 106635.	8.2	77
18	Piezo-phototronic effect on photocatalysis, solar cells, photodetectors and light-emitting diodes. <i>Chemical Society Reviews</i> , 2021, 50, 13646-13691.	18.7	69

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19	Atomically dispersed Fe-N-C decorated with Pt-alloy core-shell nanoparticles for improved activity and durability towards oxygen reduction. <i>Energy and Environmental Science</i> , 2020, 13, 3032-3040.	15.6	185
20	Stable Infrared-Emitting Chemical Composition Gradient Quantum Dots for Down-Convertors and Photodetectors. <i>ACS Applied Nano Materials</i> , 2020, 3, 11335-11343.	2.4	3
21	Particle Size and Pd-Support Interactions in PdO/CeO ₂ -Al ₂ O ₃ Catalysts and Effect on Methane Combustion. <i>Catalysts</i> , 2020, 10, 976.	1.6	9
22	Facile Room-Temperature Synthesis of a Highly Active and Robust Single-Crystal Pt Multipod Catalyst for Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 49510-49518.	4.0	17
23	Detection of plasmonic behavior in colloidal indium tin oxide films by impedance spectroscopy. <i>MRS Communications</i> , 2020, 10, 278-285.	0.8	3
24	Activating low-temperature diesel oxidation by single-atom Pt on TiO ₂ nanowire array. <i>Nature Communications</i> , 2020, 11, 1062.	5.8	90
25	High-Performance Li-CO ₂ Batteries from Free-Standing, Binder-Free, Bifunctional Three-Dimensional Carbon Catalysts. <i>ACS Energy Letters</i> , 2020, 5, 916-921.	8.8	81
26	Sky-blue iridium complexes with pyrimidine ligands for highly efficient phosphorescent organic light-emitting diodes. <i>New Journal of Chemistry</i> , 2020, 44, 8743-8750.	1.4	12
27	Quantitative nanoscale tracking of oxygen vacancy diffusion inside single ceria grains by in situ transmission electron microscopy. <i>Materials Today</i> , 2020, 38, 24-34.	8.3	23
28	Self-sustainable protonic ceramic electrochemical cells using a triple conducting electrode for hydrogen and power production. <i>Nature Communications</i> , 2020, 11, 1907.	5.8	227
29	Domain Structures and PrCo Antisite Point Defects in Double-perovskite PrBaCo ₂ O ₅ + δ . <i>Microscopy and Microanalysis</i> , 2019, 25, 2016-2017.	0.2	0
30	Dramatically Enhanced Broadband Photodetection by Dual Inversion Layers and Fowler-Nordheim Tunneling. <i>ACS Nano</i> , 2019, 13, 2289-2297.	7.3	11
31	Ion-Exchange Loading Promoted Stability of Platinum Catalysts Supported on Layered Protonated Titanate-Derived Titania Nanoarrays. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 21515-21525.	4.0	10
32	Enabling Tailorable Optical Properties and Markedly Enhanced Stability of Perovskite Quantum Dots by Permanently Ligating with Polymer Hairs. <i>Advanced Materials</i> , 2019, 31, e1901602.	11.1	119
33	Integrated Energy Devices: 3D Heteroatom-Doped Carbon Nanomaterials as Multifunctional Metal-Free Catalysts for Integrated Energy Devices (<i>Adv. Mater.</i> 13/2019). <i>Advanced Materials</i> , 2019, 31, 1970094.	11.1	8
34	3D Heteroatom-Doped Carbon Nanomaterials as Multifunctional Metal-Free Catalysts for Integrated Energy Devices. <i>Advanced Materials</i> , 2019, 31, e1805598.	11.1	194
35	High performance diesel oxidation catalysts using ultra-low Pt loading on titania nanowire array integrated cordierite honeycombs. <i>Catalysis Today</i> , 2019, 320, 2-10.	2.2	28
36	Site-Selective Carving and Co-Deposition: Transformation of Ag Nanocubes into Concave Nanocrystals Encased by Au-Ag Alloy Frames. <i>ACS Nano</i> , 2018, 12, 298-307.	7.3	96

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37	A Highly Efficient Multi-phase Catalyst Dramatically Enhances the Rate of Oxygen Reduction. <i>Joule</i> , 2018, 2, 938-949.	11.7	221
38	An effective strategy to enhancing tolerance to contaminants poisoning of solid oxide fuel cell cathodes. <i>Nano Energy</i> , 2018, 47, 474-480.	8.2	76
39	Enhanced performances of Si/CdS heterojunction near-infrared photodetector by the piezo-phototronic effect. <i>Nano Energy</i> , 2018, 44, 311-318.	8.2	54
40	Hydrogen Production: 3D Self-Architected Steam Electrode Enabled Efficient and Durable Hydrogen Production in a Proton-Conducting Solid Oxide Electrolysis Cell at Temperatures Lower Than 600 Å°C (Adv. Sci. 11/2018). <i>Advanced Science</i> , 2018, 5, 1870070.	5.6	5
41	A robust fuel cell operated on nearly dry methane at 500 Å°C enabled by synergistic thermal catalysis and electrocatalysis. <i>Nature Energy</i> , 2018, 3, 1042-1050.	19.8	230
42	Sealing ZnO nanorods for deeply rechargeable high-energy aqueous battery anodes. <i>Nano Energy</i> , 2018, 53, 666-674.	8.2	112
43	3D Self-Architected Steam Electrode Enabled Efficient and Durable Hydrogen Production in a Proton-Conducting Solid Oxide Electrolysis Cell at Temperatures Lower Than 600 Å°C. <i>Advanced Science</i> , 2018, 5, 1800360.	5.6	72
44	Rational design, synthesis and evaluation of ZnO nanorod array supported Pt:La _{0.8} Sr _{0.2} MnO ₃ lean NO _x traps. <i>Applied Catalysis B: Environmental</i> , 2018, 236, 348-358.	10.8	22
45	A highly active, CO ₂ -tolerant electrode for the oxygen reduction reaction. <i>Energy and Environmental Science</i> , 2018, 11, 2458-2466.	15.6	202
46	Domain structures and Prco antisite point defects in double-perovskite PrBaCo ₂ O _{5+δ} and PrBa _{0.8} Ca _{0.2} Co ₂ O _{5+δ} . <i>Ultramicroscopy</i> , 2018, 193, 64-70.	0.8	10
47	A tailored double perovskite nanofiber catalyst enables ultrafast oxygen evolution. <i>Nature Communications</i> , 2017, 8, 14586.	5.8	327
48	Adjusting the band structure and defects of ZnO quantum dots via tin doping. <i>RSC Advances</i> , 2017, 7, 11345-11354.	1.7	35
49	Electrospun Porous Perovskite La _{0.6} Sr _{0.4} Co _{1-x} Fe _x O _{3-δ} Nanofibers for Efficient Oxygen Evolution Reaction. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700146.		
50	A high-energy, long cycle-life hybrid supercapacitor based on graphene composite electrodes. <i>Energy Storage Materials</i> , 2017, 7, 32-39.	9.5	157
51	Fabricating and Controlling Silicon Zigzag Nanowires by Diffusion-Controlled Metal-Assisted Chemical Etching Method. <i>Nano Letters</i> , 2017, 17, 4304-4310.	4.5	48
52	A robust and active hybrid catalyst for facile oxygen reduction in solid oxide fuel cells. <i>Energy and Environmental Science</i> , 2017, 10, 964-971.	15.6	204
53	Piezo-phototronic Effect Enhanced Responsivity of Photon Sensor Based on Composition-Tunable Ternary CdS _{1-x} Se _x Nanowires. <i>ACS Photonics</i> , 2017, 4, 2495-2503.	3.2	48
54	Pt-Ag cubic nanocages with wall thickness less than 2 nm and their enhanced catalytic activity toward oxygen reduction. <i>Nanoscale</i> , 2017, 9, 15107-15114.	2.8	39

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55	In-situ Transmission Electron Microscopy Study of Oxygen Vacancy Ordering and Dislocation Annihilation in Undoped and Sm-doped CeO ₂ Ceramics During Redox Processes. <i>Microscopy and Microanalysis</i> , 2017, 23, 1626-1627.	0.2	0
56	Largely Improved Near-Infrared Silicon-Photosensing by the Piezo-Phototronic Effect. <i>ACS Nano</i> , 2017, 11, 7118-7125.	7.3	57
57	Systematic study on structural and electronic properties of diamine/triamine functionalized graphene networks for supercapacitor application. <i>Nano Energy</i> , 2017, 31, 183-193.	8.2	124
58	Defects Generation and Surface Evolution of ZnO Nanobelts/Nanowires Under High-energy Electron Beam Irradiation. <i>Microscopy and Microanalysis</i> , 2016, 22, 1486-1487.	0.2	0
59	Piezotronic Effect Modulated Heterojunction Electron Gas in AlGa _N /AlN/GaN Heterostructure Microwire. <i>Advanced Materials</i> , 2016, 28, 7234-7242.	11.1	100
60	A neutron scintillator based on transparent nanocrystalline CaF ₂ :Eu glass ceramic. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	29
61	<i>In-situ</i> transmission electron microscopy study of oxygen vacancy ordering and dislocation annihilation in undoped and Sm-doped CeO ₂ ceramics during redox processes. <i>Journal of Applied Physics</i> , 2016, 120, .	1.1	15
62	<i>In situ</i> transmission electron microscopy observation of ZnO polar and non-polar surfaces structure evolution under electron beam irradiation. <i>Journal of Applied Physics</i> , 2016, 119, .	1.1	16
63	Perovskite Nanoparticle-Sensitized Ga ₂ O ₃ Nanorod Arrays for CO Detection at High Temperature. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 8880-8887.	4.0	65
64	Synthesis and characterization of a BaGdF ₅ :Tb glass ceramic as a nanocomposite scintillator for x-ray imaging. <i>Nanotechnology</i> , 2016, 27, 205203.	1.3	16
65	Medical imaging scintillators from glass-ceramics using mixed rare-earth halides. <i>Optical Materials</i> , 2016, 60, 513-520.	1.7	29
66	Palladium@Platinum Concave Nanocubes with Enhanced Catalytic Activity toward Oxygen Reduction. <i>ChemCatChem</i> , 2016, 8, 3082-3088.	1.8	19
67	A durable, high-performance hollow-nanofiber cathode for intermediate-temperature fuel cells. <i>Nano Energy</i> , 2016, 26, 90-99.	8.2	93
68	Optoelectronic Properties of Solution Grown ZnO n-p or p-n Core-Shell Nanowire Arrays. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 4287-4291.	4.0	42
69	Piezo-phototronic Boolean Logic and Computation Using Photon and Strain Dual-Gated Nanowire Transistors. <i>Advanced Materials</i> , 2015, 27, 940-947.	11.1	46
70	Temperature Dependence of the Piezophototronic Effect in CdS Nanowires. <i>Advanced Functional Materials</i> , 2015, 25, 5277-5284.	7.8	50
71	Piezo-phototronic Effect Enhanced UV/Visible Photodetector Based on Fully Wide Band Gap Type-II ZnO/ZnS Core/Shell Nanowire Array. <i>ACS Nano</i> , 2015, 9, 6419-6427.	7.3	232
72	Piezo-Phototronic UV/Visible Photosensing with Optical-Fiber-Nanowire Hybridized Structures. <i>Advanced Materials</i> , 2015, 27, 1553-1560.	11.1	60

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73	Rationally designed graphene-nanotube 3D architectures with a seamless nodal junction for efficient energy conversion and storage. <i>Science Advances</i> , 2015, 1, e1400198.	4.7	176
74	Quantifying mean inner potential of ZnO nanowires by off-axis electron holography. <i>Micron</i> , 2015, 78, 67-72.	1.1	8
75	Piezotronic Effect in Strain-Gated Transistor of <i>a</i> -Axis GaN Nanobelt. <i>ACS Nano</i> , 2015, 9, 9822-9829.	7.3	43
76	Construction of 3D Pt Catalysts Supported on Co-Doped SnO ₂ Nanourchins for Methanol and Ethanol Electrooxidation. <i>Journal of the Electrochemical Society</i> , 2015, 162, F92-F97.	1.3	9
77	Synthesis of 1D Sb ₂ S ₃ nanostructures and its application in visible-light-driven photodegradation for MO. <i>Journal of Alloys and Compounds</i> , 2015, 625, 90-94.	2.8	43
78	Controllable interior structure of ZnCo ₂ O ₄ microspheres for high-performance lithium-ion batteries. <i>Nano Energy</i> , 2015, 11, 64-70.	8.2	120
79	Pyroelectric-field driven defects diffusion along <i>c</i> -axis in ZnO nanobelts under high-energy electron beam irradiation. <i>Journal of Applied Physics</i> , 2014, 116, .	1.1	16
80	Solution-Derived ZnO Homojunction Nanowire Films on Wearable Substrates for Energy Conversion and Self-Powered Gesture Recognition. <i>Nano Letters</i> , 2014, 14, 6897-6905.	4.5	123
81	Piezoresistive effect in MoO ₃ nanobelts and its application in strain-enhanced oxygen sensors. <i>Nano Research</i> , 2014, 7, 180-189.	5.8	33
82	Core/Shell Au/CuPt Nanoparticles and Their Dual Electrocatalysis for Both Reduction and Oxidation Reactions. <i>Journal of the American Chemical Society</i> , 2014, 136, 5745-5749.	6.6	255
83	Enhanced electrocatalytic activity on gold nanocrystals enclosed by high-index facets for oxygen reduction. <i>Nano Energy</i> , 2014, 7, 179-188.	8.2	43
84	Self-Illuminating ⁶⁴ Cu-Doped CdSe/ZnS Nanocrystals for in Vivo Tumor Imaging. <i>Journal of the American Chemical Society</i> , 2014, 136, 1706-1709.	6.6	142
85	Low-Cost High-Performance Solid-State Asymmetric Supercapacitors Based on MnO ₂ Nanowires and Fe ₂ O ₃ Nanotubes. <i>Nano Letters</i> , 2014, 14, 731-736.	4.5	1,035
86	Worm-like amorphous MnO ₂ nanowires grown on textiles for high-performance flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014, 2, 595-599.	5.2	120
87	Catalyst-Free Heteroepitaxial MOCVD Growth of InAs Nanowires on Si Substrates. <i>Journal of Physical Chemistry C</i> , 2014, 118, 1696-1705.	1.5	38
88	Deriving the three-dimensional structure of ZnO nanowires/nanobelts by scanning transmission electron microscope tomography. <i>Nano Research</i> , 2013, 6, 253-262.	5.8	19
89	Hybrid Composite Ni(OH) ₂ @NiCo ₂ O ₄ Grown on Carbon Fiber Paper for High-Performance Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 11159-11162.	4.0	181
90	Anisotropic core-shell nanocomposites by direct covalent attachment of a side-functionalized poly(3-hexylthiophene) onto ZnO nanowires. <i>Polymer</i> , 2013, 54, 7004-7008.	1.8	9

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91	Piezotronic Effect in Flexible Thin-film Based Devices. <i>Advanced Materials</i> , 2013, 25, 3371-3379.	11.1	115
92	Surface analysis using shell-isolated nanoparticle-enhanced Raman spectroscopy. <i>Nature Protocols</i> , 2013, 8, 52-65.	5.5	395
93	Hydrogenated ZnO Core-shell Nanocables for Flexible Supercapacitors and Self-Powered Systems. <i>ACS Nano</i> , 2013, 7, 2617-2626.	7.3	781
94	Nanogenerator based on zinc blende CdTe micro/nanowires. <i>Nano Energy</i> , 2013, 2, 387-393.	8.2	55
95	GaN Nanobelt-Based Strain-Gated Piezotronic Logic Devices and Computation. <i>ACS Nano</i> , 2013, 7, 6403-6409.	7.3	82
96	Piezotronic Effect in Solution-Grown p-Type ZnO Nanowires and Films. <i>Nano Letters</i> , 2013, 13, 2647-2653.	4.5	118
97	Nickel-Cobalt Hydroxide Nanosheets Coated on NiCo ₂ O ₄ Nanowires Grown on Carbon Fiber Paper for High-Performance Pseudocapacitors. <i>Nano Letters</i> , 2013, 13, 3135-3139.	4.5	992
98	Enhanced Diffusion of Silver Atoms on the Surface of Nanoparticles at Low Temperatures. <i>Journal of Electronic Packaging, Transactions of the ASME</i> , 2013, 135, .	1.2	4
99	Misfit dislocations in multimetallic core-shelled nanoparticles. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	42
100	Piezo-Phototronic Effect on Electroluminescence Properties of p-Type GaN Thin Films. <i>Nano Letters</i> , 2012, 12, 3851-3856.	4.5	58
101	Seedless synthesis of patterned ZnO nanowire arrays on metal thin films (Au, Ag, Cu, Sn) and their application for flexible electromechanical sensing. <i>Journal of Materials Chemistry</i> , 2012, 22, 9469.	6.7	84
102	Synthesis of vertically aligned ultra-long ZnO nanowires on heterogeneous substrates with catalyst at the root. <i>Nanotechnology</i> , 2012, 23, 055604.	1.3	74
103	Effect of magnetic fields on melt-spun Nd ₂ Fe ₁₄ B-based ribbons. <i>Journal of Applied Physics</i> , 2012, 111, 07A731.	1.1	14
104	Hierarchical Network Architectures of Carbon Fiber Paper Supported Cobalt Oxide Nanonet for High-Capacity Pseudocapacitors. <i>Nano Letters</i> , 2012, 12, 321-325.	4.5	500
105	Piezo-phototronic Effect Enhanced Visible and Ultraviolet Photodetection Using a ZnO-core-shell Micro/nanowire. <i>ACS Nano</i> , 2012, 6, 9229-9236.	7.3	184
106	Phase and shape controlled VO ₂ nanostructures by antimony doping. <i>Energy and Environmental Science</i> , 2012, 5, 8708.	15.6	159
107	Size effects on elasticity, yielding, and fracture of silver nanowires: In situ experiments. <i>Physical Review B</i> , 2012, 85, .	1.1	266
108	Probing Surface Band Bending of Surface-Engineered Metal Oxide Nanowires. <i>ACS Nano</i> , 2012, 6, 9366-9372.	7.3	149

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109	Facile preparation of nitrogen-doped graphene as a metal-free catalyst for oxygen reduction reaction. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 3381.	1.3	261
110	Reshaping the tips of ZnO nanowires by pulsed laser irradiation. <i>Nano Research</i> , 2012, 5, 412-420.	5.8	20
111	Vertically Aligned CdSe Nanowire Arrays for Energy Harvesting and Piezotronic Devices. <i>ACS Nano</i> , 2012, 6, 6478-6482.	7.3	91
112	Enhanced Cu ₂ S/CdS Coaxial Nanowire Solar Cells by Piezo-Phototronic Effect. <i>Nano Letters</i> , 2012, 12, 3302-3307.	4.5	174
113	High-index facets bound ripple-like ZnO nanobelts grown by chemical vapor deposition. <i>CrystEngComm</i> , 2011, 13, 5052.	1.3	13
114	Crystalline ZnO thin film by hydrothermal growth. <i>Chemical Communications</i> , 2011, 47, 7776.	2.2	45
115	Piezotronic Effect on the Output Voltage of P3HT/ZnO Micro/Nanowire Heterojunction Solar Cells. <i>Nano Letters</i> , 2011, 11, 4812-4817.	4.5	135
116	Lead-Free NaNbO ₃ Nanowires for a High Output Piezoelectric Nanogenerator. <i>ACS Nano</i> , 2011, 5, 10041-10046.	7.3	427
117	Evolution of zinc oxide nanostructures through kinetics control. <i>Journal of Materials Chemistry</i> , 2011, 21, 9000.	6.7	34
118	Tailoring Au-core Pd-shell Pt-cluster nanoparticles for enhanced electrocatalytic activity. <i>Chemical Science</i> , 2011, 2, 531-539.	3.7	172
119	Synthesis and Characterization of Gold Nanoparticles Coated with Ultrathin and Chemically Inert Dielectric Shells for SHINERS Applications. <i>Applied Spectroscopy</i> , 2011, 65, 620-626.	1.2	52
120	The correlation between radiative surface defect states and high color rendering index from ZnO nanotubes. <i>Nanoscale Research Letters</i> , 2011, 6, 513.	3.1	10
121	ZnO spheres and nanorods formation: their dependence on agitation in solution synthesis. <i>Journal of Nanoparticle Research</i> , 2011, 13, 1689-1696.	0.8	17
122	Controlled synthesis and magnetic properties of hard magnetic Co _x C (x=2, 3) nanocrystals. <i>Journal of Magnetism and Magnetic Materials</i> , 2011, 323, 1495-1500.	1.0	52
123	Growth of GaN films with controlled out-of-plane texture on Si wafers. <i>Thin Solid Films</i> , 2011, 519, 3608-3611.	0.8	25
124	Temperature driven in-situ phase transformation of PbWO ₄ nanobelts. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	6
125	A General Approach for Fabricating Arc-Shaped Composite Nanowire Arrays by Pulsed Laser Deposition. <i>Advanced Functional Materials</i> , 2010, 20, 703-707.	7.8	27
126	Growth and Transfer of Monolithic Horizontal ZnO Nanowire Superstructures onto Flexible Substrates. <i>Advanced Functional Materials</i> , 2010, 20, 1493-1497.	7.8	38

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127	Heteroepitaxial Patterned Growth of Vertically Aligned and Periodically Distributed ZnO Nanowires on GaN Using Laser Interference Ablation. <i>Advanced Functional Materials</i> , 2010, 20, 3484-3489.	7.8	51
128	External Strain Induced Insulating Phase Transition in VO ₂ Nanobeam and Its Application as Flexible Strain Sensor. <i>Advanced Materials</i> , 2010, 22, 5134-5139.	11.1	223
129	Shell-isolated nanoparticle-enhanced Raman spectroscopy. <i>Nature</i> , 2010, 464, 392-395.	13.7	3,025
130	Annealing induced nanostructure and photoluminescence property evolution in solution-processed Mg-alloyed ZnO nanowires. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	23
131	Microwave Makes Carbon Nanotubes Less Defective. <i>ACS Nano</i> , 2010, 4, 1716-1722.	7.3	86
132	Atomic Structure of Au ⁺ Pd Bimetallic Alloyed Nanoparticles. <i>Journal of the American Chemical Society</i> , 2010, 132, 12480-12486.	6.6	229
133	GaN Nanowire Arrays for High-Output Nanogenerators. <i>Journal of the American Chemical Society</i> , 2010, 132, 4766-4771.	6.6	284
134	Photoconductive enhancement of single ZnO nanowire through localized Schottky effects. <i>Optics Express</i> , 2010, 18, 14836.	1.7	105
135	Rational Synthesis of Heterostructured Nanoparticles with Morphology Control. <i>Journal of the American Chemical Society</i> , 2010, 132, 6524-6529.	6.6	145
136	Titanium dioxide nanoswords with highly reactive, photocatalytic facets. <i>Nanotechnology</i> , 2010, 21, 485601.	1.3	22
137	Structural colors from <i>Morpho peleides</i> butterfly wing scales. <i>Journal of Applied Physics</i> , 2009, 106, .	1.1	47
138	Low temperature synthesis and characterization of MgO/ZnO composite nanowire arrays. <i>Nanotechnology</i> , 2009, 20, 125608.	1.3	64
139	Synthesis and Characterization of Ferroferritorate (Fe ₃ BO ₅) Nanorods. <i>Advanced Functional Materials</i> , 2009, 19, 3146-3150.	7.8	19
140	DNA Binding and Cleavage Activity of Zinc(II) Complex of <i>N,N'</i> -Bis(2-guanidinoethyl)-2,6-pyridinedicarboxamide. <i>Chinese Journal of Chemistry</i> , 2009, 27, 1721-1726.	2.7	1
141	Fabrication of Aligned Polyaniline Nanofiber Array via a Facile Wet Chemical Process. <i>Macromolecular Rapid Communications</i> , 2009, 30, 1027-1032.	2.0	18
142	Structures of planar defects in ZnO nanobelts and nanowires. <i>Micron</i> , 2009, 40, 335-342.	1.1	99
143	Sublimation-Induced Shape Evolution of Silver Cubes. <i>Small</i> , 2009, 5, 2812-2815.	5.2	57
144	Co-doped Y-shape ZnO nanostructures: Synthesis, structure and properties. <i>Solid State Communications</i> , 2009, 149, 293-296.	0.9	28

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145	Dynamic fatigue studies of ZnO nanowires by in situ transmission electron microscopy. <i>Physica Status Solidi - Rapid Research Letters</i> , 2009, 3, 260-262.	1.2	30
146	Patterned Growth of Horizontal ZnO Nanowire Arrays. <i>Journal of the American Chemical Society</i> , 2009, 131, 6670-6671.	6.6	97
147	Growth of Crossed ZnO Nanorod Networks Induced by Polar Substrate Surface. <i>Crystal Growth and Design</i> , 2009, 9, 17-19.	1.4	31
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