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Nanobelts of semiconducting oxides

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2314	Optical fiber nanowires and microwires: fabrication and applications. 2009 , 1, 107		
2313	Optical fiber nanowires and microwires: fabrication and applications. 2009 , 1, 107		
2312	10.1007/s10789-008-3010-6. 2000 , 1,		
2311	Zn nanobelts: a new quasi one-dimensional metal nanostructure. 2001 , 2632-2633		65
2310	Free-standing single crystal silicon nanoribbons. 2001 , 123, 11095-6		137
2309	Control of ZnO Morphology by Solution Route. 2001 , 692, 1		
2308	Growth of Highly Oriented ZnO Nanorods by Chemical Vapor Deposition. 2001 , 703, 1		4
2307	Preparation and photoluminescence properties of crystalline GeO ₂ nanowires. 2001 , 349, 210-214		122
2306	Synthesis of Fe ₂ O ₃ nanowires by oxidation of iron. 2001 , 350, 491-494		140
2305	Photoinduced conversion of silver nanospheres to nanoprisms. <i>Science</i> , 2001 , 294, 1901-3	33.3	2970
2304	Large-scale synthesis of single-crystalline InGa ₂ O ₃ nanoribbons, nanosheets and nanowires. 2001 , 13, L937-L941		32
2303	Locked twist in multiwalled carbon-nanotube ribbons. 2001 , 64,		56
2302	Nanobelts of the dielectric material Ge ₃ N ₄ . 2001 , 79, 4565-4567		45
2301	Heterostructures of ZnO/In coaxial nanocables and ZnO nanotubes. 2002 , 81, 1312-1314		306
2300	Optimization of tin dioxide nanosticks faceting for the improvement of palladium nanocluster epitaxy. 2002 , 80, 329-331		65
2299	Synthesis and Raman scattering study of rutile SnO ₂ nanowires. 2002 , 92, 2740-2742		84
2298	Electrical resistivity of polypyrrole nanotube measured by conductive scanning probe microscope: The role of contact force. 2002 , 81, 4625-4627		78

2297	Cu/SiO ₂ /Si nanowires with compositional modulation structure grown via thermal evaporation. 2002 , 81, 4425-4427	8
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2295	Hydrothermal preparation of long nanowires of vanadium oxide. 2002 , 17, 1981-1984	39
2294	EGa ₂ O ₃ nanowires synthesized from milled GaN powders. 2002 , 80, 479-481	83
2293	NANOBELTS OF SEMICONDUCTIVE OXIDES: A STRUCTURALLY AND MORPHOLOGICALLY CONTROLLED NANOMATERIALS SYSTEM. 2002 , 01, 41-51	15
2292	Photoluminescence of ZnO nanoparticles loaded into porous anodic alumina hosts. 2002 , 14, 12651-12656	25
2291	Measuring the Young's modulus of solid nanowires by in situ TEM. 2002 , 51, S79-S85	27
2290	Self-Organized ZnO Nanosize Islands with Low-Dimensional Characteristics on SiO ₂ /Si Substrates by Metalorganic Chemical Vapor Deposition. 2002 , 739, 481	1
2289	Nanomechanical Characterization on Zinc and Tin Oxides Nanobelts. 2002 , 740, 1	1
2288	Helical Crystalline SiC/SiO ₂ Core/Shell Nanowires. 2002 , 2, 941-944	238
2287	Observation of two- and three-dimensional magnesium oxide nanostructures formed by thermal treatment of magnesium diboride powder. 2002 , 81, 1687-1689	43
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2285	Gallium Oxide Nanoribbons and Nanosheets. 2002 , 106, 902-904	243
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2283	Cuprite Nanowires by Electrodeposition from Lyotropic Reverse Hexagonal Liquid Crystalline Phase. 2002 , 14, 876-880	99
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2280	Control of ZnO Morphology via a Simple Solution Route. 2002 , 14, 4172-4177	762

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2278	Novel method synthesis of CdO nanowires. 2002 , 35, L101-L104	49
2277	Synthesis of Oxygen-Deficient Indium-Tin-Oxide (ITO) Nanofibers. 2002 , 14, 4490-4493	80
2276	Large-Scale Rapid Oxidation Synthesis of SnO ₂ Nanoribbons. 2002 , 106, 3823-3826	343
2275	On the Growth of CdS Nanowires by the Evaporation of CdS Nanopowders. 2002 , 106, 10338-10341	116
2274	Tungsten Oxide Nanowires on Tungsten Substrates. 2002 , 2, 849-851	260
2273	Formation of ZnO nanostructures by a simple way of thermal evaporation. 2002 , 81, 757-759	837
2272	CuO Nanowires Can Be Synthesized by Heating Copper Substrates in Air. 2002 , 2, 1333-1338	847
2271	A Simple Method To Synthesize Nanowires. 2002 , 14, 3564-3568	173
2270	Lead oxide nanobelts and phase transformation induced by electron beam irradiation. 2002 , 80, 309-311	148
2269	Electrochemically Induced Sol-Gel Preparation of Single-Crystalline TiO ₂ Nanowires. 2002 , 2, 717-720	452
2268	Low-temperature synthesis of large-scale single-crystal molybdenum trioxide (MoO ₃) nanobelts. 2002 , 81, 4832-4834	133
2267	Site-specific growth of ZnO nanorods using catalysis-driven molecular-beam epitaxy. 2002 , 81, 3046-3048	327
2266	Solution Phase Synthesis of Cu(OH) ₂ Nanoribbons by Coordination Self-Assembly Using Cu ₂ S Nanowires as Precursors. 2002 , 2, 1397-1401	181
2265	Field emission from MoO ₃ nanobelts. 2002 , 81, 5048-5050	201
2264	SYNTHESIS AND STRUCTURE OF Ga ₂ O ₃ NANOSHEETS. 2002 , 16, 409-414	5
2263	Tin Oxide Nanowires, Nanoribbons, and Nanotubes. 2002 , 106, 1274-1279	472
2262	Self-Assembled Nanowire-Nanoribbon Junction Arrays of ZnO. 2002 , 106, 12653-12658	311

2261	Synthesis of hcp-Co Nanodisks. 2002 , 124, 12874-80	595
2260	Stable and highly sensitive gas sensors based on semiconducting oxide nanobelts. 2002 , 81, 1869-1871	1245
2259	Single-crystalline gallium nitride nanobelts. 2002 , 81, 126-128	94
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2257	The activation of benzene molecules by BN nanocrystals. 2002 , 57, 703-707	2
2256	Nanowires of metal borates. 2002 , 81, 3467-3469	74
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2254	Deterministic Synthesis of ZnO Nanorods. 2002 , 728, 3151	
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2252	Synthesis of very thin 1D and 2D CdWO ₄ nanoparticles with improved fluorescence behavior by polymer-controlled crystallization. 2002 , 41, 2356-60	130
2251	Synthesis and Characterization of Cu ₂ O Nanowires by a Novel Reduction Route. 2002 , 14, 67-69	434
2250	Synthesis of Ultra-Long and Highly Oriented Silicon Oxide Nanowires from Liquid Alloys. 2002 , 14, 122-124	133
2249	Low-Temperature Growth of Well-Aligned ZnO Nanorods by Chemical Vapor Deposition. 2002 , 14, 215-218	1091
2248	Low-Temperature Synthesis of Single-Crystal Germanium Nanowires by Chemical Vapor Deposition. 2002 , 114, 4977-4980	43
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2246	Low-temperature synthesis of single-crystal germanium nanowires by chemical vapor deposition. 2002 , 41, 4783-6	180
2245	Synthesis, assembly and device of 1-dimentional nanostructures. 2002 , 47, 1149-1156	
2244	Synthesis and characterization of several one-dimensional nanomaterials. 2002 , 33, 523-34	16

2243	Measuring the aspect ratios of ZnO nanobelts. 2002 , 33, 687-91	13
2242	Fabrication of Cu-induced networks of linear nanostructures on different length scales. 2002 , 50, 4925-4933	6
2241	Fabrication of semiconducting ZnO nanobelts using a halide source and their photoluminescence properties. 2002 , 299, 276-281	88
2240	Graphite/hydrogen reduction route to Ga ₂ O ₃ nanobelts. 2002 , 122, 493-496	31
2239	Localized cathodoluminescence investigation on single Ga ₂ O ₃ nanoribbon/nanowire. 2002 , 124, 417-421	45
2238	Growth of belt-like SnS crystals from ethylenediamine solution. 2002 , 244, 333-338	58
2237	Ga ₂ O ₃ nanomaterials synthesized from ball-milled GaN powders. 2002 , 244, 287-295	56
2236	Nanowires, nanobelts and related nanostructures of Ga ₂ O ₃ . 2002 , 351, 189-194	169
2235	Temperature dependence of morphology and diameter of silicon nanowires synthesized by laser ablation. 2002 , 358, 396-400	13
2234	Preparation of network-like MgO nanobelts on Si substrate. 2002 , 359, 141-145	63
2233	Optical properties of ZnS nanosheets, ZnO dendrites, and their lamellar precursor ZnS[(NH ₂ CH ₂ CH ₂ NH ₂) _{0.5}]. 2002 , 361, 362-366	73
2232	Synthesis of NiO nanorods by a novel simple precursor thermal decomposition approach. 2002 , 362, 119-122	175
2231	A facile vapor-solid synthetic route to Sb ₂ O ₃ fibrils and tubules. 2002 , 363, 34-38	52
2230	Low temperature growth and photoluminescence of well-aligned zinc oxide nanowires. 2002 , 363, 134-138	395
2229	Titanium oxide nanoribbons. 2002 , 363, 362-366	78
2228	Intensive green light emission from MgO nanobelts. 2002 , 363, 293-297	80
2227	Synthesis and structure of gallium nitride nanobelts. 2002 , 365, 525-529	48
2226	Selected-control hydrothermal synthesis of alpha- and beta-MnO(2) single crystal nanowires. 2002 , 124, 2880-1	910

2225	Photoluminescence and Infrared Properties of Al_2O_3 Nanowires and Nanobelts. 2002 , 106, 11163-11167	119
2224	Two-dimensional micrometer-sized single-crystalline ZnO thin nanosheets. 2003 , 83, 4414-4416	184
2223	Synthesis, electronic properties, and applications of indium oxide nanowires. 2003 , 1006, 104-21	57
2222	In Situ Structure Evolution from $\text{Cu}(\text{OH})_2$ Nanobelts to Copper Nanowires. 2003 , 107, 8275-8280	78
2221	Nanowires and Nanotubes of Complex Oxides. 2003 , 173-190	8
2220	Systematic synthesis and characterization of single-crystal lanthanide orthophosphate nanowires. 2003 , 125, 16025-34	418
2219	Low-temperature synthesis of soluble and processable organic-capped anatase TiO_2 nanorods. 2003 , 125, 14539-48	868
2218	Preparation and structure of magnesium oxide coated indium nanowires. 2003 , 382, 374-380	11
2217	Zinc oxide nanorods and their photoluminescence property. 2003 , 18, 20-22	
2216	Synthesis of ordered Al nanowire arrays. 2003 , 5, 1063-1067	15
2215	A novel method for preparing Co_3O_4 nanofibers by using electrospun PVA/cobalt acetate composite fibers as precursor. 2003 , 82, 1002-1006	148
2214	Catalytic growth of ZnO nanotubes. 2003 , 82, 997-1001	133
2213	Fabrication and characterization of highly ordered zirconia nanowire arrays by sol-gel template method. 2003 , 80, 524-528	66
2212	A novel low-temperature growth and characterization of single crystal ZnO nanorods. 2003 , 82, 705-710	113
2211	Diameter-Controlled Growth of Single-Crystalline In_2O_3 Nanowires and Their Electronic Properties. 2003 , 15, 143-146	328
2210	Synthesis and formation mechanism of manganese dioxide nanowires/nanorods. 2003 , 9, 300-6	501
2209	Large-scale synthesis and photoluminescence of single-crystalline Ga_2O_3 nanobelts. 2003 , 259, 291-295	49
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2207	A simple method to synthesize gallium oxide nanosheets and nanobelts. 2003 , 378, 660-664	54
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2204	Synthesis of large-scaled MoO_2 nanowire arrays. 2003 , 382, 443-446	35
2203	A novel method for making CuO superfine fibres via an electrospinning technique. 2003 , 6, 1409-1411	80
2202	WO_3 nanorods/nanobelts synthesized via physical vapor deposition process. 2003 , 367, 214-218	106
2201	Amorphous feather-like boron nanowires. 2003 , 367, 495-499	21
2200	Synthesis of high-purity GaP nanowires using a vapor deposition method. 2003 , 367, 717-722	30
2199	Bulk-quantity synthesis and self-catalytic VLS growth of SnO_2 nanowires by lower-temperature evaporation. 2003 , 369, 16-20	152
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2195	Self-assembly of semiconducting oxide nanowires, nanorods, and nanoribbons. 2003 , 372, 717-722	174
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2189	Raman scattering study of rutile SnO ₂ nanobelts synthesized by thermal evaporation of Sn powders. 2003 , 376, 103-107	203
2188	Catalytic growth of CdS nanobelts and nanowires on tungsten substrates. 2003 , 376, 653-658	105
2187	Growth mode of the SnO ₂ nanobelts synthesized by rapid oxidation. 2003 , 376, 794-798	61
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2185	Oxidation behaviour of copper nanorods. 2003 , 378, 85-88	30
2184	Anomalous nanostructured titanium dioxide. 2003 , 264, 89-94	18
2183	Synthesis and characterization of Cu/SiO ₂ composite nanowires. 2003 , 252, 167-173	7
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2181	Polymer-controlled growth of Sb ₂ Se ₃ nanoribbons via a hydrothermal process. 2003 , 252, 570-574	46
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2179	Fabrication and characterization of hexagonal wire-like ZnO. 2003 , 253, 357-360	14
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2171	Microwave plasma growth and high spatial resolution cathodoluminescent spectrum of tetrapod ZnO nanostructures. 2003 , 173, 109-113	13
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2164	Structures of indium oxide nanobelts. 2003 , 128, 1-4	61
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2158	Complex and oriented ZnO nanostructures. 2003 , 2, 821-6	1315
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2153	Luminescent and structural properties of ZnO nanorods prepared under different conditions. 2003 , 83, 141-143	292
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2151	Spontaneous Polarization-Induced Nanohelices, Nanosprings, and Nanorings of Piezoelectric Nanobelts. 2003 , 3, 1625-1631	986
2150	Synthesis and electronic transport studies of CdO nanoneedles. 2003 , 82, 1950-1952	161
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2148	Complex alpha-MoO(3) nanostructures with external bonding capacity for self-assembly. 2003 , 125, 2697-704	189
2147	One-step nanocasting synthesis of highly ordered single crystalline indium oxide nanowire arrays from mesostructured frameworks. 2003 , 125, 4724-5	195
2146	Growth mechanism and characterization of zinc oxide hexagonal columns. 2003 , 83, 3797-3799	106
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2129	A simple method to synthesize Dy(OH)(3) and Dy(2)O(3) nanotubes. 2003 , 125, 1494-5	239
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2126	Synthesis and field-emission properties of aligned MoO ₃ nanowires. 2003 , 83, 2653-2655	120
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2124	Hydrothermal synthesis of ZnO nanorods in the diameter regime of 50 nm. 2003 , 125, 4430-1	1191
2123	Rational Design and Fabrication of ZnO Nanotubes from Nanowire Templates in a Microwave Plasma System. 2003 , 107, 10114-10118	129
2122	Growth and luminescence characterization of large-scale zinc oxide nanowires. 2003 , 15, 2221-2226	87
2121	Synthesis of ZnO nanowhiskers by a simple method. 2003 , 57, 4079-4082	27
2120	Dual-mode mechanical resonance of individual ZnO nanobelts. 2003 , 82, 4806-4808	437
2119	Ultrasonication-Induced Formation of Silver Nanofibers in Reverse Micelles and Small-Angle X-ray Scattering Studies. 2003 , 107, 3679-3683	57
2118	Vapor phase synthesis of tungsten nanowires. 2003 , 125, 10792-3	77

2117	Crystallographic Orientation-Aligned ZnO Nanorods Grown by a Tin Catalyst. 2003 , 3, 1315-1320	355
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2115	One-Pot Synthesis and Characterization of Novel Silver-Gold Bimetallic Nanostructures with Hollow Interiors and Bearing Nanospikes. 2003 , 107, 12902-12905	54
2114	Synthesis and characterization of ZnS bicrystal nanoribbons. 2003 , 83, 2244-2246	46
2113	Low-Temperature Growth of ZnO Nanowire Array by a Simple Physical Vapor-Deposition Method. 2003 , 15, 3294-3299	288
2112	Formation of metallic zinc nanowires. 2003 , 93, 4807-4809	43
2111	Synthesis and optical properties of colloidal tungsten oxide nanorods. 2003 , 125, 3408-9	310
2110	Fabrication of ultrathin ZnO nanowires and their photoluminescence properties.	
2109	Catalytic growth and characterization of ZnO nano-needles. 2003 ,	
2108	Crystalline boron nanowires. 2003 , 82, 272-274	50
2107	Electronic transport studies of single-crystalline In ₂ O ₃ nanowires. 2003 , 82, 112-114	174
2106	Preparation of Tungsten Bronze Nanowires. 2003 , 789, 246	
2105	Synthesis of Aligned ZnO Hexagonal Nanorods and Its Application to ZnS Based DC Electroluminescent Devices. 2003 , 799, 233	1
2104	SEMICONDUCTOR NANOWIRES: FUNCTIONAL BUILDING BLOCKS FOR NANOTECHNOLOGY. 2003 , 183-226	4
2103	Shape-Controllable Synthesis of Indium Oxide Structures: Nanopyramids and Nanorods. 2003 , 18, 2793-2798	21
2102	Two-step oxygen injection process for growing ZnO nanorods. 2003 , 18, 2837-2844	46
2101	Controlled Structure of Gallium Oxide and Indium Oxide Nanowires. 2003 , 789, 103	2
2100	Nanodevice, Nanosensors and Nanocantilevers Based on Semiconducting Oxide Nanobelts. 2003 , 3-19	7

2099	Synthesis and Strong Blue-Green Emission Properties of ZnO Nanowires. 2003 , 20, 928-931	15
2098	Far-infrared absorption spectra and properties of SnO ₂ nanorods. 2003 , 82, 260-262	26
2097	Ultraviolet-emitting ZnO nanowhiskers prepared by a vapor transport process on prestructured surfaces with self-assembled polymers. 2003 , 93, 6252-6257	65
2096	Laser ablation synthesis of oxide nanowires and their properties.	
2095	Nanoscale mechanical behavior of individual semiconducting nanobelts. 2003 , 83, 993-995	78
2094	Thermodynamic argument about SnO ₂ nanoribbon growth. 2003 , 83, 635-637	105
2093	Nitrogen-doped gallium phosphide nanobelts. 2003 , 82, 3752-3754	36
2092	The synthesis of metal oxide nanowires by directly heating metal samples in appropriate oxygen atmospheres. 2003 , 14, 738-741	185
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2090	Large-scale synthesis of single-crystalline Te nanobelts by a low-temperature chemical vapour deposition route. 2003 , 14, 983-986	37
2089	Electronic transport studies and photo-detecting properties of indium oxide nanowires.	
2088	Influence of Mass Transport on Formation of Si-Nanostructures. 2003 , 20, 111-113	2
2087	Synthesis of SnO ₂ nanobelts and their structural characterization. 2003 , 36, L21-L24	19
2086	Synthesis of Zn nanofibres through simple thermal vapour-phase deposition. 2003 , 36, L35-L38	28
2085	Effects of Doping on the Growth of ZnO Nanostructures. 2003 , 776, 821	
2084	A Simple Route for the Synthesis of Rutile TiO ₂ Nanorods. 2003 , 32, 638-639	55
2083	Simple technique for bulk quantity synthesis of ZnO tetrapod nanorods. 2003 , 5219, 51	
2082	Synthesis of SnO ₂ Nanoribbons by Direct Oxidation of Tin Powders. 2003 , 32, 100-101	12

2081	Ultraviolet-emitting ZnO Microtube Array Synthesized by a Catalyst-assisted Flux Method. 2003 , 32, 1062-1063	22
2080	Synthesis of ZnO Nanobelts by Carbothermal Reduction and Their Photoluminescence Properties. 2003 , 32, 546-547	25
2079	Well-aligned ZnO Whiskers Prepared by Catalyst-assisted Flux Method. 2003 , 32, 838-839	6
2078	Large-scale Synthesis of Luminescent Y2O3:Eu Nanobelts. 2003 , 32, 862-863	39
2077	Synthesis of CdO Nanoneedles for Photonic and Sensing Applications. 2003 , 776, 711	1
2076	Preparation and characterization of highly ordered vanadium(IV) cyanide molecular magnet nanowire arrays. 2004 , 55, 775-781	
2075	Blue Luminescence of CdS Nanowires Synthesized by Sulfurization. 2004 , 21, 959-962	1
2074	Preparation and characterization of highly ordered vanadium(IV) cyanide molecular magnet nanowire arrays. 2004 , 15, 27-31	19
2073	Photoluminescence Characterization of Nanocrystalline ZnO Array. 2004 , 21, 2301-2304	7
2072	Aligned single crystal MgB2 nanowires. 2004 , 17, L31-L33	18
2071	Growth and luminescence properties of micro- and nanoneedles in sintered CdSe. 2004 , 85, 5968-5970	28
2070	Single-crystalline gallium-doped indium oxide nanowires. 2004 , 85, 461-463	45
2069	Template-free synthesis on single-crystalline InP nanotubes. 2004 , 85, 3869-3871	20
2068	Percolation network of growing V2O5 nanowires. 2004 , 84, 5392-5394	8
2067	Doping and planar defects in the formation of single-crystal ZnO nanorings. 2004 , 70,	75
2066	Luminescence of ZnSe nanowires grown by metalorganic vapor phase deposition under different pressures. 2004 , 95, 5752-5755	63
2065	Insights into microstructural evolution from nanocrystalline SnO2 thin films prepared by pulsed laser deposition. 2004 , 70,	111
2064	Two-dimensional extremely thin single-crystalline Bi3N4 microribbons. 2004 , 84, 804-806	25

2063	Electrochemically deposited nanowhiskers of nickel oxide as a high-power pseudocapacitive electrode. 2004 , 85, 4199-4201	116
2062	Structure and optical properties of cored wurtzite (Zn,Mg)O heteroepitaxial nanowires. 2004 , 96, 3424-3428	19
2061	Self-sacrificing template route to novel patterns of radially aligned Bi ₂ (Se,S) ₃ nanorods and Bi ₂ Se ₃ flakes. 2004 , 15, 1530-1534	19
2060	Formation of highly aligned ZnO tubes on sapphire (0001) substrates. 2004 , 84, 4098-4100	165
2059	Self-catalytic synthesis and photoluminescence of ZnO nanostructures on ZnO nanocrystal substrates. 2004 , 84, 2658-2660	96
2058	Microstructure of ZnO shell on Zn nanoparticles. 2004 , 19, 3062-3067	8
2057	Self-catalytic Branch Growth of SnO ₂ Nanowire Junctions. 2004 , 818, 287	1
2056	Nanomechanical Imaging and Nanoscale Elastic Modulus Measurements of SnO ₂ Nanobelts. 2004 , 821, 60	3
2055	ZnO nanostructures prepared by different methods. 2004 , 818, 347	1
2054	Nanolithographic Manipulated Cutting of Aligned Metal Oxide Nanowires. 2004 , 818, 7	
2053	Large scale assembly of carbon nanotube-based integrated circuit structures via "surface-programmed assembly" method.	
2052	Preparation and characterization of Tin Oxide Nanowires for gas sensing. 2004 , 818, 263	3
2051	CHARACTERIZATION OF SILICON OXIDE NANOWIRES DIRECTLY GROWN FROM NiO/Si. 2004 , 11, 179-183	5
2050	Self-Assembled Nanostructures. 2004 ,	7
2049	Controlled self-assembled nanoaeroplanes, nanocombs, and tetrapod-like networks of zinc oxide. 2004 , 15, 949-952	66
2048	Synthesis of SnO ₂ nanostructures by carbothermal reduction of SnO ₂ powder. 2004 , 37, 409-412	33
2047	Preparation and Luminescent Properties of ZnO Microrods and Microtubes. 2004 , 21, 1366-1369	12
2046	Textured tin dioxide films for gas recognition microsystems. 2004 , 30, 759-761	6

2045	Co-templating synthesis of highly dispersed 1D ZnO nanostructures in amorphous SiO ₂ under hydrothermal condition. 2004 , 6, 1341-1346	17
2044	Microstructural and photoluminescent characterization of one-dimensional ZnO nanostructures prepared by catalyst-assisted vapour-liquid-solid technique. 2004 , 87, 196-200	12
2043	Controlled synthesis of ZnO nanocrystals with column-, rosette- and fiber-like morphologies and their photoluminescence property. 2004 , 88, 150-154	10
2042	Sonochemical and microwave-assisted synthesis of linked single-crystalline ZnO rods. 2004 , 88, 421-426	229
2041	An improved sol-gel template synthetic route to large-scale CeO ₂ nanowires. 2004 , 39, 1023-1028	98
2040	Catalytic synthesis of long NbS ₂ nanowire strands. 2004 , 39, 901-908	19
2039	A facile method to prepare PbS nanorods. 2004 , 39, 1999-2005	19
2038	SEMICONDUCTOR NANOWIRES AND NANOTUBES. 2004 , 34, 83-122	1210
2037	Synthesis and characterization of single-crystalline In ₂ O ₃ nanocrystals via solution dispersion. 2004 , 20, 27-9	38
2036	SnO ₂ nanowhiskers and their ethanol sensing characteristics. 2004 , 15, 1682-1684	109
2035	Properties of nanobelts and nanotubes measured by in situ TEM. 2004 , 10, 158-66	12
2034	Synthesis and Characterization of Porous Magnesium Hydroxide and Oxide Nanoplates. 2004 , 108, 64-70	274
2033	Growth mechanism of needle-shaped ZnO nanostructures over NiO-coated Si substrates. 2004 , 21, 733-738	19
2032	Synthesis and characterization of high-quality In ₂ O ₃ nanobelts via catalyst-free growth using a simple physical vapor deposition at low temperature. 2004 , 384, 246-250	119
2031	Wurtzite ZnS nanosaws produced by polar surfaces. 2004 , 385, 8-11	117
2030	Development of one-dimensional nanostructures through the crystallization of amorphous colloids. 2004 , 273, 175-80	26
2029	Synthesis of zinc oxide nanorods using carbon nanotubes as templates. 2004 , 265, 184-189	44
2028	A novel method for making ZrO ₂ nanofibres via an electrospinning technique. 2004 , 267, 380-384	123

2027	Growth and characterization of ZnO core-shell polygon prismatic nanocrystals on Si. 2004 , 269, 425-431	12
2026	Synthesis and structural characteristics of high-quality tetrapodlike ZnO nanocrystals on ZnO and NiO nanocrystal substrates. 2004 , 270, 92-97	18
2025	Influence of ambient gases on the morphology and photoluminescence of ZnO nanostructures synthesized with nickel oxide catalyst. 2004 , 270, 491-497	20
2024	Helical carbon nanofibers with a symmetric growth mode. 2004 , 42, 1917-1922	81
2023	Molecular and nanoscale materials and devices in electronics. 2004 , 111, 133-57	67
2022	Nanotubular structures of zinc oxide. 2004 , 129, 671-675	81
2021	Growth mechanism and characterization of zinc oxide microcages. 2004 , 130, 517-521	73
2020	Multidimensional magnesium oxide nanostructures with cone-shaped branching. 2004 , 131, 485-488	11
2019	Epitaxial growth of WO _x nanorod array on W(001). 2004 , 5, 647-649	20
2018	Moderate hydrothermal synthesis of potassium titanate nanowires. 2004 , 78, 1063-1066	54
2017	Growth mechanism of ZnO nanorods from nanoparticles formed in a laser ablation plume. 2004 , 78, 299-301	125
2016	Large-scale fast production of amorphous Si-Al-O nanowires under ambient conditions. 2004 , 78, 295-298	4
2015	Creation of novel ZnO nanostructures: self-assembled nanoribbon/nanoneedle junction networks and faceted nanoneedles on hexagonal microcrystals. 2004 , 78, 15-19	21
2014	ZnO nanowalls. 2004 , 78, 539-542	94
2013	Fabrication and microstructure analysis of SeO ₂ nanowires. 2004 , 79, 2033-2036	2
2012	Effect of zinc sources on the morphology of ZnO nanostructures and their photoluminescence properties. 2004 , 79, 453-456	33
2011	Films and nanorods of transparent conducting oxide ITO by a citric acid sol route. 2004 , 79, 421-424	38
2010	Low-temperature growth of single-crystalline ZnO tubes on sapphire(0001) substrates. 2004 , 79, 1711-1714	9

2009	ZnO nano-rods synthesized by nano-particle-assisted pulsed-laser deposition. 2004 , 79, 1417-1419	74
2008	Synthesis and characterization of a large amount of branched Ni ₂ Si nanowires. 2004 , 79, 1853-1856	33
2007	Growth of single-crystal ZnS nanobelts through a low-temperature thermochemistry route and their optical properties. 2004 , 79, 1761-1763	4
2006	Spinel-type ZnSb ₂ O ₄ nanowires and nanobelts synthesized by an indirect thermal evaporation. 2004 , 79, 1865-1868	9
2005	On the growth mechanism and optical properties of ZnO multi-layer nanosheets. 2004 , 79, 1895-1900	87
2004	Synthesis and luminescent property of single-crystal ZnO nanobelts by a simple low temperature evaporation route. 2004 , 79, 1847-1851	69
2003	Nanostructures of zinc oxide. 2004 , 7, 26-33	1119
2002	Preparation of oriented TiO ₂ nanobelts by microemulsion technique. 2004 , 379, 7-10	25
2001	Structure-direct assembly of hexagonal pencil-like ZnO group whiskers. 2004 , 177, 176-180	24
2000	Synthesis of single-crystalline EGa ₂ O ₃ nanoribbons. 2004 , 201, 3051-3054	7
1999	Semiconducting and Piezoelectric Oxide Nanostructures Induced by Polar Surfaces. 2004 , 14, 943-956	495
1998	Amorphous gallium oxide nanowires synthesized by metalorganic chemical vapor deposition. 2004 , 111, 131-134	50
1997	ZnO nanowire growth and devices. 2004 , 47, 1-47	484
1996	Microstructure control of ZnO thin films prepared by single source chemical vapor deposition. 2004 , 458, 43-46	113
1995	Patterned aluminum nanowires produced by electron beam at the surfaces of AlF ₃ single crystals. 2004 , 129, 681-685	16
1994	Oxidation of a ZnS nanobelt into a ZnO nanotwin belt or double single-crystalline ZnO nanobelts. 2004 , 129, 233-238	37
1993	Growth of SnO ₂ nanowires with uniform branched structures. 2004 , 130, 89-94	137
1992	Low-temperature transport properties of individual SnO ₂ nanowires. 2004 , 130, 313-316	85

1991	Room temperature synthesis of Cu ₂ O nanocubes and nanoboxes. 2004 , 130, 585-589	69
1990	Synthesis, structure, and photoluminescence of Zn ₂ SnO ₄ single-crystal nanobelts and nanorings. 2004 , 131, 435-440	93
1989	Hydrothermal synthesis and photoluminescence properties of ZnO nanowires. 2004 , 132, 269-271	122
1988	The growth and optical properties of ZnO nanowires at the junctions of nanowalls. 2004 , 132, 837-840	19
1987	Selective area growth of ZnO crystals by electric current heating. 2004 , 172, 353-355	9
1986	Room-temperature excitonic lasing from ZnO single nanobelts. 2004 , 108, 385-388	45
1985	Synthesis of ZnO nanoparticles on Si substrates using a ZnS source. 2004 , 260, 309-315	33
1984	Selective growth of ZnO nanorods on pre-coated ZnO buffer layer. 2004 , 261, 520-525	38
1983	Synthesis of uniform rod-like, multi-pod-like ZnO whiskers and their photoluminescence properties. 2004 , 262, 290-294	71
1982	Synthesis and characterization of crystalline gallium nitride nanoribbon rings. 2004 , 263, 25-29	34
1981	Large-scale synthesis of ZnS nanosheets by the evaporation of ZnS nanopowders. 2004 , 263, 263-268	45
1980	Scaffolding and filling process: a new type of 2D crystal growth. 2004 , 263, 237-242	35
1979	The synthesis of In, In ₂ O ₃ nanowires and In ₂ O ₃ nanoparticles with shape-controlled. 2004 , 264, 363-368	61
1978	Structural and optoelectronic properties of SnO ₂ nanowires synthesized from ball-milled SnO ₂ powders. 2004 , 267, 145-149	88
1977	Growth and characterization of axially periodic Zn ₂ SnO ₄ (ZTO) nanostructures. 2004 , 267, 177-183	84
1976	Growth and properties of well-aligned ZnO hexagonal cones prepared by carbonthermal reaction. 2004 , 267, 223-230	19
1975	Large-scale synthesis of antimony nanobelt bundles. 2004 , 268, 215-221	28
1974	Growth mechanism and photoluminescence of CdS nanobelts on Si substrate. 2004 , 269, 304-309	43

1973	Self-organized nanocomb of ZnO fabricated by Au-catalyzed vapor-phase transport. 2004 , 270, 498-504	41
1972	Self-catalytic branch growth of SnO ₂ nanowire junctions. 2004 , 270, 505-510	62
1971	Seed-mediated synthesis of uniform ZnO nanorods in the presence of polyethylene glycol. 2004 , 270, 527-534	45
1970	Sonochemical synthesis of bismuth selenide nanobelts at room temperature. 2004 , 271, 456-461	43
1969	Synthesis of β -Ga ₂ O ₃ nanowire from elemental Ga metal and its photoluminescence study. 2004 , 23, 81-85	8
1968	Preparation and characterization of ZnO nanowires. 2004 , 24, 129-132	29
1967	Fabrication, structural characterization and optical properties of semiconducting gallium oxide nanobelts. 2004 , 322, 363-368	37
1966	Applications of electron nanodiffraction. 2004 , 35, 345-60	40
1965	Oxygen partial pressure effect on synthesis and characteristics of Sb ₂ O ₃ nanoparticles. 2004 , 366, 332-337	35
1964	Controlled synthesis of single-crystalline Mg(OH) ₂ nanotubes and nanorods via a solvothermal process. 2004 , 177, 2329-2338	50
1963	Preparation of Mn ₂ O ₃ and Mn ₃ O ₄ nanofibers via an electrospinning technique. 2004 , 177, 2628-2631	104
1962	Preparation and characterization of ZnO nanofibers by using electrospun PVA/zinc acetate composite fiber as precursor. 2004 , 7, 176-178	159
1961	AlN serrated nanoribbons synthesized by chloride assisted vapor-solid route. 2004 , 7, 545-547	46
1960	A novel and low-temperature hydrothermal synthesis of SnO ₂ nanorods. 2004 , 7, 929-931	46
1959	Electrochemically driven polycrystallization of SnO ₂ nanobelts. 2004 , 7, 809-811	6
1958	Shape-controlled synthesis of zinc oxide by microwave heating using an imidazolium salt. 2004 , 7, 1003-1005	123
1957	Nanocarving of titania (TiO ₂): a novel approach for fabricating chemical sensing platform. 2004 , 30, 1121-1126	33
1956	Formation of amorphous and crystalline gallium oxide nanowires by metalorganic chemical vapor deposition. 2004 , 233, 294-298	17

1955	Changing the shape of ZnO nanostructures by controlling Zn vapor release: from tetrapod to bone-like nanorods. 2004 , 385, 155-159	65
1954	Indium-doped zinc oxide nanobelts. 2004 , 387, 466-470	190
1953	Hydrothermal synthesis of oriented ZnO nanobelts and their temperature dependent photoluminescence. 2004 , 393, 17-21	75
1952	Cu(OH) ₂ nanowires, CuO nanowires and CuO nanobelts. 2004 , 393, 64-69	153
1951	Growth of zinc hollow nanofibers and nanotubes by thermal evaporation–condensation–deposition route. 2004 , 393, 498-503	6
1950	Tris(8-hydroxyquinoline) aluminium nanowires: a simple synthesis method. 2004 , 394, 203-206	16
1949	Zinc oxide ribbon and comb structures: synthesis and optical properties. 2004 , 394, 452-457	74
1948	Growth of aligned ZnO nanorod arrays by catalyst-free pulsed laser deposition methods. 2004 , 396, 21-26	377
1947	Facile synthesis of single-crystal tin oxide nanorods with tunable dimensions via hydrothermal process. 2004 , 398, 201-206	72
1946	ZnO Nanorods grown on cotton fabrics at low temperature. 2004 , 398, 250-255	123
1945	Formation of CuO nanowires on Cu foil. 2004 , 399, 62-66	156
1944	Influence of shape anisotropy on photoluminescence characteristics in LaPO ₄ :Eu nanowires. 2004 , 399, 384-388	34
1943	Temperature-dependent growth mode and photoluminescence properties of ZnO nanostructures. 2004 , 399, 522-526	47
1942	Effects of metal buffer layer on the morphology of the ZnO columns. 2004 ,	
1941	Large-scale synthesis of high-purity, one-dimensional β -Al ₂ O ₃ structures. 2004 , 14, 3058-3062	6
1940	The preparation and characterization of sol-gel zinc silicate glass particles with pyramid shape and millimetre size. 2004 , 14, 1744-1748	7
1939	Simple Fabrication Method for ZnO Nanoneedle Structures. 2004 ,	
1938	Formation of MgO nanorods in the reaction zone of a Mg–CuO powder mixture by in-situ reaction. 2004 , 84, 69-80	4

1937	Controlled growth of core-shell Si ₃ N ₄ and amorphous SiO ₂ nanowires directly from NiO/Si. 2004 , 15, S365-S370	39
1936	Growth of Well Aligned IrO ₂ Nanotubes on LiTaO ₃ (012) Substrate. 2004 , 16, 2457-2462	26
1935	Pt/ZnO nanowire Schottky diodes. 2004 , 85, 3107-3109	116
1934	Solution phase synthesis of magnesium hydroxide sulfate hydrate nanoribbons. 2004 , 15, 1625-1627	14
1933	Luminescence emission originating from nitrogen doping of Ta ₂ O ₃ nanowires. 2004 , 69,	126
1932	Zinc oxide nanowires and nanorods fabricated by vapour-phase transport at low temperature. 2004 , 15, 839-842	39
1931	Magnetic properties of Mn doped ZnO tetrapod structures. 2004 , 84, 756-758	170
1930	Selenium Nanotubes Synthesized by a Novel Solution Phase Approach. 2004 , 108, 1179-1182	86
1929	Preparation and Optical Properties of Prism-Shaped GaN Nanorods. 2004 , 108, 12024-12026	61
1928	Two-dimensional dendritic ZnO nanowires from oxidation of Zn microcrystals. 2004 , 85, 4142-4144	124
1927	Fabricating Semiconductor Nano/Microwires and Transfer Printing Ordered Arrays of Them onto Plastic Substrates. 2004 , 4, 1953-1959	193
1926	Catalyst-Assisted Vapor-Liquid-Solid Growth of Single-Crystal CdS Nanobelts and Their Luminescence Properties. 2004 , 108, 20045-20049	94
1925	Fluorescence and aggregation behavior of poly(amidoamine) dendrimers peripherally modified with aromatic chromophores: the effect of dendritic architectures. 2004 , 126, 15180-94	87
1924	A simple and general method for the synthesis of multicomponent Na ₂ V ₆ O ₁₆ ·3H ₂ O single-crystal nanobelts. 2004 , 126, 3422-3	149
1923	Growth of Ternary Oxide Nanowires by Gold-Catalyzed Vapor-Phase Evaporation. 2004 , 108, 8249-8253	68
1922	Ring-Like Nanosheets Standing on Spindle-Like Rods: Unusual ZnO Superstructures Synthesized from a Flakelike Precursor Zn ₅ (OH) ₈ Cl ₂ ·H ₂ O. 2004 , 108, 4338-4341	77
1921	Electrical Properties of Tin Dioxide Two-Dimensional Nanostructures. 2004 , 108, 1882-1887	65
1920	Optical Properties of Rectangular Cross-sectional ZnS Nanowires. 2004 , 4, 1663-1668	185

1919	Synthesis of Nickel Hydroxide Nanoribbons with a New Phase: A Solution Chemistry Approach. 2004 , 108, 7531-7533	83
1918	Synthesis of square gadolinium-oxide nanoplates. 2004 , 126, 7456-7	225
1917	Experimental measurement and model analysis of damping effect in nanoscale mechanical beam resonators in air. 2004 , 96, 3933-3938	83
1916	Using Buckyballs To Cut Off Light! Novel Fullerene Materials with Unique Optical Transmission Characteristics. 2004 , 16, 4790-4798	18
1915	Au-Mediated Growth of Wurtzite ZnS Nanobelts, Nanosheets, and Nanorods via Thermal Evaporation. 2004 , 108, 9728-9733	77
1914	Controlled Synthesis of V-shaped SnO ₂ Nanorods. 2004 , 108, 13589-13593	63
1913	ZnO Well-Faceted Fibers with Periodic Junctions. 2004 , 108, 19901-19903	40
1912	Laser emission of low-threshold excitation from ZnO nanowires. 2004 , 68, 740-745	23
1911	Synthesis and Characterization of Aligned ZnO Nanorods on Porous Aluminum Oxide Template. 2004 , 108, 11976-80	98
1910	Formation of piezoelectric single-crystal nanorings and nanobows. 2004 , 126, 6703-9	243
1909	Structure Analysis of Nanowires and Nanobelts by Transmission Electron Microscopy. 2004 , 108, 12280-12291	158
1908	Room temperature solution synthesis of monodispersed single-crystalline ZnO nanorods and derived hierarchical nanostructures. 2004 , 20, 4196-204	263
1907	Metal-Semiconductor ZnO/ZnO Core-Shell Nanobelts and Nanotubes. 2004 , 108, 570-574	205
1906	Interface and defect structures of ZnO/ZnO core-shell heteronanobelts. 2004 , 95, 306-310	68
1905	Atomic-scale nanowires: physical and electronic structure. 2004 , 16, R721-R754	66
1904	Hierarchical Growth of Mixed Ammonium Molybdenum/Tungsten Bronze Nanorods. 2004 , 16, 1433-1440	39
1903	Synthesis and Electrochemical Properties of Single-Crystal V ₂ O ₅ Nanorod Arrays by Template-Based Electrodeposition. 2004 , 108, 9795-9800	234
1902	Simple Template-Free Solution Route for the Controlled Synthesis of Cu(OH) ₂ and CuO Nanostructures. 2004 , 108, 17825-17831	287

1901	Zinc oxide nanotetrapods. 2004 , 15, 365-369	104
1900	One-Step Synthesis of Submicrometer Fibers of MoO ₃ . 2004 , 16, 1126-1134	105
1899	Large-Scale, solution-phase growth of single-crystalline SnO ₂ nanorods. 2004 , 126, 5972-3	489
1898	Hydrothermal route to ZnO nanocoral reefs and nanofibers. 2004 , 84, 287-289	83
1897	Thermal conductivities of individual tin dioxide nanobelts. 2004 , 84, 2638-2640	112
1896	Large-Scale Synthesis of Six-Nanometer-Wide ZnO Nanobelts. 2004 , 108, 8773-8777	268
1895	Fabrication of Single-Crystalline Semiconductor CdS Nanobelts by Vapor Transport. 2004 , 108, 7002-7005	92
1894	Synthesis and photoluminescence of ⁶ Al ₂ O ₃ nanowires. 2004 , 16, 4157-4163	32
1893	Control Growth of One-Dimensional Nanostructures of Organic Materials. 2004 , 108, 7744-7747	21
1892	Optical, Electronic, and Dynamic Properties of Semiconductor Nanomaterials. 2004 , 201-255	
1891	Piezoelectric Characterization of Individual Zinc Oxide Nanobelt Probed by Piezoresponse Force Microscope. 2004 , 4, 587-590	575
1890	Pressure-Dependent ZnO Nanocrystal Growth in a Chemical Vapor Deposition Process. 2004 , 108, 10899-10902	48
1889	Zinc oxide nanostructures: growth, properties and applications. 2004 , 16, R829-R858	2510
1888	Shape control and associated magnetic properties of spinel cobalt ferrite nanocrystals. 2004 , 126, 6164-8	710
1887	Low Temperature Synthesis of Flowerlike ZnO Nanostructures by Cetyltrimethylammonium Bromide-Assisted Hydrothermal Process. 2004 , 108, 3955-3958	446
1886	The vibrational properties of one-dimensional ZnO:Ce nanostructures. 2004 , 84, 416-418	115
1885	Introduction. 2004 , 12, 505	
1884	Large-Scale Fabrication of Tower-like, Flower-like, and Tube-like ZnO Arrays by a Simple Chemical Solution Route. 2004 , 20, 3441-3448	427

1883	Vertically Aligned Sulfur-Doped ZnO Nanowires Synthesized via Chemical Vapor Deposition. 2004 , 108, 5206-5210		180
1882	Nanoribbon waveguides for subwavelength photonics integration. <i>Science</i> , 2004 , 305, 1269-73	33.3	803
1881	Transition Metal Oxide Core/Shell Nanowires: Generic Synthesis and Transport Studies. 2004 , 4, 1241-1246		145
1880	Evidence for the Monolayer Assembly of Poly(vinylpyrrolidone) on the Surfaces of Silver Nanowires. 2004 , 108, 12877-12881		226
1879	Zinc Selenide Nanoribbons and Nanowires. 2004 , 108, 2784-2787		149
1878	Electrical transport properties of single ZnO nanorods. 2004 , 85, 2002-2004		138
1877	Polar-surface dominated ZnO nanobelts and the electrostatic energy induced nanohelices, nanosprings, and nanospirals. 2004 , 84, 975-977		271
1876	Manganese-doped ZnO nanobelts for spintronics. 2004 , 84, 783-785		285
1875	Crystal orientation-ordered ZnS nanowire bundles. 2004 , 126, 14372-3		110
1874	The fabrication and optical properties of highly crystalline ultra-long Cu-doped ZnO nanowires. 2004 , 15, 1152-1155		91
1873	Materials science. Self-assembled nanocoils. <i>Science</i> , 2004 , 303, 1308-9	33.3	27
1872	Lithium-Assisted Synthesis and Characterization of Crystalline 3C-SiC Nanobelts. 2004 , 108, 20102-20104		124
1871	Single-crystalline tin-doped indium oxide whiskers: Synthesis and characterization. 2004 , 85, 4759-4761		57
1870	Synthesis of flower-like ZnO nanostructures by an organic-free hydrothermal process. 2004 , 15, 622-626		265
1869	Single-crystal nanorings formed by epitaxial self-coiling of polar nanobelts. <i>Science</i> , 2004 , 303, 1348-51	33.3	1295
1868	Positive temperature coefficient resistance and humidity sensing properties of Cd-doped ZnO nanowires. 2004 , 84, 3085-3087		146
1867	Formation of Two-Dimensional Nanomaterials of Boron Carbides. 2004 , 108, 7651-7655		34
1866	Controlled synthesis and characterization of large-scale, uniform Dy(OH) ₃ and Dy ₂ O ₃ single-crystal nanorods by a hydrothermal method. 2004 , 15, 1307-1311		54

1865	Room-temperature single nanoribbon lasers. 2004 , 84, 1189-1191	134
1864	Synthesis and characterization of bismuth single-crystalline nanowires and nanospheres. 2004 , 43, 7552-6	163
1863	Low-temperature growth and properties of ZnO nanowires. 2004 , 84, 4941-4943	154
1862	Preparation and characterization of ZnO nanotubes. 2004 ,	
1861	Zinc oxide single-crystal microtubes. 2004 , 85, 5140-5142	69
1860	Field emission from gallium-doped zinc oxide nanofiber array. 2004 , 84, 1540-1542	234
1859	Reversible wettability of a chemical vapor deposition prepared ZnO film between superhydrophobicity and superhydrophilicity. 2004 , 20, 5659-61	421
1858	Nanopropeller arrays of zinc oxide. 2004 , 84, 2883-2885	282
1857	Growth of Oxide Nanorod Arrays through Sol Electrophoretic Deposition. 2004 , 108, 19921-19931	95
1856	Characterization of ZnO needle-shaped nanostructures grown on NiO catalyst-coated Si substrates. 2004 , 144, 61-68	36
1855	Large-scale synthesis of aligned hexagonal ZnO nanorods using chemical vapor deposition. 2004 , 58, 2195-2198	26
1854	Formation and properties of Cd(OH) ₂ and CdO particles. 2004 , 58, 2494-2499	144
1853	Synthesis and phase structure of tantalum nanoparticles. 2004 , 58, 3017-3020	23
1852	Rapid hydrothermal synthesis of ZnO nanorods without organics. 2004 , 58, 3350-3352	48
1851	Optical absorptive characteristics of ZnO tetrapod nanowhiskers. 2004 , 58, 3792-3795	6
1850	Preparation and photoluminescence of zinc sulfide nanowires. 2004 , 58, 3836-3838	28
1849	Low-temperature growth and optical properties of radial ZnO nanowires. 2004 , 58, 3976-3979	34
1848	Silver Nanoplates: Size Control in Two Dimensions and Formation Mechanisms. 2004 , 108, 5500-5506	228

1847	CHEMICAL SENSING AND CATALYSIS BY ONE-DIMENSIONAL METAL-OXIDE NANOSTRUCTURES. 2004 , 34, 151-180	942
1846	Structure evaluation and highly enhanced luminescence of Dy ³⁺ -doped ZnO nanocrystals by Li ⁺ -doping via combustion method. 2004 , 20, 3528-31	170
1845	Functional oxide nanobelts: materials, properties and potential applications in nanosystems and biotechnology. 2004 , 55, 159-96	398
1844	Synthesis and Field-Emission Properties of Ga ₂ O ₃ Nanocables. 2004 , 16, 5158-5161	40
1843	Nanospring formation—unexpected catalyst mediated growth. 2004 , 16, R415-R440	66
1842	Heterostructures of ZnO Nanorods with Various One-Dimensional Nanostructures. 2004 , 108, 12318-12326	122
1841	Large-scale growth of In ₂ O ₃ nanowires and their optical properties. 2004 , 15, 596-600	98
1840	ZnO nanostructures prepared from ZnO:CNT mixtures. 2004 ,	3
1839	Nondestructive mechanical imaging of SnO ₂ nanobelts. 2004 , 5392, 14	1
1838	Spontaneous polarization induced growth of ZnO nanostructures.	1
1837	Solvothermal Synthesis of Sodium and Potassium Tantalate Perovskite Nanocubes. 2004 , 33, 900-901	35
1836	Glucose Reduction Route Synthesis of Uniform Silver Nanowires in Large-scale. 2004 , 33, 1160-1161	22
1835	Novel Synthesis of Tin Dioxide Nanoribbons via a Mild Solution Approach. 2004 , 33, 54-55	23
1834	Synthesis of Needle-like and Flower-like Zinc Oxide by a Simple Surfactant-free Solution Method. 2004 , 33, 988-989	21
1833	CdS Nanobelts on Si Substrate. 2004 , 33, 228-229	18
1832	Topotaxial Nucleation and Growth of TiO ₂ Submicron-Scale Rod Arrays on Titanium Substrates via Sodium Tetraborate Glass Coating. 2004 , 112, 567-571	12
1831	Self-assembled zinc oxide nanodots on silicon oxide. 2005 , 10, 121-124	3
1830	Formation and Optical Properties of Thin and Wide Tin-doped ZnO Nanobelts. 2005 , 34, 436-437	74

1829	Fabrication of Single-crystalline MoO ₃ Nanobelts by Using Carbons. 2005 , 34, 1428-1429	5
1828	Synthesis of Tb ³⁺ -doped ZnO Nanowire Arrays Through a Facile Sol-Gel Template Approach. 2005 , 34, 828-829	22
1827	Microwave-assisted Preparation of Titanate Nanotubes. 2005 , 34, 1168-1169	27
1826	Fabrication of Metal Cadmium Nanowires by an Assistant Thermal Decomposition Method. 2005 , 34, 1482-1483	7
1825	Soft Template Synthesis of Highly Crystalline Microscale Nanotubules of PbO. 2005 , 34, 1226-1227	5
1824	Low-Temperature Synthesis of c-Axis Oriented Submicrometer-scale ZnO Cones. 2005 , 34, 536-537	4
1823	Synthesis and Characterization of Single Crystal Fe ₂ O ₃ Nanobelts. 2005 , 34, 184-185	26
1822	Growth of In ₂ O ₃ nanocrystal chains by a vapor transport and condensation method. 2005 , 244, 101-106	15
1821	Laser synthesis of amorphous Si ₃ N ₄ oxide nanowires under atmospheric conditions. 2005 , 247, 631-635	2
1820	Sonochemical synthesis of mass single-crystal PbS nanobelts. 2005 , 178, 399-403	42
1819	Controllable growth of zinc oxide micro- and nanocrystals by oxidization of Zn-Cu alloy. 2005 , 178, 819-824	6
1818	Synthesis and characterization of vanadium oxides nanorods. 2005 , 178, 2152-2158	106
1817	A water-ethanol mixed-solution hydrothermal route to silicates nanowires. 2005 , 178, 2332-2338	24
1816	The surface and materials science of tin oxide. 2005 , 79, 47-154	1903
1815	TiO ₂ -SnO ₂ nanostructures and their H ₂ sensing behavior. 2005 , 108, 29-33	96
1814	Electrospun biocomposite nanofibers for urea biosensing. 2005 , 108, 585-588	129
1813	Tin oxide nanobelts electrical and sensing properties. 2005 , 111-112, 2-6	100
1812	Surface free energy and its effect on the elastic behavior of nano-sized particles, wires and films. 2005 , 53, 1827-1854	579

1811	Nanosized flower-like ZnO synthesized by a simple hydrothermal method and applied as matrix for horseradish peroxidase immobilization for electro-biosensing. 2005 , 99, 2046-53	64
1810	Detection of humidity based on quartz crystal microbalance coated with ZnO nanostructure films. 2005 , 368, 94-99	61
1809	Well-aligned zinc oxide nanorods and nanowires prepared without catalyst. 2005 , 274, 126-131	76
1808	Self-assembly ZnO nanorods by pulsed laser deposition under argon atmosphere. 2005 , 274, 167-172	91
1807	Synthesis and properties of ZnO multipod structures. 2005 , 274, 430-437	11
1806	Rapid synthesis and photoluminescence of novel ZnO nanotetrapods. 2005 , 274, 447-452	38
1805	Nucleation and growth of SnO ₂ nanowires. 2005 , 275, e2083-e2087	39
1804	Temperature-induced morphological changes of ZnO grown by metalorganic chemical vapor deposition. 2005 , 276, 158-164	50
1803	Comparative studies on the growth behavior of ZnO nanorods by metalorganic chemical vapor deposition depending on the type of substrates. 2005 , 276, 458-464	46
1802	Preparation and characterization of BaB ₂ O ₄ nanoparticles via coprecipitation. 2005 , 276, 478-484	17
1801	A soft-template-assisted hydrothermal approach to single-crystal Fe ₃ O ₄ nanorods. 2005 , 276, 571-576	147
1800	Nucleation and growth of ZnO micro- and nanobelts during thermal evaporation. 2005 , 277, 321-329	15
1799	Synthesis of single crystalline cadmium nanosheets by a thermal decomposition method. 2005 , 277, 445-449	15
1798	Catalyst-free synthesis of ZnO nanowires on Si by oxidation of Zn powders. 2005 , 277, 471-478	108
1797	ZnO nanostructure networks grown on silicon substrates. 2005 , 277, 490-495	19
1796	Synthesis and photoluminescence of gallium oxide ultra-long nanowires and thin nanosheets. 2005 , 279, 122-128	38
1795	Synthesis and characterization of one-dimensional K _{0.27} MnO ₂ ·0.5H ₂ O. 2005 , 280, 292-299	17
1794	Effect of thermal annealing on the structural and the optical properties of ZnO/MgO nanostructures. 2005 , 279, 494-500	17

1793	Low-temperature synthesis of nanocrystalline ZnO by thermal decomposition of a green single-source inorganic precursor in air. 2005 , 280, 250-254	74
1792	Control of ZnO morphologies via surfactants assisted route in the subcritical water. 2005 , 280, 126-134	61
1791	Growth and properties of ZnO nanotubes grown on Si(111) substrate by plasma-assisted molecular beam epitaxy. 2005 , 280, 206-211	22
1790	A precursor-growth-pyrolysis approach to two-dimensional ZnO micro-platelets with hexagonal morphologies. 2005 , 280, 244-249	10
1789	Shape-controlled synthesis of ZnO nano- and micro-structures. 2005 , 280, 509-515	53
1788	Simple hydrothermal preparation of -MnOOH nanowires and their low-temperature thermal conversion to MnO ₂ nanowires. 2005 , 280, 652-657	54
1787	Thermal evaporation growth and the luminescence property of TiO ₂ nanowires. 2005 , 281, 384-390	161
1786	Fabrication of gadolinium biphthalocyanine nano/microwires by electrophoretic deposition. 2005 , 281, 530-537	16
1785	Zno nanostructures fabricated through a double-tube vapor-phase transport synthesis. 2005 , 282, 85-93	31
1784	ZnO flowers made up of thin nanosheets and their optical properties. 2005 , 282, 165-172	119
1783	Novel ZnO microballs synthesized via pyrolysis of zinc-acetate in oxygen atmosphere. 2005 , 282, 506-512	17
1782	Zno nanoshells: Synthesis, structure, and optical properties. 2005 , 283, 134-140	26
1781	Formation of quasi-aligned ZnCdO nanorods and nanoneedles. 2005 , 283, 373-377	37
1780	Formation of zinc oxide micro-disks via layer-by-layer growth and growth mechanism of ZnO nanostructures. 2005 , 283, 332-338	21
1779	AlN nanorings. 2005 , 283, 291-296	48
1778	Synthesis and characterization of In ₂ O ₃ /SnO ₂ hetero-junction beaded nanowires. 2005 , 284, 73-79	33
1777	Non-catalytic synthesis of ZnO nanocolumns with different cross-sections. 2005 , 284, 80-85	7
1776	Radial spherical ZnO structures with nanorods grown on both sides of a hollow sphere-like core. 2005 , 284, 142-148	10

1775	Optical characterization of ZnO whiskers grown without catalyst by hot wall epitaxy method. 2005 , 284, 166-171	15
1774	Gas-flow assisted bulk synthesis of V-type SnO ₂ nanowires. 2005 , 285, 49-53	12
1773	In ₂ O ₃ nanorod formation induced by substrate structure. 2005 , 285, 400-407	51
1772	Supersaturation-controlled synthesis of two types of single-sided ZnO comb-like nanostructures by thermal evaporation at low temperature. 2005 , 285, 541-548	29
1771	Large-area synthesis of single-crystal boehmite nanobelts with high luminescent properties. 2005 , 285, 555-560	50
1770	Preparation and photoluminescence of Sc-doped ZnO nanowires. 2005 , 25, 587-591	13
1769	Fabrication, structural characterization and the photoluminescence properties of ZnO nanoneedle arrays. 2005 , 27, 302-307	14
1768	Preparation of ZnO Nanorods and optical characterizations. 2005 , 28, 76-82	91
1767	Structural and electronic properties of single-wall ZnO nanotubes. 2005 , 28, 162-170	53
1766	Synthesis of beta-gallium oxide nanobelts through microwave plasma chemical vapor deposition. 2005 , 30, 155-158	11
1765	Nucleation mechanism and microstructural assessment of SnO ₂ nanowires prepared by pulsed laser deposition. 2005 , 345, 391-397	16
1764	Nano-tin dioxide/NaY zeolite composite material: Preparation, morphology, adsorption and hydrogen sensitivity. 2005 , 83, 60-66	18
1763	Probing nano-scale mechanical characteristics of individual semi-conducting nanobelts. 2005 , 409, 223-226	15
1762	Fabrication of the ordered FeS ₂ (pyrite) nanowire arrays in anodic aluminum oxide. 2005 , 122, 156-159	13
1761	STM and STS characterization of ZnO nanorods. 2005 , 27, 1276-1280	8
1760	Nanocrystalline ZnO films prepared by pyrolysis of Zn-arachidate LB multilayers. 2005 , 257-258, 445-449	21
1759	Tin oxide nanosensor fabrication using AC dielectrophoretic manipulation of nanobelts. 2005 , 51, 943-951	49
1758	Two-dimensional ZnO:Al nanosheets and nanowalls obtained by Al ₂ O ₃ -assisted carbothermal evaporation. 2005 , 486, 191-194	34

1757	Effects of laser-ablated impurity on aligned ZnO nanorods grown by chemical vapor deposition. 2005 , 487, 35-39	49
1756	Scalable synthesis of Sb(III)Sb(V)O ₄ nanorods from Sb ₂ O ₅ powder via solvothermal processing. 2005 , 133, 765-769	14
1755	Straight single-crystalline germanium nanowires and their patterns grown on sol-gel prepared gold/silica substrates. 2005 , 134, 251-255	14
1754	Remarkable improvement of brightness for the green emissions in Ce ³⁺ and Tb ³⁺ co-activated LaPO ₄ nanowires. 2005 , 134, 753-757	20
1753	Interpenetrative and transverse growth process of self-catalyzed ZnO nanorods. 2005 , 134, 741-745	34
1752	Synthesis of ZnO three-dimensional architectures and their optical properties. 2005 , 136, 304-307	54
1751	Modification and assembly of titanate sodium nanotubes. 2005 , 257-258, 521-524	16
1750	Morphology-controlled synthesis, growth mechanism and optical properties of ZnO nanonails. 2005 , 401, 414-419	67
1749	Vertically aligned ZnO nanowires produced by a catalyst-free thermal evaporation method and their field emission properties. 2005 , 404, 69-73	98
1748	Fractal dimension and photoluminescence of ZnO tetrapod nanowhiskers. 2005 , 406, 457-461	34
1747	Growth temperature controlled shape variety of ZnO nanowires. 2005 , 407, 91-94	53
1746	Three-dimensional interconnected nanowire networks of ZnO. 2005 , 408, 174-178	71
1745	Buffer layer effect on ZnO nanorods growth alignment. 2005 , 408, 335-338	36
1744	Synthesis and photoluminescence of corn-like ZnO nanostructures under solvothermal-assisted heat treatment. 2005 , 409, 337-341	57
1743	Fabrication and optical properties of highly ordered ZnO nanodot arrays. 2005 , 411, 37-42	42
1742	Synthesis of wustite nanowires by carbon plasma pulse assisted method. 2005 , 410, 436-440	4
1741	Bulk-quantity synthesis of single-crystalline indium nitride nanobelts. 2005 , 411, 361-365	10
1740	Chemical fabrication of Al ₂ O ₃ nano-trilobes. 2005 , 287, 108-115	4

1739	Gallium oxide nanomaterials produced on SiO ₂ substrates via thermal evaporation. 2005 , 242, 29-34	17
1738	Zinc oxide nanorod and nanowire for humidity sensor. 2005 , 242, 212-217	364
1737	Controlled synthesis of nanorods/nanorings of a novel Co-Cu complex in microemulsion at room temperature. 2005 , 1740-2	18
1736	Conversion of zinc oxide nanobelts into superlattice-structured nanohelices. <i>Science</i> , 2005 , 309, 1700-4	33.3 769
1735	A comprehensive review of ZnO materials and devices. 2005 , 98, 041301	8776
1734	Semiconductor morphology: optimizing properties by tuning morphology. 2005 , 4, 883-4	35
1733	A general strategy for nanocrystal synthesis. 2005 , 437, 121-4	2257
1732	Study of assembling ZnO nanorods into chrysanthemum-like crystals. 2005 , 91, 130-133	33
1731	Room temperature growth of CuO nanorod arrays on copper and their application as a cathode in dye-sensitized solar cells. 2005 , 93, 35-40	265
1730	Self-assembly of CdS: from nanoparticles to nanorods and arrayed nanorod bundles. 2005 , 93, 65-69	45
1729	Vertically well-aligned ZnO nanowires generated with self-assembling polymers. 2005 , 94, 29-33	29
1728	Synthesis of Sb ₂ O ₃ nanorods under hydrothermal conditions. 2005 , 40, 469-474	29
1727	Synthesis of aluminium borate nanowires by sol-gel method. 2005 , 40, 1551-1557	35
1726	Synthesis of cadmium hydroxide nanoflake and nanowisker by hydrothermal method. 2005 , 59, 56-58	43
1725	Synthesis of single-crystalline bismuth nanobelts and nanosheets. 2005 , 59, 909-911	18
1724	Novel morphologies of ZnO nanotetrapods. 2005 , 59, 560-563	37
1723	Fabrication and mechanism of FeSi ₂ nanobars on (001) silicon wafer. 2005 , 59, 833-837	8
1722	Hydrothermal fabrication of copper sulfide nanocones and nanobelts. 2005 , 59, 1008-1011	47

1721	Synthesis and characterization of multipod, flower-like, and shuttle-like ZnO frameworks in ionic liquids. 2005 , 59, 1405-1408	108
1720	Synthesis and photoluminescence properties of novel SnO ₂ asterisk-like nanostructures. 2005 , 59, 1984-1988	43
1719	Sonochemical method for the preparation of ZnO nanorods and trigonal-shaped ultrafine particles. 2005 , 59, 1745-1747	39
1718	Some critical factors in the synthesis of CdS nanorods by hydrothermal process. 2005 , 59, 3037-3041	18
1717	Synthesis, characterization and optical properties of regularly shaped, single-crystalline sisal-like ZnO nanostructures. 2005 , 59, 3572-3576	11
1716	A low-temperature synthesis of multiwhisker-based zinc oxide micron crystals. 2005 , 59, 3710-3714	45
1715	Ethylenediamine assisted growth of single crystal tellurium channels. 2005 , 59, 3779-3782	5
1714	Synthesis of ZnO hexagonal columnar pins by chemical vapor deposition. 2005 , 59, 3870-3875	33
1713	Effect of buffer layer on solution deposited ZnO films. 2005 , 59, 3994-3999	26
1712	Effect of N ₂ flow rate on morphology and structure of ZnO nanocrystals synthesized via vapor deposition. 2005 , 52, 63-67	56
1711	Synthesis of H ₂ V ₃ O ₈ Single-Crystal Nanobelts. 2005 , 2005, 2060-2063	38
1710	Self-Assembly and Fluorescent Modification of Hydroxyapatite Nanoribbon Spherulites. 2005 , 2005, 4145-4149	43
1709	Synthesis and Characterization of SnO ₂ One-dimensional Nanostructures. 2005 , 23, 337-340	6
1708	Growth of tin oxide nanocrystals. 2005 , 40, 932-936	21
1707	Germanium-catalyzed growth of zinc oxide nanowires: a semiconductor catalyst for nanowire synthesis. 2004 , 44, 274-8	51
1706	Single-crystal mesoporous silica ribbons. 2004 , 44, 332-6	48
1705	Germanium-Catalyzed Growth of Zinc Oxide Nanowires: A Semiconductor Catalyst for Nanowire Synthesis. 2005 , 117, 278-282	11
1704	Single-Crystal Mesoporous Silica Ribbons. 2005 , 117, 336-340	5

1703	Temperature-Controlled Catalytic Growth of ZnS Nanostructures by the Evaporation of ZnS Nanopowders. 2005 , 15, 63-68	249
1702	Growth of Aligned Square-Shaped SnO ₂ Tube Arrays. 2005 , 15, 57-62	158
1701	Halide-Transport Chemical Vapor Deposition of Luminescent ZnS:Mn ²⁺ One-Dimensional Nanostructures. 2005 , 15, 303-308	74
1700	Growth of Bulk ZnO Single Crystals via a Novel Hydrothermal Oxidative Pressure-Relief Route. 2005 , 15, 331-335	20
1699	Growth of Wurtzite ZnS Micrometer-Sized Diskettes and Nanoribbon Arrays with Improved Luminescence. 2005 , 15, 757-762	47
1698	Architectural Control of Hierarchical Nanobelt Superstructures in Catanionic Reverse Micelles. 2005 , 15, 442-450	127
1697	Photolithographic Route to the Fabrication of Micro/Nanowires of III/V Semiconductors. 2005 , 15, 30-40	98
1696	Bonding Polyether onto ZnO Nanoparticles: An Effective Method for Preparing Polymer Nanocomposites with Tunable Luminescence and Stable Conductivity. 2005 , 15, 1751-1756	121
1695	Self-Assembled Nanofibers from Random Silicate Platelets. 2005 , 17, 301-304	35
1694	Growth and Field Emission of Hierarchical Single-Crystalline Wurtzite AlN Nanoarchitectures. 2005 , 17, 110-114	124
1693	Spontaneous Transformation of Stabilizer-Depleted Binary Semiconductor Nanoparticles into Selenium and Tellurium Nanowires. 2005 , 17, 358-363	133
1692	Vanadium Pentoxide Nanobelts: Highly Selective and Stable Ethanol Sensor Materials. 2005 , 17, 764-767	486
1691	Self-Assembly of ZnO Nanorods and Nanosheets into Hollow Microhemispheres and Microspheres. 2005 , 17, 756-760	375
1690	ZnO Nanorod Logic Circuits. 2005 , 17, 1393-1397	185
1689	Twinning-Mediated Growth of Al ₂ O ₃ Nanobelts and Their Enhanced Dielectric Responses. 2005 , 17, 1661-1665	159
1688	Synthesis of ZnO Nanocrystals with Cone, Hexagonal Cone, and Rod Shapes via Non-Hydrolytic Ester Elimination Sol-Gel Reactions. 2005 , 17, 1873-1877	246
1687	Controlled Growth and Field-Emission Properties of Cobalt Oxide Nanowalls. 2005 , 17, 1595-1599	235
1686	Sub-10 nm High-Aspect-Ratio Patterning of ZnO Using an Electron Beam. 2005 , 17, 1757-1761	60

1685	ZnO Inverse Opals by Chemical Vapor Deposition. 2005 , 17, 2761-2765	86
1684	Three-Dimensional Tungsten Oxide Nanowire Networks. 2005 , 17, 2107-2110	302
1683	Cylindrical Silver Nanowires: Preparation, Structure, and Optical Properties. 2005 , 17, 2626-2630	148
1682	Nanocrystalline ZnO as an Efficient Heterogeneous Catalyst for the Synthesis of 5-Substituted 1H-Tetrazoles. 2005 , 347, 1212-1214	168
1681	Nanotubes and Nanowires. 2005 , 208-284	18
1680	Orthogonal PbS nanowire arrays and networks and their Raman scattering behavior. 2005 , 11, 1889-94	121
1679	Near-room-temperature production of diameter-tunable ZnO nanorod arrays through natural oxidation of zinc metal. 2005 , 11, 3149-54	65
1678	Controlled hydrothermal synthesis of bismuth oxyhalide nanobelts and nanotubes. 2005 , 11, 6519-24	179
1677	Bicrystalline indium oxide nanobelts. 2005 , 81, 539-542	29
1676	Controllable morphologies of ZnO nanocrystals: nanowire attracted nanosheets, nanocartridges and hexagonal nanotowers. 2005 , 80, 35-38	21
1675	Hierarchical evolution of arrayed nanowires, nanorods, and nanosheets in ZnO. 2005 , 80, 43-46	14
1674	Synthesis of Ga ₂ O ₃ nanowires by an MOCVD approach. 2005 , 81, 763-765	36
1673	Tin-doped indium oxide nanobelts grown by carbothermal reduction method. 2005 , 80, 23-25	24
1672	UV photoresponse of single ZnO nanowires. 2005 , 80, 497-499	98
1671	Growth of Ga ₂ O ₃ nanobelts on Ir-coated substrates. 2005 , 80, 537-540	31
1670	Hydrogen and ozone gas sensing using multiple ZnO nanorods. 2005 , 80, 1029-1032	91
1669	Nucleation and growth of SnO ₂ nanocrystallites prepared by pulsed laser deposition. 2005 , 81, 959-962	27
1668	A novel interconnection technique for manufacturing nanowire devices. 2005 , 80, 1133-1140	67

1667	An MOCVD route to In ₂ O ₃ one-dimensional materials with novel morphologies. 2005 , 81, 1135-1138	19
1666	Preparation and structural characterization of nanocrystalline SnO ₂ powders. 2005 , 81, 721-723	18
1665	Single-crystalline ZnS tubular structures: preparation and characterization. 2005 , 80, 1689-1692	3
1664	Detection of hydrogen at room temperature with catalyst-coated multiple ZnO nanorods. 2005 , 81, 1117-1119	68
1663	Ultraviolet lasing and field emission characteristics of ZnO nano-rods synthesized by nano-particle-assisted pulsed-laser ablation deposition. 2005 , 81, 907-910	42
1662	Controlled growth of semiconducting oxides hierarchical nanostructures. 2005 , 178, 2804-2810	13
1661	Synthesis of titanate, TiO ₂ (B), and anatase TiO ₂ nanofibers from natural rutile sand. 2005 , 178, 3110-3116	127
1660	Hydrothermal synthesis and characterization of ZnO nanorods. 2005 , 393, 80-82	62
1659	Fabrication of nanowires of multicomponent oxides: Review of recent advances. 2005 , 25, 738-751	103
1658	Superhydrophobicity of 2D ZnO ordered pore arrays formed by solution-dipping template method. 2005 , 287, 634-9	163
1657	Two-dimensional zinc oxide nanostructure. 2005 , 134, 283-286	20
1656	Synthesis and photoluminescence properties of Bi ₂ S ₃ nanowires via surfactant micelle-template inducing reaction. 2005 , 134, 239-243	37
1655	Pressure-induced phase transformation in controlled shape ZnO nanorods. 2005 , 135, 780-784	29
1654	Synthesis of ZnO nanowalls on Al ₂ O ₃ (0001) by catalyst-free metalorganic chemical vapor deposition. 2005 , 11, 165-168	4
1653	Synthesis of trans-bis(glycinato) copper(II) complex nanorods by room temperature solid-state reaction. 2005 , 50, 758-760	1
1652	Growth and formation mechanism of sea urchin-like ZnO nanostructures on Si. 2005 , 22, 489-493	18
1651	A novel route to synthesizing monoclinic tungsten oxide nanostructures. 2005 , 57, 57-59	14
1650	Fabrication approaches to ZnO nanowire devices. 2005 , 34, 404-408	17

1649	EGa ₂ O ₃ nanorods crossing perpendicularly each other on MgO (100) substrate. 2005 , 40, 4145-4147	2
1648	Formation of bicrystalline EGa ₂ O ₃ nanorods. 2005 , 40, 4703-4705	2
1647	Annealing effects on the structural and optical properties of gallium oxide nanowires. 2005 , 16, 103-105	8
1646	Temperature dependent structural and optical properties of nanocrystalline CdO thin films deposited by sol-gel process. 2005 , 7, 219-225	26
1645	Synthesis and optical properties of Pb-doped ZnO nanowires. 2005 , 202, 405-410	31
1644	Nanobelts and nanocones of spinel Zn ₂ SnO ₄ . 2005 , 202, 435-440	31
1643	Cathodoluminescence spectroscopy of single SnO ₂ nanowires and nanobelts. 2005 , 202, 2963-2970	19
1642	Solution route to inorganic nanobelt-conducting organic polymer core-shell nanocomposites. 2005 , 43, 2892-2900	50
1641	Flexible wurtzite-type ZnS nanobelts with quantum-size effects: a diethylenetriamine-assisted solvothermal approach. 2005 , 1, 320-5	122
1640	Direct observation of the growth process of MgO nanoflowers by a simple chemical route. 2005 , 1, 422-8	156
1639	Temperature-dependent growth of germanium oxide and silicon oxide based nanostructures, aligned silicon oxide nanowire assemblies, and silicon oxide microtubes. 2005 , 1, 429-38	50
1638	Small colorful ribbons for nanoscience. 2005 , 1, 378-80	9
1637	Unconventional gallium oxide nanowires. 2005 , 1, 883-8	52
1636	Top-down fabrication of semiconductor nanowires with alternating structures along their longitudinal and transverse axes. 2005 , 1, 1052-7	22
1635	Thermally driven interfacial dynamics of metal/oxide bilayer nanoribbons. 2005 , 1, 858-65	22
1634	High-yield synthesis of single-crystal nanosprings of ZnO. 2005 , 1, 945-9	122
1633	Electrons in a Periodic Crystal. 2005 , 161-239	
1632	Synthesis and characterization of one-dimensional WO ₂ nanorods. 2005 , 23, 2141	49

1631	Synthesis of trans-bis(glycinato) copper(II) complex nanorods by room temperature solid-state reaction. 2005 , 50, 758	2
1630	Hydrothermal Synthesis of Zn-Al-O Composite Nanorods. 2005 , 23, 117-120	
1629	Direct Observation of Excitonic Lasing from Single ZnO Nanobelts at Room Temperature. 2005 ,	
1628	One-dimensional Ga ₂ O ₃ nanostructures on sapphire (0001): Low-temperature epitaxial nanowires and high-temperature nanorod bundles. 2005 , 20, 3397-3403	7
1627	Superconductors in confined geometries. 2005 , 887, 1	
1626	Formation of Zn-ZnO Polygon Prismatic Nanocrystals by Liquid Source via Thermal Vapor Transport. 2005 , 480-481, 309-314	
1625	Assembly of Fullerene Arrays Templated by DNA Scaffolds. 2005 , 17, 6521-6524	11
1624	Large-Scale Synthesis of In ₂ O ₃ Nanowires and Their Characterization. 2005 , 475-479, 3513-3516	1
1623	Synthesis of shuttle-like ZnO nanostructures from precursor ZnS nanoparticles. 2005 , 16, 1469-1473	38
1622	Synthesis of ZnO Nanorods by Laser Ablation of ZnO and Zn Targets in He and O ₂ Background Gas. 2005 , 44, 688-691	32
1621	The impact of ageing on the magnetic properties of Cu(OH) ₂ nanoribbons. 2005 , 16, 1623-1629	5
1620	Morphology-controllable preparation of 1D poly(vinyl pyrrolidone) nanostructured arrays. 2005 , 16, 433-436	14
1619	Nanometre to micrometre wide ZnS nanoribbons. 2005 , 16, 3074-3078	14
1618	On the thermal annealing conditions for self-synthesis of tungsten carbide nanowires from WC(x) films. 2005 , 16, 273-7	20
1617	Controllable fabrication of SiGe/Si and SiGe/Si/Cr helical nanobelts. 2005 , 16, 655-663	113
1616	Synthesis and Properties of ZnO Nano-ribbon and Comb Structures. 2005 ,	2
1615	Growth of TiO ₂ nanorods by two-step thermal evaporation. 2005 , 23, 2122	27
1614	Selective growth of vertical ZnO nanowires on ZnO:GaBi ₃ N ₄ SiO ₂ Bi templates. 2005 , 23, 2292	11

1613	Development of x-ray nanodiffraction instrumentation for studies of individual nano-objects. 2005 , 16, 1754-1760	10
1612	Temperature-controlled growth of ZnO nanostructures: branched nanobelts and wide nanosheets. 2005 , 16, 2561-2566	39
1611	Electrostatic capacitance of TiO ₂ nanowires in a porous alumina template. 2005 , 16, 1449-1453	18
1610	From zinc nanowires to zinc oxide nanowires: a low substrate-temperature approach. 2005 , 38, 1068-1071	25
1609	pH measurements with single ZnO nanorods integrated with a microchannel. 2005 , 86, 112105	127
1608	Anomalous electrorheological behavior of ZnO nanowires. 2005 , 87, 033114	21
1607	Quasi-aligned ZnO nanotubes grown on Si substrates. 2005 , 87, 093110	53
1606	Zinc oxide nanoarrays in nanoporous nickel phosphate with a huge blueshift ultraviolet-visible exciton absorption peak. 2005 , 87, 093113	13
1605	Electronic transport imaging in a multiwire SnO ₂ chemical field-effect transistor device. 2005 , 98, 044503	58
1604	Preparation and characterization of ZnO particles embedded in SiO ₂ matrix by reactive magnetron sputtering. 2005 , 97, 103509	59
1603	Low-temperature (~250°C) route to lateral growth of ZnO nanowires. 2005 , 87, 253104	24
1602	One-dimensional zigzag gallium nitride nanostructures. 2005 , 97, 104315	43
1601	Synthesis and field emission properties of TiSi ₂ nanowires. 2005 , 86, 243103	66
1600	Synthesis and characterization of quasi-aligned ZnCdO nanorods. 2005 , 87, 143101	25
1599	Artificial control of ZnO nanodots by ion-beam nanopatterning. 2005 , 97, 104316	17
1598	Mechanical behavior and magnetic separation of quasi-one-dimensional SnO ₂ nanostructures: A technique for achieving monosize nanobelts/nanowires. 2005 , 97, 074309	9
1597	Low-temperature growth of β -Ga ₂ O ₃ nanobelts through a simple thermochemical route and their phonon spectra properties. 2005 , 87, 113101	8
1596	Integration of metal oxide nanobelts with microsystems for nerve agent detection. 2005 , 86, 063101	112

1595	Growth of single conductive nanowires at prescribed loci. 2005 , 87, 263112	13
1594	Fabrication, morphology, structure, and photoluminescence of ZnS and CdS nanoribbons. 2005 , 98, 024312	48
1593	Growth and Electrochemical Properties of Single-Crystalline V ₂ O ₅ Nanorod Arrays. 2005 , 44, 662-668	59
1592	Synthesis of mesoporous ZnO nanowires through a simple in situ precipitation method. 2005 , 16, 671-674	39
1591	Nanostructured stars of ZnO microcrystals with intense stimulated emission. 2005 , 87, 163103	19
1590	Large electromechanical response in ZnO and its microscopic origin. 2005 , 72,	38
1589	Mechanical and electrical characterization of β -Ga ₂ O ₃ nanostructures for sensing applications. 2005 , 5, 20-25	32
1588	Transmission electron microscopy and electron energy-loss spectroscopy analysis of manganese oxide nanowires. 2005 , 86, 063113	46
1587	Towards Linear Nano Servomotors with Integrated Position Sensing.	2
1586	Flower-shaped ZnO nanostructures obtained by cyclic feeding chemical vapour deposition: structural and optical properties. 2005 , 16, 2462-8	100
1585	GROWTH, OPTICAL AND THERMAL PROPERTIES OF ZINC OXIDE NANO WIRES. 2005 , 19, 4247-4258	6
1584	SYNTHESIS AND CHARACTERIZATION OF HIGH-QUALITY GaN NANORODS WITH TRIANGULAR CROSS SECTION. 2005 , 19, 2859-2864	1
1583	THERMAL EVAPORATION SYNTHESIS OF ZnO MICROSHELLS. 2005 , 19, 2722-2727	1
1582	MORPHOLOGICAL CHARACTERISTIC AND PHOTOLUMINESCENCE PROPERTY OF ZnO TETRAPOD NANOSTRUCTURES PREPARED BY SELF-SUBSTRATE METHOD. 2005 , 19, 2871-2876	1
1581	SYNTHESIS AND CHARACTERIZATION OF TUNGSTEN OXIDE NANORODS. 2005 , 12, 745-748	5
1580	Scanning Transmission Electron Microscopy. 2005 , 455-491	1
1579	Defect emissions in ZnO nanostructures. 2005 ,	1
1578	Restructuring tungsten thin films into nanowires and hollow square cross-section microducts. 2005 , 20, 2889-2894	11

1577	Synthesis of metal Sn nanobelts from SnO ₂ nanopowders by a substitution reaction. 2005 , 16, 2887-2891	11
1576	Engineered metal-oxide-metal heterojunction nanowires. 2005 , 20, 2613-2617	29
1575	Fabrication and photoluminescence of SiO ₂ -sheathed semiconducting nanowires: the case of ZnS/SiO ₂ . 2005 , 16, 501-505	37
1574	Growth behaviour of well-aligned ZnO nanowires on a Si substrate at low temperature and their optical properties. 2005 , 16, 2455-61	43
1573	In-Situ Electron Microscopy for Nanomeasurements. 2005 , 493-530	
1572	H/sub 2/ and NO/sub 2/ gas sensors with ZnO nanobelt layer on 36/spl deg/ LiTaO/sub 3/ and 64/spl deg/ LiNbO/sub 3/ SAW transducers.	1
1571	Preparation and structure analysis of Gd(OH) ₃ nanorods. 2005 , 16, 595-597	33
1570	Morphology and Properties of Tetraleg ZnO Nanostructures Fabricated by Zn-Powder Evaporation without Catalysts at Lower Temperature. 2005 , 879, 1	1
1569	Synthesis of single-crystalline alpha-Si(3)N(4) nanobelts by extended vapour-liquid-solid growth. 2005 , 16, 2282-7	60
1568	Zinc Powder Evaporation: an Efficient Way of Synthesizing a Wide Range of High-quality ZnO Nanostructures at Lower Temperature. 2005 , 872, 1	1
1567	A simple method to synthesize single-crystalline Zn ₂ SnO ₄ (ZTO) nanowires and their photoluminescence properties. 2005 , 16, 2928-2931	106
1566	Nanotubes in spray deposited Nanocrystalline HgTe: I thin films. 2005 , 901, 1	
1565	Electron energy-loss spectroscopy study of ZnO nanobelts. 2005 , 54, 287-91	23
1564	Synthesis of Tris(8-hydroxyquinoline) aluminum (Alq 3) nanowires under different conditions. 2005 , ,	
1563	Large-area synthesis of high-quality beta-MnO(2) nanowires and the mechanism of formation through a facile mineralization process. 2005 , 16, 2072-6	25
1562	Directed spatial organization of zinc oxide nanorods. 2005 , 5, 83-6	176
1561	Nanoarchitectures of semiconducting and piezoelectric zinc oxide. 2005 , 97, 044304	123
1560	Synthesis of single-crystal CdS microbelts using a modified thermal evaporation method and their photoluminescence. 2005 , 109, 9294-8	103

1559	Sonochemical Synthesis, Optical Properties, and Electrical Properties of Core/Shell-Type ZnO Nanorod/CdS Nanoparticle Composites. 2005 , 17, 887-892	255
1558	Large-scale synthesis of hexagonal pyramid-shaped ZnO nanocrystals from thermolysis of Zn-oleate complex. 2005 , 109, 14792-4	119
1557	Synthesis of classes of ternary metal oxide nanostructures. 2005 , 5721-35	148
1556	CeO ₂ nanorods and gold nanocrystals supported on CeO ₂ nanorods as catalyst. 2005 , 109, 19169-74	200
1555	Quantum confinement of excitons in dendrite-like GaN nanowires. 2005 , 98, 086104	11
1554	Preparation of single-crystalline NdVO ₄ nanorods, and their emissions in the ultraviolet and blue under ultraviolet excitation. 2005 , 109, 11544-7	35
1553	Growth and spatially resolved luminescence of low dimensional structures in sintered ZnO. 2005 , 16, 931-935	42
1552	Room-Temperature Hydrogen-Selective Sensing Using Single Pt-Coated ZnO Nanowires at Microwatt Power Levels. 2005 , 8, G230	55
1551	Synthesis of photoconducting ZnO nano-needles using an unbalanced magnetron sputtered ZnO/Zn/ZnO multilayer structure. 2005 , 16, 1167-1171	88
1550	Hydrogen-selective sensing at room temperature with ZnO nanorods. 2005 , 86, 243503	475
1549	In situ oriented crystal growth in a ceramic nanostructured system. 2005 , 97, 024313	27
1548	An array of Eiffel-tower-shape AlN nanotips and its field emission properties. 2005 , 86, 233104	82
1547	Gas-phase synthesis of nitrogen-doped TiO ₂ nanorods by microwave plasma torch at atmospheric pressure. 2005 , 12, 114501	19
1546	Growth of light-emitting silicate nanowires on individual Au particles in self-assembled hexagonal Au particle networks. 2005 , 87, 163101	11
1545	CdS nanobelts as photoconductors. 2005 , 86, 173105	180
1544	Nucleation mechanism of the seed of tetrapod ZnO nanostructures. 2005 , 98, 034307	74
1543	Self-assembled nanoarchitectures of polar nanobelts/nanowires. 2005 , 15, 1021	131
1542	Surfactant-free hydrothermal synthesis of lithium aluminate microbricks and nanorods from aluminium oxide nanoparticles. 2005 , 4471-3	5

1541	Selective synthesis of single-crystalline selenium nanobelts and nanowires in micellar solutions of nonionic surfactants. 2005 , 21, 6161-4	74
1540	Large-scale synthesis and self-assembly of monodisperse hexagon Cu ₂ S nanoplates. 2005 , 21, 4281-2	113
1539	Catalyst-assisted vapor-liquid-solid growth of single-crystal Ga ₂ O ₃ nanobelts. 2005 , 109, 13143-7	38
1538	One-step synthesis of Sb ₂ O ₃ broom-like belts with controllable morphology. 2005 , 83, 1093-1097	4
1537	Electronic transition and energy transfer processes in LaPO ₄ -Ce ³⁺ /Tb ³⁺ nanowires. 2005 , 109, 11450-5	114
1536	Morphology-controlled large-scale synthesis of ZnO nanocrystals from bulk ZnO. 2005 , 1158-60	46
1535	Synthesis and gas sensing properties of ZnO single crystal flakes. 2005 , 15, 2316	86
1534	The Application of Dielectrophoresis to Nanowire Sorting and Assembly for Sensors.	1
1533	Packaging of ZnO nanobelts as nanosensors: Synthesis, Alignment and Characterization.	
1532	Optical routing and sensing with nanowire assemblies. 2005 , 102, 7800-5	201
1531	Growth and Physical Characterization of Polygon Prismatic Hollow ZnO Crystals. 2005 , 5, 483-487	18
1530	Molten salt route toward the growth of ZnO nanowires in unusual growth directions. 2005 , 109, 23269-73	57
1529	Synthesis and optical properties of CdS nanoribbons. 2005 , 109, 19134-8	62
1528	Encoding morphology in oxide nanostructures during their growth. 2005 , 5, 2019-22	53
1527	Rapid Synthesis of Zinc Oxide and Lead Oxide Nanorods by One-Step Solid-State Reaction Methods at Ambient Conditions. 2005 , 475-479, 3579-3582	4
1526	Review on the Production and Synthesis of Nanosized SnO ₂ . 2005 , 106, 57-62	9
1525	Deterministic Growth of Nanostructures and Microcrystals of Trigonal Selenium via Vapor Phase Deposition Routes. 2005 , 5, 1295-1301	10
1524	Kinetics-driven growth of orthogonally branched single-crystalline magnesium oxide nanostructures. 2005 , 109, 11204-8	108

1523	Synthesis and ethanol sensing properties of ZnSnO ₃ nanowires. 2005 , 86, 233101	115
1522	A molecular dynamics study of the structural dependence of boron oxide nanoparticles on shape. 2005 , 5, 363-8	7
1521	Growth of Bi ₂ Se ₃ Nanobelts Synthesized through a Co-Reduction Method under Ultrasonic Irradiation at Room Temperature. 2005 , 5, 1711-1714	43
1520	Low-temperature growth and photoluminescence property of ZnS nanoribbons. 2005 , 109, 18352-5	46
1519	Growth of ZnO Crystals with Branched Spindles and Prismatic Whiskers from Zn ₃ (OH) ₂ V ₂ O ₇ ·H ₂ O Nanosheets by a Hydrothermal Route. 2005 , 5, 935-939	55
1518	Zinc Oxide Nanowires Grown by Vapor-Phase Transport Using Selected Metal Catalysts: A Comparative Study. 2005 , 17, 4227-4234	111
1517	Nanowire array gratings with ZnO combs. 2005 , 5, 723-7	99
1516	Selected-Control Synthesis of NaV ₆ O ₁₅ and Na ₂ V ₆ O ₁₆ ·H ₂ O Single-Crystalline Nanowires. 2005 , 5, 969-974	63
1515	Preparation and properties of ternary ZnMgO nanowires. 2005 , 109, 23930-4	45
1514	Controlled Synthesis of In ₂ O ₃ Octahedrons and Nanowires. 2005 , 5, 1617-1621	163
1513	Color-tunable photoluminescence of alloyed CdS(x)Se(1-x) nanobelts. 2005 , 127, 15692-3	206
1512	Precursor-induced hydrothermal synthesis of flowerlike cupped-end microrod bundles of ZnO. 2005 , 109, 1361-3	81
1511	Controllable synthesis and optical properties of novel ZnO cone arrays via vapor transport at low temperature. 2005 , 109, 2733-8	64
1510	From Multicomponent precursor to nanoparticle nanoribbons of ZnO. 2005 , 109, 1113-7	94
1509	Systematic study on experimental conditions for large-scale growth of aligned ZnO nanowires on nitrides. 2005 , 109, 9869-72	117
1508	Controllable assembly of aligned ZnO nanowires/belts arrays. 2005 , 109, 20746-50	38
1507	Preparation and characterization of straight and zigzag AlN nanowires. 2005 , 109, 3701-3	42
1506	ZnO nanobelt arrays grown directly from and on zinc substrates: synthesis, characterization, and applications. 2005 , 109, 15303-8	111

1505	Hydrogen sensing at room temperature with Pt-coated ZnO thin films and nanorods. 2005 , 87, 222106	244
1504	Single-crystalline Sb-doped SnO ₂ nanowires: synthesis and gas sensor application. 2005 , 3841-3	199
1503	Controlled synthesis of CeO ₂ nanorods by a solvothermal method. 2005 , 16, 1454-1463	287
1502	Morphological control and photoluminescence of zinc oxide nanocrystals. 2005 , 109, 14314-8	195
1501	Raman scattering and photoluminescence of quasi-aligned ternary ZnCdO nanorods. 2005 , 38, 2919-2922	40
1500	Growth of β -Ga ₂ O ₃ nanocolumns crossing perpendicularly each other on MgO (1 0 0) surface. 2005 , 390, 261-264	7
1499	Synthesis and structural investigation of β -Ga ₂ O ₃ nanosheets and nanobelts. 2005 , 402, 204-207	17
1498	Bulk-quantity SnO ₂ nanorods synthesized from simple calcining process based on annealing precursor powders. 2005 , 351, 3619-3623	7
1497	Carbon-assisted synthesis of aligned ZnO nanowires. 2005 , 59, 2710-2714	22
1496	Sequential occurrence of ZnO nanopaticles, nanorods, and nanotips during hydrothermal process in a dilute aqueous solution. 2005 , 59, 3393-3397	36
1495	A new class of approach for hybrid inorganic/organic materials containing semiconductor ZnO. 2005 , 148, 313-319	18
1494	Theoretical study of the stability of defects in single-walled carbon nanotubes as a function of their distance from the nanotube end. 2005 , 72,	73
1493	Growth and field-emission property of tungsten oxide nanotip arrays. 2005 , 87, 223108	203
1492	Morphological control of ZnO nanostructures by electrodeposition. 2005 , 109, 13519-22	338
1491	Growth and luminescence properties of micro- and nanotubes in sintered tin oxide. 2005 , 97, 044316	75
1490	Solvothermal synthesis of ultralong single-crystalline TiO ₂ nanowires. 2005 , 29, 969	71
1489	Structural analysis and growing mechanisms for long SnO ₂ nanorods synthesized by spray pyrolysis. 2005 , 16, 688-694	63
1488	Synthesis and evolution of novel hollow ZnO urchins by a simple thermal evaporation process. 2005 , 109, 10578-83	173

1487	Peculiar ZnO nanopushpins and nanotubes synthesized via simple thermal evaporation. 2005 , 87, 123111	62
1486	Growth of self-organized hierarchical ZnO nanoarchitectures by a simple In/In ₂ S ₃ controlled thermal evaporation process. 2005 , 109, 10779-85	88
1485	Synthesis and optical properties of S-doped ZnO nanostructures: nanonails and nanowires. 2005 , 109, 5491-6	154
1484	Controlled synthesis and anomalous magnetic properties of relatively monodisperse CoO nanocrystals. 2005 , 16, 2288-94	61
1483	Controlled large-scale synthesis and magnetic properties of single-crystal cobalt nanorods. 2005 , 98, 074311	39
1482	Synthesis of Square Bi ₂ WO ₆ Nanoplates as High-Activity Visible-Light-Driven Photocatalysts. 2005 , 17, 3537-3545	820
1481	Vapor-solid growth of Sn nanowires: growth mechanism and superconductivity. 2005 , 109, 4398-403	95
1480	Structural characterization of nickel oxide nanowires by X-ray absorption near-edge structure spectroscopy. 2005 , 109, 2512-5	45
1479	Photocatalytic TiO ₂ /glass nanoflake array films. 2005 , 21, 3486-92	38
1478	Orientation and size dependence of the elastic properties of zinc oxide nanobelts. 2005 , 16, 2749-2756	216
1477	Soft vesicles formed by diblock codendrimers of poly(benzyl ether) and poly(methallyl dichloride). 2005 , 127, 15107-11	147
1476	Photoluminescence properties of quasialigned ZnCdO nanorods. 2005 , 98, 084301	47
1475	Ultraviolet electroluminescence from ZnO/polymer heterojunction light-emitting diodes. 2005 , 5, 2005-8	335
1474	Low-temperature synthesis of single crystalline Ag ₂ S nanowires on silver substrates. 2005 , 109, 10100-6	75
1473	Self-assembly of aligned ZnO nanoscrews: Growth, configuration, and field emission. 2005 , 86, 083106	62
1472	Synthesis and field emission characteristics of bilayered ZnO nanorod array prepared by chemical reaction. 2005 , 109, 17055-9	54
1471	Selective growth of ZnO nanostructures with coordination polymers. 2005 , 16, 2303-8	37
1470	Novel multilamellar mesostructured molybdenum oxide nanofibers and nanobelts: synthesis and characterization. 2005 , 109, 22758-66	69

1469	Surface electronic states in three-dimensional SnO ₂ nanostructures. 2005 , 72,	87
1468	Enhanced gas sensing by individual SnO ₂ nanowires and nanobelts functionalized with Pd catalyst particles. 2005 , 5, 667-73	1205
1467	Controlled growth of large-area, uniform, vertically aligned arrays of alpha-Fe ₂ O ₃ nanobelts and nanowires. 2005 , 109, 215-20	476
1466	Electronic control of chemistry and catalysis at the surface of an individual tin oxide nanowire. 2005 , 109, 1923-9	151
1465	Nanostructures and self-catalyzed growth of SnO ₂ . 2005 , 98, 073520	41
1464	Semiconductor nanowires for subwavelength photonics integration. 2005 , 109, 15190-213	253
1463	Ultraviolet lasing and time-resolved photoluminescence of well-aligned ZnO nanorod arrays. 2005 , 86, 223106	73
1462	Controllable Growth of ZnO Microcrystals by a Capping-Molecule-Assisted Hydrothermal Process. 2005 , 5, 547-550	307
1461	Synthesis and characterization of Nafion((R))-115 nanowire arrays. 2005 , 16, 2242-4	19
1460	Synthesis and photoluminescence of aligned ZnO nanorods by thermal decomposition of zinc acetate at a substrate temperature of ~250 °C. 2005 , 38, 3934-3937	39
1459	A template-free electrochemical deposition route to ZnO nanoneedle arrays and their optical and field emission properties. 2005 , 16, 2567-2574	111
1458	Size-controllable synthesis of monodispersed SnO ₂ nanoparticles and application in electrocatalysts. 2005 , 109, 8774-8	311
1457	ZnO symmetric nanosheets integrated with nanowalls. 2005 , 87, 053103	72
1456	Mild solution synthesis of zinc oxide films with superhydrophobicity and superhydrophilicity. 2005 , 15, 4584	77
1455	Synthesis and ethanol sensing characteristics of single crystalline SnO ₂ nanorods. 2005 , 87, 233503	200
1454	Structure control of CdS nanobelts and their luminescence properties. 2005 , 97, 054303	31
1453	High-quality ultralong Sb ₂ S ₃ nanoribbons on large scale. 2005 , 109, 23312-5	52
1452	Controlled synthesis and manipulation of ZnO nanorings and nanobows. 2005 , 86, 043106	121

1451	Hydrothermal growth and optical properties of doughnut-shaped ZnO microparticles. 2005 , 109, 9463-7	213
1450	Growth and properties of ZnO nanoblade and nanoflower prepared by ultrasonic pyrolysis. 2005 , 97, 044305	61
1449	Fabrication, characterization and field emission properties of large-scale uniform ZnO nanotube arrays. 2005 , 16, 2039-43	98
1448	Cathodoluminescence from EGa ₂ O ₃ nanowires. 2005 , 86, 113112	84
1447	Ordering fullerene materials at nanometer dimensions. 2005 , 38, 38-43	169
1446	Symmetry-controlled colloidal nanocrystals: nonhydrolytic chemical synthesis and shape determining parameters. 2005 , 109, 14795-806	255
1445	Ribbon- and boardlike nanostructures of nickel hydroxide: synthesis, characterization, and electrochemical properties. 2005 , 109, 7654-8	130
1444	Attachment-driven morphology evolution of rectangular ZnO nanowires. 2005 , 109, 8786-90	80
1443	ZnO nanowires with high aspect ratios grown by metalorganic chemical vapor deposition using gold nanoparticles. 2005 , 86, 153119	108
1442	An approach to control the tip shapes and properties of ZnO nanorods. 2005 , 16, 1069-1072	51
1441	Shape-controlled synthesis and properties of uniform spinel cobalt oxide nanocubes. 2005 , 16, 3035-3040	155
1440	Fabrication of silicon submicrometer ribbons by glancing angle deposition. 2005 , 4, 033012	10
1439	In-situ electrochemical synthesis of 1-dimensional alumina nanostructures. 2005 , 15, 4889	24
1438	Semiconductor rings fabricated by self-assembly of nanocrystals. 2005 , 127, 18262-8	118
1437	High performance ZnO nanowire field effect transistor.	1
1436	Vertical single-crystal ZnO nanowires grown on ZnO:Ga/glass templates. 2005 , 4, 649-654	45
1435	Ultrathin corundum-type In ₂ O ₃ nanotubes derived from orthorhombic InOOH: synthesis and formation mechanism. 2006 , 4632-4	94
1434	Size-controllable one-dimensional SnO ₂ nanocrystals: synthesis, growth mechanism, and gas sensing property. 2006 , 8, 4874-80	79

1433	Controllable growth of vertically aligned zinc oxide nanowires using vapour deposition. 2006 , 17, 4811-4818	86
1432	Self-Organized Nanoscale Materials. 2006 ,	11
1431	Facile and large-scale production of ZnO/Zn-Al layered double hydroxide hierarchical heterostructures. 2006 , 110, 21865-72	71
1430	Synthesis and characterization of ZnO thin film grown by electron beam evaporation. 2006 , 99, 123105	107
1429	Ultrasensitive DNA sequence detection using nanoscale ZnO sensor arrays. 2006 , 17, 2875-2881	162
1428	One-dimensional hierarchical layered KxMnO2 (x 2006, 110, 17854-9	57
1427	Solution-based growth and optical properties of self-assembled monocrystalline ZnO ellipsoids. 2006 , 110, 10612-8	70
1426	Simple approach to highly oriented ZnO nanowire arrays: large-scale growth, photoluminescence and photocatalytic properties. 2006 , 17, 588-594	88
1425	Green and controlled synthesis of gold and platinum nanomaterials using vitamin B2: density-assisted self-assembly of nanospheres, wires and rods. 2006 , 8, 516	185
1424	Enhancement and patterning of ultraviolet emission in ZnO with an electron beam. 2006 , 88, 134103	95
1423	Periodically twinned nanowires and polytypic nanobelts of ZnS: The role of mass diffusion in vapor-liquid-solid growth. 2006 , 6, 1650-5	201
1422	Hydrothermal synthesis of one-dimensional zinc oxides with different precursors. 2006 , 17, 206-212	54
1421	Tuning the architecture of MgO nanostructures by chemical vapour transport and condensation. 2006 , 17, 5006-5012	27
1420	Synthesis and optical properties of ZnO/ZnS core-shell nanotube arrays. 2006 , 24, 2198	33
1419	Self-Assembled CuO Monocrystalline Nanoarchitectures with Controlled Dimensionality and Morphology. 2006 , 6, 1690-1696	229
1418	Fabrication, structural characterization and photoluminescence of Q-1D semiconductor ZnS hierarchical nanostructures. 2006 , 17, 2695-700	27
1417	Indium: Inorganic Chemistry Based in part on the article Indium: Inorganic Chemistry by Dennis G. Tuck which appeared in the Encyclopedia of Inorganic Chemistry, First Edition.. 2006 ,	
1416	In situ growth of ZnO nanocrystals from solid electrospun nanofiber matrixes. 2006 , 22, 7331-4	31

1415	Synthesis and Structures of Morphology-Controlled ZnO Nano- and Microcrystals. 2006 , 6, 1518-1522	189
1414	Formation, Characterization, and Properties of One-Dimensional Oxide Nanostructures. 2006 , 169-205	
1413	Structure and optical properties of periodically twinned ZnS nanowires. 2006 , 88, 163104	95
1412	High-yield synthesis of selenium nanowires in water at room temperature. 2006 , 1006-8	65
1411	ZnO-based hollow microspheres: biopolymer-assisted assemblies from ZnO nanorods. 2006 , 110, 15847-52	134
1410	Shape selective growth of CdS one-dimensional nanostructures by a thermal evaporation process. 2006 , 110, 4542-7	123
1409	Polymer-controlled crystallization of zinc oxide hexagonal nanorings and disks. 2006 , 110, 2988-93	251
1408	A universal approach to electrically connecting nanowire arrays using nanoparticles—Application to a novel gas sensor architecture. 2006 , 17, 3786-3790	50
1407	Design of Sb ₂ S ₃ nanorod-bundles: imperfect oriented attachment. 2006 , 17, 2098-2104	74
1406	Mechanistic investigations of PEG-directed assembly of one-dimensional ZnO nanostructures. 2006 , 110, 25734-9	79
1405	Piezoelectric and semiconducting coupled power generating process of a single ZnO belt/wire. A technology for harvesting electricity from the environment. 2006 , 6, 1656-62	338
1404	Solvothermal Synthesis of ZnO with Various Aspect Ratios Using Organic Solvents. 2006 , 6, 2446-2450	128
1403	Synthesis and electrical transport of single-crystal NH ₄ V ₃ O ₈ nanobelts. 2006 , 110, 18138-41	80
1402	NO sensing characteristics of ZnO nanorod prepared by ultrasound radiation method. 2006 ,	
1401	Synthesis, characterization and field-emission properties of bamboo-like beta-SiC nanowires. 2006 , 17, 3468-72	139
1400	ZnO Nanobelts/wire for Electronic Detection of Enzymatic Hydrolysis of Starch.	
1399	Transmission electron microscopy investigation of self-assembly ZnO twinning nanostructures. 2006 , 88, 193101	21
1398	Novel tungsten oxide microneedles with nanosized tips. 2006 , 88, 223107	6

1397	Synthesis and optical properties of mullite (Al/sub 5.65/Si/sub 0.35/O/sub 9.175/) nanowires. 2006,	
1396	Field emission from honeycomblike network of vertically aligned AlN nanoplatelets. 2006, 89, 093113	23
1395	Synthesis of large-scale GaN nanobelts by chemical vapor deposition. 2006, 89, 074106	30
1394	Indium oxide bands in dots/nanostructures. 2006, 89, 063113	11
1393	Fabrication of ZnO Nanorods in Colloidal Systems Formed by PEO-PPO-PEO Block Copolymers. 2006, 27, 769-772	5
1392	. 2006, 3, 228-235	56
1391	UV-manipulated wettability between superhydrophobicity and superhydrophilicity on a transparent and conductive SnO ₂ nanorod film. 2006, 2753-5	133
1390	Hydrothermal growth of large-scale micropatterned arrays of ultralong ZnO nanowires and nanobelts on zinc substrate. 2006, 3551-3	116
1389	Reaction growth of MF ₂ /a-C (M = Ca, Mg) core/shell nanowires at the interface of vapor and solid reactants. 2006, 22, 10-2	18
1388	Novel Method for High-Yield Synthesis of Rutile SnO ₂ Nanorods by Oriented Aggregation. 2006, 6, 1584-1587	52
1387	Controlled synthesis of high-quality PbS star-shaped dendrites, multipods, truncated nanocubes, and nanocubes and their shape evolution process. 2006, 110, 6543-8	161
1386	Chemical transformation: a powerful route to metal chalcogenide nanowires. 2006, 16, 3893	99
1385	Growth of Indium Oxide Nanostructures by Thermal Evaporation. 2006,	0
1384	A New Approach for Establishing Electrical Contacts to a Nanowire Array as Applied to Gas Sensing. 2006,	
1383	Solution-phase template approach for the synthesis of Cu(2)S nanoribbons. 2006, 149-51	19
1382	Fluoride-assisted synthesis of mullite (Al _{5.65} Si _{0.35} O _{9.175}) nanowires. 2006, 2780-2	10
1381	Doping and defects in the formation of single-crystal ZnO nanodisks. 2006, 89, 252115	38
1380	Preparation and characterization of ZnO nanoparticles coated paper and its antibacterial activity study. 2006, 8, 1034	304

1379	Effects of temperature and pressure on morphologies of quasi-one-dimensional ZnO nanostructures fabricated via thermal evaporation. 2006 , 16, s337-s340	7
1378	High-density, aligned SiO ₂ nanowire arrays: microscopic imaging of the unique growth style and their ultraviolet light emission properties. 2006 , 110, 15724-8	29
1377	Complete UV emission of ZnO nanoparticles in a PMMA matrix. 2006 , 21, 1202-1206	69
1376	Nano-building Blocks Fabricated through Templates. 2006 , 357-383	
1375	One-dimensional Wurtzite Semiconducting Nanostructures. 2006 , 384-426	
1374	Fabrication and photoluminescent characteristics of La ₂ O ₃ :Eu ³⁺ nanowires. 2006 , 8, 303-8	36
1373	From monomeric nanofibers to PbS nanoparticles/polymer composite nanofibers through the combined use of gamma-irradiation and gas/solid reaction. 2006 , 128, 6298-9	55
1372	First-principles study of the structural, electronic, and optical properties of Ga ₂ O ₃ in its monoclinic and hexagonal phases. 2006 , 74,	418
1371	Self-assembly synthesis of single-crystalline tin oxide nanostructures by a poly(acrylic acid)-assisted solvothermal process. 2006 , 110, 16208-11	60
1370	Gold-catalyzed low-temperature growth of cadmium oxide nanowires by vapor transport. 2006 , 110, 13717-21	103
1369	Fabrication, structural characterization and photoluminescence of single-crystal Zn(x)Cd(1-x)S zigzag nanowires. 2006 , 17, 4644-9	40
1368	Aligned hexagonal coaxial-shaped ZnO nanocolumns on steel alloy by thermal evaporation. 2006 , 88, 173120	129
1367	Vanadium pentoxide nanobelts and nanorolls: from controllable synthesis to investigation of their electrochemical properties and photocatalytic activities. 2006 , 17, 2560-6	134
1366	Mechanism of ZnO nanotube growth by hydrothermal methods on ZnO film-coated Si substrates. 2006 , 110, 15186-92	247
1365	Elasticity and piezoelectricity of zinc oxide crystals, single layers, and possible single-walled nanotubes. 2006 , 74,	196
1364	Room-temperature fabrication of highly oriented ZnO nanoneedle arrays by anodization of zinc foil. 2006 , 17, 4936-4940	43
1363	Growth mechanism, photoluminescence, and field-emission properties of ZnO nanoneedle arrays. 2006 , 110, 8566-9	77
1362	Size dependence of photoluminescence and resonant Raman scattering from ZnO quantum dots. 2006 , 88, 261909	137

1361	Modulation of the morphology of ZnO nanostructures via aminolytic reaction: from nanorods to nanosquamas. 2006 , 22, 6335-40	32
1360	High-performance transparent conducting oxide nanowires. 2006 , 6, 2909-15	176
1359	High performance ZnO nanowire field effect transistor using self-aligned nanogap gate electrodes. 2006 , 89, 263102	109
1358	Formation of Tunable Zinc Oxide Structures via Solution Method for use in Self-Cleaning Applications.	
1357	Ga-assisted synthesis and optical properties of ZnO submicron- and nanotowers. 2006 , 110, 21593-5	31
1356	Fabrication and characterization of polycrystalline WO ₃ nanofibers and their application for ammonia sensing. 2006 , 110, 23777-82	219
1355	Growth of ZnO nanowires on modified well-aligned carbon nanotube arrays. 2006 , 17, 1036-40	65
1354	Growth and luminescence of elongated In ₂ O ₃ micro- and nanostructures in thermally treated InN. 2006 , 88, 113107	62
1353	Synthetic architecture of interior space for inorganic nanostructures. 2006 , 16, 649-662	436
1352	Fabrication of one-dimensional mesoporous tungsten oxide. 2006 , 17, 110-115	34
1351	Zinc oxide nanocomb biosensor for glucose detection. 2006 , 88, 233106	470
1350	Analytic bond-order potential for atomistic simulations of zinc oxide. 2006 , 18, 6585-6605	57
1349	Controlled one-step fabrication of highly oriented ZnO nanoneedle/nanorods arrays at near room temperature. 2006 , 1655-7	67
1348	Synthesis of ordered large-scale ZnO nanopore arrays. 2006 , 88, 103106	52
1347	ZnO nanosheet networks and hexagonal nanodiscs grown on silicon substrate: growth mechanism and structural and optical properties. 2006 , 17, 2174-2180	200
1346	ZnO nanobelt/nanowire Schottky diodes formed by dielectrophoresis alignment across Au electrodes. 2006 , 6, 263-6	318
1345	Photoluminescence and photoconductivity properties of copper-doped Cd _{1-x} Zn _x S nanoribbons. 2006 , 17, 5935-5940	38
1344	Morphology-controllable synthesis and characterization of single-crystal molybdenum trioxide. 2006 , 110, 2006-12	164

1343	Room temperature fabrication of hollow ZnS and ZnO architectures by a sacrificial template route. 2006 , 110, 7102-6	127
1342	Environmentally friendly chemical route to vanadium oxide single-crystalline nanobelts as a cathode material for lithium-ion batteries. 2006 , 110, 9383-6	134
1341	Straight and thin ZnO nanorods: hectogram-scale synthesis at low temperature and cathodoluminescence. 2006 , 110, 827-30	67
1340	Optical properties of SnO ₂ nanoparticles and nanorods synthesized by solvothermal process. 2006 , 99, 114303	153
1339	A rapid hydrothermal route to sisal-like 3D ZnO nanostructures via the assembly of CTA+and Zn(OH) ₄ ²⁻ growth mechanism and photoluminescence properties. 2006 , 17, 1316-1322	65
1338	Sol-gel synthesis and photoluminescence of p-type semiconductor Cr ₂ O ₃ nanowires. 2006 , 88, 241112	53
1337	Low temperature synthesis and optical properties of small-diameter ZnO nanorods. 2006 , 99, 114302	23
1336	Mg-catalyzed autoclave synthesis of aligned silicon carbide nanostructures. 2006 , 110, 14172-8	97
1335	Synthesis and Enhanced Intercalation Properties of Nanostructured Vanadium Oxides. 2006 , 18, 2787-2804	400
1334	Influence of exciton-phonon coupling on the energy position of the near-band-edge photoluminescence of ZnO nanowires. 2006 , 89, 182107	114
1333	In(OH) ₃ and In ₂ O ₃ nanorod bundles and spheres: microemulsion-mediated hydrothermal synthesis and luminescence properties. 2006 , 45, 8973-9	242
1332	Shrinking nanowires by kinetically controlled electrooxidation. 2006 , 110, 36-41	20
1331	Gas, Chemical and Biological Sensing with ZnO. 2006 , 491-523	2
1330	Novel Nanostructures and Nanodevices of ZnO. 2006 , 339-370	10
1329	Study of the size effect on the optical mode frequencies of ZnO nanoparticles with nearly uniform size. 2006 , 89, 243108	22
1328	Site-specific nucleation and growth kinetics in hierarchical nanosyntheses of branched ZnO crystallites. 2006 , 128, 10960-8	340
1327	Large-scale synthesis of MnO ₂ nanorods and their rapid and efficient catalytic oxidation of methylene blue dye. 2006 , 7, 408-412	163
1326	Mesh-Like Hemispherical Shells Formed by Self-Assembly of Zn ₂ SiO ₄ Textured Nanowires. 2006 , 6, 1967-1971	17

1325	Growth and Characterization of Single-Crystal Y ₂ O ₃ :Eu Nanobelts Prepared with a Simple Technique. 2006 , 6, 2193-2196	55
1324	Morphology-controllable synthesis and characterization of hierarchical 3D Co _{1-x} Mn _x O nanostructures. 2006 , 110, 9442-7	18
1323	Self-organized hierarchical ZnS/SiO ₂ nanowire heterostructures. 2006 , 110, 7199-202	49
1322	Unconventional zigzag indium phosphide single-crystalline and twinned nanowires. 2006 , 110, 20129-32	38
1321	Symmetry of zinc oxide nanostructures. 2006 , 18, 1939-53	12
1320	Large-scale synthesis of perpendicular side-faceted one-dimensional ZnO nanocrystals. 2006 , 45, 4186-90	42
1319	A simple solution route to single-crystalline Sb ₂ O ₃ nanowires with rectangular cross sections. 2006 , 110, 18225-30	85
1318	Catalyst-assisted formation of nanocantilever arrays on ZnS nanoribbons by post-annealing treatment. 2006 , 110, 6759-62	23
1317	Fine-tuning the synthesis of ZnO nanostructures by an alcohol thermal process. 2006 , 110, 10348-53	48
1316	General solution route for nanoplates of hexagonal oxide or hydroxide. 2006 , 110, 11196-8	33
1315	Preparation of novel saw-toothed and riblike alpha-Si ₃ N ₄ whiskers. 2006 , 110, 3088-92	27
1314	Edge plane sites on highly ordered pyrolytic graphite as templates for making palladium nanowires via electrochemical decoration. 2006 , 110, 22306-9	50
1313	A vapor-solid strategy to silica sheathed metal nanostructures and microstructures via reactions of metal chlorides with silicon. 2006 , 110, 807-11	6
1312	Hexagonal and prismatic nanowalled ZnO microboxes. 2006 , 45, 3256-60	40
1311	Cysteine functionalized copper organosol: synthesis, characterization and catalytic application. 2006 , 17, 5461-5468	28
1310	Nano-Urchin: The Formation and Structure of High-Density Spherical Clusters of Vanadium Oxide Nanotubes. 2006 , 18, 3016-3022	114
1309	Synthesis and Characterization of Various One-Dimensional Semiconducting Nanostructures. 2006 , 131-167	
1308	Flowerlike ZnO nanocones and nanowires: Preparation, structure, and luminescence. 2006 , 88, 243101	67

1307	Cellulose-Directed Growth of Selenium Nanobelts in Solution. 2006 , 18, 159-163	73
1306	NiO films consisting of vertically aligned cone-shaped NiO rods. 2006 , 88, 033101	80
1305	High-quality ultralong Sb ₂ Se ₃ and Sb ₂ S ₃ nanoribbons on a large scale via a simple chemical route. 2006 , 110, 13415-9	101
1304	Molybdenum trioxide nanostructures: the evolution from helical nanosheets to crosslike nanoflowers to nanobelts. 2006 , 110, 24472-5	67
1303	Intrinsic characteristics of semiconducting oxide nanobelt field-effect transistors. 2006 , 89, 093114	76
1302	Growth and optical properties of faceted hexagonal ZnO nanotubes. 2006 , 110, 14714-8	113
1301	Synthesis of variable-aspect-ratio, single-crystalline ZnO nanostructures. 2006 , 45, 1208-14	92
1300	General, spontaneous ion replacement reaction for the synthesis of micro- and nanostructured metal oxides. 2006 , 110, 1581-6	47
1299	ZnO multipods, submicron wires, and spherical structures and their unique field emission behavior. 2006 , 110, 18236-42	130
1298	2,4,5-Triphenylimidazole Nanowires with Fluorescence Narrowing Spectra Prepared through the Adsorbent-Assisted Physical Vapor Deposition Method. 2006 , 18, 2302-2306	68
1297	Room-temperature low-power hydrogen sensor based on a single tin dioxide nanobelt. 2006 , 88, 263102	125
1296	Carbon-coated single-crystalline zinc sulfide nanowires. 2006 , 110, 20777-80	28
1295	Morphology-controlled synthesis of ZnO nanostructures by a simple round-to-round metal vapor deposition route. 2006 , 110, 3973-8	51
1294	The Fabrication and Characterization of Single-Crystalline Selenium Nanoneedles. 2006 , 6, 1711-1716	33
1293	Coalescence of nanobranches: a new growth mechanism for single crystal nanobelts. 2006 , 110, 3969-72	18
1292	Hydrothermal synthesis of single-crystalline antimony telluride nanobelts. 2006 , 128, 16490-1	114
1291	Large-Scale Synthesis and Growth Mechanism of Single-Crystal Se Nanobelts. 2006 , 6, 1514-1517	48
1290	Correlation between ZnO Nanowire Growth and the Surface of AlN Substrate. 2006 , 6, 2640-2642	4

1289	Synthesis of the Gold Nanocubes by Electrochemical Technique. 2006 , 153, D129		44
1288	Synthesis and interface structures of zinc sulfide sheathed zinc-cadmium nanowire heterojunctions. 2006 , 110, 14123-7		14
1287	Soft Synthesis of Inorganic Nanorods, Nanowires, and Nanotubes. 2006 , 101-158		1
1286	Morphosynthesis of hierarchical hydrozincite with tunable surface architectures and hollow zinc oxide. 2006 , 110, 11076-80		108
1285	Shape- and size-controlled synthesis of nanometre ZnO from a simple solution route at room temperature. 2006 , 17, 3632-3636		126
1284	Piezoelectric nanogenerators based on zinc oxide nanowire arrays. <i>Science</i> , 2006 , 312, 242-6	33.3	5729
1283	Considerations for non-invasive in-flight monitoring of astronaut immune status with potential use of MEMS and NEMS devices. 2006 , 79, 1317-33		39
1282	Formation of one-dimensional MgH ₂ nano-structures by hydrogen induced disproportionation. 2006 , 426, 357-362		34
1281	Sol-gel derived yttrium doped ZnO nanostructures. 2006 , 352, 2565-2568		26
1280	Catalyzed-assisted growth of well-aligned silicon oxide nanowires. 2006 , 352, 2859-2862		13
1279	A low-temperature aqueous solution route to large-scale growth of ZnO nanowire arrays. 2006 , 352, 2569-2574		20
1278	Scanning probe microscopy, luminescence and third harmonic generation studies of elongated CdS:Mn nanostructures developed by energetic oxygen-ion-impact. 2006 , 35, 29-36		8
1277	Fabrication and Structural Characterization of Ultrathin Nanoscale Wires and Particles. 2006 , 93-129		
1276	ZnO hexagonal microboxes enclosed only by {0001} facets with epitaxial nanowalls. 2006 , 89, 173121		8
1275	Synthetic Architecture of Inorganic Nanomaterials. 2006 , 25-56		
1274	Characteristics of Ga ₂ O ₃ nanomaterials grown on chromium substrates. 2006 , 34, 77-80		2
1273	Hydrothermal Synthesis of Ultrafine FeOOH Nanorods as Cathode Materials for Lithium Ion Batteries. 2006 , 35, 1410-1411		7
1272	Vertically Well-Aligned ZnO Nanowires on c-Al ₂ O ₃ and GaN Substrates by Au Catalyst. 2006 , 28, 787-789		12

1271	Three dimensional nanowire networks and complex nanostructures of indium oxide. 2006 , 100, 094320	12
1270	Novel Zinc Oxide Nanostructures Discovery by Electron Microscopy. 2006 , 26, 1-6	15
1269	Beaklike SnO ₂ nanorods with strong photoluminescent and field-emission properties. 2006 , 2, 116-20	273
1268	Fabrication of ZnO nanoplate-nanorod junctions. 2006 , 2, 62-5	22
1267	Substrate-friendly synthesis of metal oxide nanostructures using a hotplate. 2006 , 2, 80-4	84
1266	Nanostructures of Sn and their enhanced, shape-dependent superconducting properties. 2006 , 2, 268-73	53
1265	Synthesis of ultrathin ZnO nanofibers aligned on a zinc substrate. 2006 , 2, 612-5	86
1264	SiC-shell nanostructures fabricated by replicating ZnO nano-objects: a technique for producing hollow nanostructures of desired shape. 2006 , 2, 1344-7	35
1263	Optical properties of ZnO nanostructures. 2006 , 2, 944-61	1550
1262	V-shaped tin oxide nanostructures featuring a broad photocurrent signal: an effective visible-light-driven photocatalyst. 2006 , 2, 1436-9	131
1261	Fabrication of low dimensional structures of ZnSe and ZnO by thermal and mechanical methods. 2006 , 3, 1066-1069	
1260	Effect of iodine on morphology changes of spray deposited nanocrystalline CdSe:I, CdTe:I and HgTe:I thin films. 2006 , 203, 854-859	3
1259	Comparative structural/vibrational study of nano-urchin and nanorods of vanadium oxide. 2006 , 243, 3285-3289	29
1258	Synthesis and Characterization of Porous Single-Crystal-Like In ₂ O ₃ Nanostructures Via a Solvothermal-Annealing Route. 2006 , 89, 724-727	14
1257	Growth of ZnO Films with Controlled Morphology by Aqueous Solution Method. 2006 , 89, 1226-1231	36
1256	Calcination Effects on the Properties of Gallium-Doped Zinc Oxide Powders. 2006 , 89, 2440-2443	47
1255	Controlled buckling of semiconductor nanoribbons for stretchable electronics. 2006 , 1, 201-7	719
1254	Synthesis of ultrawide ZnO nanosheets. 2006 , 6, 1020-1023	26

1253	Metal oxide nano-crystals for gas sensing. 2006 , 568, 28-40	627
1252	Ammonia sensing characteristics of ZnO nanowires studied by quartz crystal microbalance. 2006 , 252, 2404-2411	90
1251	Nanostructured ZnO films obtained by a basic erosion method. 2006 , 252, 8668-8672	13
1250	Study of ZnO-coated SnO ₂ nanostructures synthesized by a two-step process. 2006 , 253, 510-514	16
1249	Fabrication and characterization of ZnO comb-like nanostructures. 2006 , 32, 561-566	33
1248	Dependence of morphology and photoluminescent properties of GdPO ₄ :Eu ³⁺ nanostructures on synthesis condition. 2006 , 326, 478-482	70
1247	Effect of Pd ²⁺ doping on ZnO nanotetrapods ammonia sensor. 2006 , 276, 59-64	37
1246	Formation of double-side teathed nanocombs of ZnO and self-catalysis of Zn-terminated polar surface. 2006 , 417, 358-362	74
1245	Modelling the shape and orientation of ZnO nanobelts. 2006 , 419, 313-316	20
1244	Optical properties of ZnO nanoplatelets and rectangular cross-sectioned nanowires. 2006 , 422, 46-50	21
1243	Mystery of porous SnO ₂ thin film formation by pulsed delivery. 2006 , 422, 1-5	15
1242	Growth of MgO nanowires assisted by the annealing treatment of Au-coated substrates. 2006 , 422, 165-169	65
1241	Novel ZnO nanostructures over gold and silver nanoparticle assemblies. 2006 , 423, 240-246	32
1240	Single-crystal nanocastles of ZnO. 2006 , 424, 86-90	78
1239	Crystalline nano-structures of Ga ₂ O ₃ with herringbone morphology. 2006 , 426, 393-397	21
1238	Growth of single crystalline Zn _x Cd _{1-x} S nanocombs by metallo-organic chemical vapor deposition. 2006 , 427, 371-374	25
1237	Synthesis of V ₂ O ₅ · nH ₂ O nanobelts as cathode materials for lithium-ion batteries. 2006 , 8, 21-26	69
1236	Morphosynthesis of hierarchical ZnO replica using butterfly wing scales as templates. 2006 , 92, 227-233	63

1235	Crystalline boron nanowires grown by magnetron sputtering. 2006 , 434, 53-57	5
1234	Flower-like bundles of ZnO nanosheets as an intermediate between hollow nanosphere and nanoparticles. 2006 , 437, 446-450	44
1233	Preparation of ZnO nanorods and special lath-like crystals by aqueous chemical growth (ACG) method. 2006 , 129, 139-143	18
1232	Cathodoluminescence characterization of ZnO nanotubes grown by MOCVD on sapphire substrate. 2006 , 9, 146-150	22
1231	Biocompatible nanofiber scaffolds on metal for controlled release and cell colonization. 2006 , 2, 248-52	20
1230	Facile route to high-density, ordered ZnO nanowire arrays and their photoluminescence properties. 2006 , 252, 8683-8687	9
1229	Rapid synthesis of novel flowerlike ZnO structures by thermolysis of zinc acetate. 2006 , 253, 909-914	10
1228	DRIFTS study of surface reactivity to NO ₂ by zinc nanoparticle aggregates and zinc hollow nanofibers. 2006 , 253, 2899-2910	13
1227	Formation of ZnO nanodot arrays along the step edges on R-face sapphire by metalorganic chemical vapor deposition. 2006 , 32, 33-36	12
1226	Annealing effects on the structural and optical properties of β -Ga ₂ O ₃ nanobelts synthesized by microwave plasma chemical vapor deposition. 2006 , 33, 151-154	8
1225	Local homoepitaxy and optical properties of well-ordered ZnO nanowires. 2006 , 33, 191-195	9
1224	From Zn microspheres to hollow ZnO microspheres: A simple route to the growth of large scale metallic Zn microspheres and hollow ZnO microspheres. 2006 , 33, 331-335	37
1223	Influence of nitridation time on the morphology of GaN nanorods synthesized by nitriding Ga ₂ O ₃ /ZnO films. 2006 , 35, 117-120	2
1222	One-step preparation of ultra-wide β -Ga ₂ O ₃ microbelts and their photoluminescence study. 2006 , 35, 207-211	18
1221	Magnetic properties of amorphous β -FeOOH nanowire arrays. 2006 , 305, 228-232	25
1220	Synthesis, characterization, photocatalytic activity and dye-sensitized solar cell performance of nanorods/nanoparticles TiO ₂ with mesoporous structure. 2006 , 184, 163-169	102
1219	Large scale hydrothermal synthesis and electrochemistry of ammonium vanadium bronze nanobelts. 2006 , 157, 528-532	48
1218	Polystyrene-ZnO core-shell microspheres and hollow ZnO structures synthesized with the sulfonated polystyrene templates. 2006 , 179, 470-475	63

1217	Rapid, low cost microfabrication technologies toward realization of devices for dielectrophoretic manipulation of particles and nanowires. 2006 , 114, 392-401	22
1216	Differentiation of oxidized low density lipoproteins by nanosensors. 2006 , 114, 788-798	20
1215	Preparation and gas sensing properties of vanadium oxide nanobelts coated with semiconductor oxides. 2006 , 115, 481-487	78
1214	Fe ₂ O ₃ /ZnO core-shell nanorods for gas sensors. 2006 , 119, 52-56	107
1213	Indium oxide quasi-monodimensional low temperature gas sensor. 2006 , 118, 204-207	48
1212	Controlled organization of ZnO building blocks into complex nanostructures. 2006 , 297, 570-7	43
1211	A facile hydrothermal process of fabricating beta-Ag _{0.33} V ₂ O ₅ single-crystal nanowires. 2006 , 289, 197-201	17
1210	Optical phonon modes in ZnO nanorods on Si prepared by pulsed laser deposition. 2006 , 287, 39-43	65
1209	The synthesis and photoluminescent properties of calcium tungstate nanocrystals. 2006 , 289, 231-235	43
1208	Photoluminescence and Raman behaviors of ZnO nanostructures with different morphologies. 2006 , 289, 55-58	74
1207	Synthesis and optical properties of nanocrystalline ZnO powders by a simple method using zinc acetate dihydrate and poly(vinyl pyrrolidone). 2006 , 289, 102-106	183
1206	Effects of temperature on indium tin oxide particles synthesized by co-precipitation. 2006 , 289, 151-156	53
1205	Texture development of non-epitaxial polycrystalline ZnO films. 2006 , 289, 387-394	127
1204	Formation of vertically aligned ZnO nanorods on ZnO templates with the preferred orientation through thermal evaporation. 2006 , 289, 370-375	42
1203	Transformation mechanism of Te particles into Te nanotubes and nanowires during solvothermal process. 2006 , 289, 568-573	10
1202	Anisotropic vapor phase growth of Ga ₂ O ₃ crystalline nanobelts. 2006 , 290, 585-591	9
1201	Catalytic growth of In ₂ O ₃ nanobelts by vapor transport. 2006 , 290, 660-664	54
1200	ZnO hexagonal prisms grown onto p-Si (111) substrate from poly (vinylpyrrolidone) assisted electrochemical assembly. 2006 , 290, 405-409	23

1199	Synthesis of single-crystalline CeB ₆ nanowires. 2006 , 291, 112-116	40
1198	CuO shuttle-like nanocrystals synthesized by oriented attachment. 2006 , 291, 196-201	96
1197	Synthesis and characterization of high purity GaN nanowires. 2006 , 291, 34-39	56
1196	Hydrothermal synthesis and characterization of novel flower-like zinc-doped SnO ₂ nanocrystals. 2006 , 291, 258-261	42
1195	Growth of novel nanostructured copper oxide (CuO) films on copper foil. 2006 , 291, 479-484	73
1194	Growth and characterization of single crystalline tin oxide (SnO ₂) nanowires. 2006 , 291, 405-411	50
1193	Growth of ZnO nanostructures in a chemical vapor deposition process. 2006 , 292, 306-310	27
1192	Silver vanadium oxides nanobelts and their chemical reduction to silver nanobelts. 2006 , 293, 404-408	20
1191	Synthesis of Ba _{1+x} V ₆ O ₁₆ ·nH ₂ O single-crystalline nanobelts and seamless ring-like structures. 2006 , 293, 423-427	4
1190	Synthesis of two-dimensional micron-sized single-crystalline ZnS thin nanosheets and their photoluminescence properties. 2006 , 293, 428-432	43
1189	Synthesis and optical properties of nanometer to micrometer wide hexagonal cones and columns of ZnO. 2006 , 293, 438-446	51
1188	Neutral molecular ZnX (X=O, OH, N) compounds in a molecular beam. 2006 , 782, 67-72	7
1187	Controlled synthesis of copper nanostructures. 2006 , 433, 257-260	2
1186	Cathodoluminescence characterization of SnO ₂ nanoribbons grown by vapor transport technique. 2006 , 9, 331-336	8
1185	SHI induced modification of ZnO thin film: Optical and structural studies. 2006 , 244, 136-140	83
1184	Growth mechanisms for ZnO nanorods formed by pulsed laser deposition. 2006 , 39, 33-40	46
1183	Effects of laser ablation in fabrication of ZnO nanorods by chemical vapor deposition. 2006 , 39, 67-74	12
1182	Zinc oxide nanoparticles on silicon. 2006 , 39, 115-123	6

1181	Large-scale synthesis of ZnO microhollowspheres and their optical properties. 2006 , 40, 93-99	1
1180	One-dimensional structures of Bi ₂ O ₃ synthesized via metalorganic chemical vapor deposition process. 2006 , 137, 196-198	22
1179	Raman spectroscopic and photoluminescence study of single-crystalline SnO ₂ nanowires. 2006 , 138, 242-246	135
1178	Ordered zinc-vacancy induced Zn _{0.75} O _x nanophase structure. 2006 , 138, 390-394	11
1177	Soft ZnSe nanobelts: Characterization and feasibility for assembling tubular ZnSe nanostructures. 2006 , 139, 430-433	4
1176	Nanowire as pico-gram balance at workplace atmosphere. 2006 , 139, 222-226	38
1175	Non-catalytic growth of high aspect-ratio ZnO nanowires by thermal evaporation. 2006 , 139, 447-451	37
1174	Atomistic measure of the strength of MgO nanorods. 2006 , 46, 202-208	12
1173	A novel ultrasonic-assisted solution-phase approach for the fabrication of tellurium bundles of nanowhiskers. 2006 , 13, 352-8	19
1172	Preparation and characterization of single-crystalline gallium oxide nanobelts. 2006 , 81, 398-400	3
1171	Growth and characterization of chemical-vapor-deposited zinc oxide nanorods. 2006 , 498, 137-141	38
1170	Nano-wire pig-tailed ZnO nano-rods synthesized by laser ablation. 2006 , 506-507, 274-277	23
1169	Field emission from oriented tin oxide rods. 2006 , 515, 1450-1454	13
1168	Tantalum disulfide nanobelts: preparation, superconductivity and field emission. 2006 , 17, 201-205	36
1167	Biofunctional magnetic nanoparticles for protein separation and pathogen detection. 2006 , 941-9	584
1166	Solution-based routes to transition-metal oxide one-dimensional nanostructures. 2006 , 78, 45-64	35
1165	Direct synthesis of ZnO nanoparticles by a solution-free mechanochemical reaction. 2006 , 17, 5117-5123	92
1164	Ultrasensitive chemiresistors based on electrospun TiO ₂ nanofibers. 2006 , 6, 2009-13	527

1163	Formation of Positively Charged Copper Hydroxide Nanostrands and Their Structural Characterization. 2006 , 18, 1795-1802	59
1162	Synthesis and Characterization of Hyperbranched RuO ₂ Nanostructures. 2006 , 17, 517-526	2
1161	One-step synthetic route for producing nanoslabs: Zn-oriented polycrystalline and single-crystalline zinc oxide. 2006 , 41, 3263-3269	6
1160	MgO nanofibres via an electrospinning technique. 2006 , 41, 3821-3824	36
1159	Self-assembly of ZnO nanoplates into microspheres. 2006 , 41, 5784-5787	11
1158	Preparation of copper coated carbon nanotubes by decomposition of Cu(II)acetylacetonate in hydrogen atmosphere. 2006 , 41, 5462-5466	6
1157	Time evolution of In ₂ O ₃ rod-like structures in metalorganic chemical vapor deposition process. 2006 , 41, 3189-3191	3
1156	Formation of nanorod-like structures through the thermal annealing of Cr films. 2006 , 41, 3171-3173	
1155	Morphology, structures and properties of ZnO nanobelts fabricated by Zn-powder evaporation without catalyst at lower temperature. 2006 , 41, 3057-3062	59
1154	The seminal literature of nanotechnology research. 2006 , 8, 193-213	60
1153	Surface-effects-dominated thermal and mechanical responses of zinc oxide nanobelts. 2006 , 22, 217-224	37
1152	Controlling the growth direction of one-dimensional ZnO nanostructures by changing the oxygen content in the reaction atmosphere. 2006 , 82, 33-37	21
1151	Controlled synthesis of trigonal selenium nanowires via a facile solution route. 2006 , 83, 281-284	14
1150	Field emission from lotiform-like ZnO nanostructures synthesized via thermal evaporation method. 2006 , 84, 165-169	4
1149	Hydrothermal synthesis of single-crystal ZnS nanowires. 2006 , 84, 409-412	47
1148	Synthesis of silicon carbide hexagonal nanoprisms. 2006 , 86, 271-274	15
1147	Shape control and characterization of one-dimensional ZnO nanostructures through the synthesis procedure. 2006 , 376-377, 726-730	12
1146	Humidity sensitive properties of ZnO nanotetrapods investigated by a quartz crystal microbalance. 2006 , 115, 421-427	68

1145	Gas-sensing properties of sensors based on single-crystalline SnO ₂ nanorods prepared by a simple molten-salt method. 2006 , 117, 183-187	132
1144	Catalyst effect on ZnO nanostructure shape. 2006 , 39, 340-347	10
1143	Sea-urchin-like ZnO nanostructures on Si by oxidation of Zn metal powders: Structural and optical properties. 2006 , 39, 145-152	16
1142	Synthesis of ZnO hexagonal tubes by a microwave heating method. 2006 , 39, 314-318	12
1141	Preparation and optical property of nanosized ZnO electrochemically deposited in mesoporous silica films. 2006 , 495, 68-72	25
1140	Pressure dependence of the near-band-edge photoluminescence from ZnO microrods at low temperature. 2006 , 67, 2376-2381	13
1139	A low-temperature synthesis of ultraviolet-light-emitting ZnO nanotubes and tubular whiskers. 2006 , 179, 843-848	30
1138	Large-scale and low-temperature synthesis of maize-shaped ZnO micron flowers with excellent optical properties. 2006 , 127, 85-90	26
1137	From V ₂ O ₅ foam to VO ₂ (B) nanoneedles. 2006 , 129, 251-255	25
1136	MgO nanostructures synthesized by thermal evaporation. 2006 , 26, 1097-1101	40
1135	Fabrication of multi-level branched metal nanowires by AAO template electro-deposition. 2006 , 51, 2055-2058	13
1134	Quasi One-dimensional ZnO Nanostructures Fabricated without Catalyst at Lower Temperature. 2006 , 1, 72-84	6
1133	Evolution of ZnO nanostructures on silicon substrate by vapor-solid mechanism: Structural and optical properties. 2006 , 35, 758-765	14
1132	Synthesis of low-melting metal oxide and sulfide nanowires and nanobelts. 2006 , 35, 941-946	19
1131	Synthesis of ZnO nanowires on Si substrate by thermal evaporation method without catalyst: Structural and optical properties. 2006 , 23, 499-504	44
1130	Shape-controlled synthesis and nanostructure evolution of single-crystal Mn ₃ O ₄ nanocrystals. 2006 , 55, 735-738	47
1129	Selective growth and properties of zinc oxide nanostructures. 2006 , 55, 795-798	50
1128	Biotemplate-directed assembly of porous SnO ₂ nanoparticles into tubular hierarchical structures. 2006 , 55, 799-802	35

1127	Growth and morphology of one-dimensional SiC nanostructures without catalyst assistant. 2006 , 95, 140-144	74
1126	A novel single step chemical route for noble metal nanoparticles embedded organic/inorganic composite films. 2006 , 95, 51-55	78
1125	Polymer-directed large-scale synthesis of single-crystal vanadium oxide nanobelts. 2006 , 95, 206-210	14
1124	Controlled synthesis of ZnO nanoparticles by bioreduction. 2006 , 97, 321-329	22
1123	Formation and structure of single crystalline magnesium borate (Mg ₃ B ₂ O ₆) nanobelts. 2006 , 98, 195-197	25
1122	Large-scale synthesis of flower-like ZnO structures by a surfactant-free and low-temperature process. 2006 , 98, 523-527	76
1121	Fabrication of ordered SnO ₂ nanotube arrays via a template route. 2006 , 99, 127-130	60
1120	Self-assembly of small ZnO nanoparticles toward flake-like single crystals. 2006 , 41, 128-133	28
1119	Effect of solvents on the synthesis of nano-size zinc oxide and its properties. 2006 , 41, 590-600	134
1118	Large-scale synthesis of single-crystalline CuO nanoplatelets by a hydrothermal process. 2006 , 41, 697-702	59
1117	Preparation of Cu ₂ N/ZnO core-shell nanocomposite by surface modification and precipitation process in aqueous solution and its photoluminescence properties. 2006 , 41, 2154-2160	19
1116	Large-scale synthesis, microstructure and growth mechanism of self-assembled core-shell ZnO/SiO _x nanowires. 2006 , 60, 150-153	12
1115	Hydrothermal synthesis of single-crystalline hexagonal prism ZnO nanorods. 2006 , 60, 266-269	49
1114	Solution-phase synthesis of Au@ZnO core-shell composites. 2006 , 60, 1291-1295	34
1113	Synthesis and photoluminescence properties of CdS nanobelts. 2006 , 60, 1420-1424	21
1112	Preparation and photoluminescence of ZnO complex structures with controlled morphology. 2006 , 60, 1354-1359	39
1111	Self-assembled ZnO 3D flowerlike nanostructures. 2006 , 60, 2530-2533	58
1110	ZnO nanowhisker clusters formed on Zn microspheres by wet chemical route. 2006 , 60, 2516-2521	13

1109	Novel route to dendritic SnO ₂ nanostructure via ethanol-assisted controlled borohydride reduction. 2006 , 60, 2600-2603	4
1108	Anionic surfactant-assisted hydrothermal synthesis of high-aspect-ratio ZnO nanowires and their photoluminescence property. 2006 , 60, 2777-2782	57
1107	Hydrothermal synthesis and optical properties of Pb ²⁺ doped ZnO nanorods. 2006 , 60, 2783-2785	32
1106	Synthesis and characterization of superparamagnetic composite nanorings. 2006 , 60, 2929-2932	28
1105	Controllable synthesis of undoped/Cd-doped ZnO nanostructures. 2006 , 60, 3122-3125	23
1104	Long-chain polymer-assisted hydrothermal route to synthesize flowerlike ZnO nanostructures. 2006 , 60, 3350-3353	12
1103	An one-pot epitaxial growth method to synthesize cactus-like ZnO. 2006 , 60, 3487-3491	8
1102	Unusual formation of nano-particles of CdO and Cd(OH) ₂ from the reaction of dimethyl cadmium with DMF. 2006 , 60, 3492-3498	47
1101	Necktie-like ZnO nanobelts grown by a self-catalytic VLS process. 2006 , 60, 3809-3812	10
1100	Synthesis and characterization of single crystalline MnOOH and MnO ₂ nanorods by means of the hydrothermal process assisted with CTAB. 2006 , 60, 3895-3898	19
1099	Systematic investigation of the formation of 1D alpha-Si(3)N(4) nanostructures by using a thermal-decomposition/nitridation process. 2006 , 12, 2987-93	43
1098	A simple hydrothermal method for the large-scale synthesis of single-crystal potassium tungsten bronze nanowires. 2006 , 12, 7717-23	70
1097	Sonochemical formation of single-crystalline gold nanobelts. 2006 , 45, 1116-9	217
1096	Shape control of semiconductor and metal oxide nanocrystals through nonhydrolytic colloidal routes. 2006 , 45, 3414-39	1003
1095	SiO(2)/Ta(2)O(5) core-shell nanowires and nanotubes. 2006 , 45, 7773-8	53
1094	Oxygen-deficiency-induced superlattice structures of chromia nanobelts. 2006 , 45, 6554-8	16
1093	Preparation and characterization of ZnO nanofibers by electrospinning. 2006 , 41, 446-449	52
1092	Preparation of ZnO Nanowires in a Neutral Aqueous System: Concentration Effect on the Orientation Attachment Process. 2006 , 2006, 3818-3822	20

1091	Sonochemical Method for the Preparation of Hollow SnO ₂ Microspheres. 2006 , 24, 983-985	1
1090	Controllable growth of straight nanorods and nanowires in the Langmuir films of a bolaamphiphilic par derivative. 2006 , 7, 385-93	11
1089	Sol-gel template synthesis and photoluminescence of n- and p-type semiconductor oxide nanowires. 2006 , 7, 497-501	47
1088	Sonochemical Formation of Single-Crystalline Gold Nanobelts. 2006 , 118, 1134-1137	48
1087	Formkontrolle von Halbleiter- und Metalloxid-Nanokristallen durch nichthydrolytische Kolloidverfahren. 2006 , 118, 3492-3517	77
1086	SiO ₂ /Ta ₂ O ₅ Core/Shell Nanowires and Nanotubes. 2006 , 118, 7937-7942	3
1085	Oxygen-Deficiency-Induced Superlattice Structures of Chromia Nanobelts. 2006 , 118, 6704-6708	1
1084	Mass Synthesis of Large, Single-Crystal Au Nanosheets Based on a Polyol Process. 2006 , 16, 83-90	176
1083	Metal/Semiconductor Core/Shell Nanodisks and Nanotubes. 2006 , 16, 53-62	127
1082	Hydrothermal Growth of Manganese Dioxide into Three-Dimensional Hierarchical Nanoarchitectures. 2006 , 16, 549-555	185
1081	Sharp Infrared Emission from Single-Crystalline Indium Nitride Nanobelts Prepared Using Guided-Stream Thermal Chemical Vapor Deposition. 2006 , 16, 537-541	59
1080	Characterization and Field-Emission Properties of Vertically Aligned ZnO Nanonails and Nanopencils Fabricated by a Modified Thermal-Evaporation Process. 2006 , 16, 410-416	231
1079	Magnetic-Field-Induced Phase-Selective Synthesis of Ferrosulfide Microrods by a Hydrothermal Process: Microstructure Control and Magnetic Properties. 2006 , 16, 1105-1111	111
1078	Photoluminescence and Electroluminescence from Tris(8-hydroxyquinoline)aluminum Nanowires Prepared by Adsorbent-Assisted Physical Vapor Deposition. 2006 , 16, 1985-1991	136
1077	Co-synthesis of ZnO/CuO Nanostructures by Directly Heating Brass in Air. 2006 , 16, 2415-2422	89
1076	Controlled Synthesis of Abundantly Branched, Hierarchical Nanotrees by Electron Irradiation of Polymers. 2006 , 18, 60-65	72
1075	Epitaxial Growth of Vertically Aligned and Branched Single-Crystalline Tin-Doped Indium Oxide Nanowire Arrays. 2006 , 18, 234-238	117
1074	Polymerization Initiated by Inherent Free Radicals on Nanoparticle Surfaces: A Simple Method of Obtaining Ultrastable (ZnO)Polymer Core/Shell Nanoparticles with Strong Blue Fluorescence. 2006 , 18, 748-751	122

1073	The Growth of ZnSb Nanowires by Heat Treatment of ZnSb Nanoparticles Obtained by Electrodeposition. 2006 , 18, 1873-1876	7
1072	Nanoscale ZnO-Enhanced Fluorescence Detection of Protein Interactions. 2006 , 18, 2685-2690	152
1071	ZnO Nanosheets with Ordered Pore Periodicity via Colloidal Crystal Template Assisted Electrochemical Deposition. 2006 , 18, 1001-1004	95
1070	Vapor-Phase Synthesis and Characterization of γ -FeSi Nanowires. 2006 , 18, 1437-1440	83
1069	Dissolving Behavior and Stability of ZnO Wires in Biofluids: A Study on Biodegradability and Biocompatibility of ZnO Nanostructures. 2006 , 18, 2432-2435	561
1068	Ambient Template-Directed Synthesis of Single-Crystalline Alkaline-Earth Metal Fluoride Nanowires. 2006 , 18, 1895-1899	65
1067	Controlled Synthesis of Bismuth Oxide Nanowires by an Oxidative Metal Vapor Transport Deposition Technique. 2006 , 18, 2604-2608	95
1066	Template-Free Synthesis of SnO ₂ Hollow Nanostructures with High Lithium Storage Capacity. 2006 , 18, 2325-2329	1531
1065	A Novel Heteronanostructure System: Hierarchical W Nanothorn Arrays on WO ₃ Nanowhiskers. 2006 , 18, 3105-3110	68
1064	Aligned Ultralong ZnO Nanobelts and Their Enhanced Field Emission. 2006 , 18, 3275-3278	247
1063	Aligned silica nanowires on the inner wall of bubble-like silica film: the growth mechanism and photoluminescence. 2006 , 17, 1022-5	9
1062	Synthesis and characterization of dendritic ZnMgO nanostructures. 2006 , 39, 3764-3768	17
1061	Oxide Nanobelts as Conductometric Gas Sensors. 2006 , 21, 229-232	14
1060	Heterocrystal and bicrystal structures of ZnS nanowires synthesized by plasma enhanced chemical vapour deposition. 2006 , 17, 2913-2917	23
1059	Synthesis and photoluminescence properties of In ₂ Ge ₂ O ₇ nanobelts. 2006 , 17, 6007-6010	21
1058	Fabrication and photoluminescence of high-quality ternary CdSSe nanowires and nanoribbons. 2006 , 17, 1083-6	62
1057	Zinc oxide microtubes prepared by optical thermal evaporation. 2006 , 39, 46-49	19
1056	Preparation and characterization of Al-doped quasi-aligned ZnO submicro-rods. 2006 , 39, 2696-2700	32

1055	Fabrication of zinc oxide nanostructures using solvent-assisted capillary lithography. 2006 , 17, 2631-5	20
1054	Carbothermal reduction/sulfidation synthesis and structural characterization of PbS nanobelts and nanowires. 2006 , 17, 2931-2936	14
1053	Study on Synthesis and Gas Sensitivity of SnO ₂ Nanobelts. 2006 , 23, 1026-1028	10
1052	Bulk quantities of single-crystal silicon micro-/nanoribbons generated from bulk wafers. 2006 , 6, 2318-24	90
1051	Growth and characterization of a high-purity ZnO nanoneedles film prepared by microwave plasma deposition. 2006 , 24, 1318	8
1050	Growth and structural properties of gallium oxide nanowires prepared by chemical vapour deposition. 2006 , 105, 84-87	3
1049	Effect of temperature on reduction of nanocrystalline Fe ₂ O ₃ into metallic iron. 2006 , 22, 315-320	20
1048	In situgrowth of SnO ₂ nanorods by plasma treatment of SnO ₂ thin films. 2006 , 17, 3668-3672	35
1047	Effects of plasma treatment on the growth of SnO ₂ nanorods from SnO ₂ thin films. 2006 , 17, 743-746	25
1046	Growth and optical properties of peculiar ZnO tetrapods. 2006 , 39, 2105-2108	16
1045	Electronic Transport Measurements in Tin Oxide Microfibers Created From a Polymer Solution. 2006 , 948, 1	
1044	Nitrogen-induced carbon nanobells and their properties. 2006 , 21, 2767-2773	27
1043	Structural Study of In ₂ O ₃ Structures Grown by the Metalorganic Chemical Vapor Deposition. 2006 , 517, 77-80	
1042	Growth of width-controlled nanowires MnO ₂ from mesoporous carbon and investigation of their properties. 2006 , 21, 2847-2854	6
1041	A simple solution route to controlled synthesis of ZnS submicrospheres, nanosheets and nanorods. 2006 , 17, 4731-5	29
1040	Wet Oxidation: A Promising Way for Fabrication of Zinc Oxide Nanostructures. 2006 , 522-523, 277-284	2
1039	Characteristics of SnO ₂ One-Dimensional Nanomaterials Synthesized on TiN-Coated Substrates by the Evaporation of Sn Powders. 2006 , 510-511, 658-661	
1038	Electrospun Tungsten Oxide Nanofibers: Fabrication and Characterization. 2006 , 915, 1	

1037	Size-dependent x-ray photoelectron spectroscopy and complex magnetic properties of CoMn ₂ O ₄ spinel nanocrystals. 2006 , 17, 1384-1390	47
1036	Characteristics of Indium Oxide Rod-Like Structures Synthesized on Sapphire Substrates. 2006 , 518, 143-148	3
1035	Nanotubes in Low Temperature Spray Deposited Nanocrystalline HgSe: I thin films. 2006 , 922, 1	
1034	Appearance of Indium Oxide Nanorods in MOCVD Growth. 2006 , 510-511, 146-149	1
1033	A Study of Ga ₂ O ₃ Nanomaterials Synthesized by the Thermal Evaporation of GaN Powders. 2006 , 510-511, 654-657	2
1032	The selective synthesis of single-crystalline CdS nanobelts and nanowires by thermal evaporation at lower temperature. 2006 , 17, 1851-1857	33
1031	Atmospheric pressure chemical vapour deposition synthesis of sulfides, oxides, silicides and metal nanowires with metal chloride precursors. 2006 , 17, S253-S261	15
1030	Synthesis and Characterization of Nickel-Doped ZnO Nanocrystals. 2006 , 957, 1	2
1029	Gas Sensor Based on the Network of SnO ₂ Semiconducting Nanowires. 2006 , 951, 3	3
1028	Controllable Synthesis of ZnO Nanorod Arrays via Simple Solution-Based Method. 2006 , 957, 1	
1027	Manganese doping and optical properties of ZnS nanoribbons by postannealing. 2006 , 88, 013115	55
1026	Fabrication and characterization of wire-like SnO ₂ . 2006 , 39, 2494-2497	34
1025	Growth and Characterization of Ga ₂ O ₃ Nanoribbons and Nanosheets. 2006 , 517, 53-56	
1024	Nanofabrication on ZnO nanowires. 2006 , 89, 243111	23
1023	Single-crystalline trumpetlike zinc phosphide nanostructures. 2006 , 88, 143105	23
1022	Zinc oxide nanodonut prepared by vapor-phase transport process. 2006 , 88, 251111	20
1021	Theoretical determination of the necessary conditions for the formation of ZnO nanorings and nanohelices. 2006 , 73,	22
1020	ZnO nanocrystals synthesized by evaporation of Zn in microwave plasma torch in terms of mixture ratio of N ₂ to O ₂ . 2006 , 13, 063506	15

1019	Synthesis and room temperature ferromagnetism of FeCo-codoped ZnO nanowires. 2006 , 88, 063104	67
1018	Photoluminescence study of ZnO nanotubes under hydrostatic pressure. 2006 , 88, 133127	33
1017	Extremely stable field emission from AlZnO nanowire arrays. 2006 , 89, 043118	53
1016	Catalyst-free synthesis of ZnO nanowall networks on Si ₃ N ₄ /Si substrates by metalorganic chemical vapor deposition. 2006 , 88, 253114	46
1015	Structural and optical properties of ZnO nanotower bundles. 2006 , 88, 123111	71
1014	Synthesis of high quality n-type CdS nanobelts and their applications in nanodevices. 2006 , 89, 203120	101
1013	Regular MgO nanoflowers and their enhanced dielectric responses. 2006 , 88, 013101	70
1012	Mechanisms of size-dependent shape evolution of one-dimensional nanostructure growth. 2006 , 74,	17
1011	Synthesis and ethanol sensing properties of indium-doped tin oxide nanowires. 2006 , 88, 201907	97
1010	Quantifying the elastic deformation behavior of bridged nanobelts. 2006 , 89, 073112	55
1009	Melting and optical properties of ZnO nanorods. 2006 , 88, 061913	76
1008	Quantitative nanoscale modulus measurements and elastic imaging of SnO ₂ nanobelts. 2006 , 100, 124308	35
1007	Electronic transport characteristics through individual ZnSnO ₃ nanowires. 2006 , 88, 182102	42
1006	Optical properties of ZnO ribbon/comb structures.	
1005	Quantifying oxygen diffusion in ZnO nanobelt. 2006 , 89, 063125	26
1004	Synthesis of GaN Nanorods with Vertebra-like Morphology. 2006 ,	
1003	Conformal conversion from helical hexagonal InN microtubes to In ₂ O ₃ counterparts. 2006 , 89, 093112	7
1002	Lithium fluoride nanowires via vapor-liquid-solid growth. 2006 , 88, 093103	8

1001	Selective growth of graphite micro-rods with SiO ₂ nanowire cores by chemical vapor deposition. 2006 , 88, 113102	2
1000	Nanorobotic Manipulator Controlled Nanowire Growth. 2006 ,	1
999	Electrical transport through individual nanowires with transverse grain boundaries. 2006 , 89, 022115	5
998	Temperature and pressure dependences of the copper-related green emission in ZnO microrods. 2006 , 100, 013107	14
997	Direct synthesis and characterization of CdS nanobelts. 2006 , 89, 033102	60
996	One-dimensional ferroelectric monodomain formation in single crystalline BaTiO ₃ nanowire. 2006 , 89, 263119	70
995	Current-voltage and Optoelectronic Properties of Semiconducting ZnO Nanobelts. 2006 ,	0
994	Electronic and thermodynamic properties of β -Ga ₂ O ₃ . 2006 , 88, 261904	97
993	Growth of ZnO nanotetrapods with hexagonal crown. 2006 , 88, 193113	65
992	Vapour-transport-deposition growth of ZnO nanostructures: switch between c-axial wires and a-axial belts by indium doping. 2006 , 17, S231-S239	89
991	Phonon-assisted stimulated emission from single CdS nanoribbons at room temperature. 2006 , 88, 173102	38
990	Design of a Hybrid Micro/Nano Cantilever-based Resonant Sensor and its Fabrication Method. 2006 ,	
989	Synthesis and characterization of PbCrO ₄ and PbWO ₄ nanorods. 2006 , 17, 3139-3143	19
988	Humidity sensing properties of zinc oxide nanorod and nanobelt films. 2006 ,	2
987	Controlled nanowire growth with a nanorobotic manipulator. 2006 , 17, 3023-3027	13
986	Single mullite nanoribbon as a glucose sensor. 2006 , 17, 3574-7	7
985	ZnO Nanorods Synthesized by Self-Catalytic Method of Metal in Atmospheric Microwave Plasma Torch Flame. 2006 , 45, 5940-5944	4
984	LOW-TEMPERATURE SYNTHESIS OF NOVEL ZINC OXIDE SINGLE-SIDED COMB-LIKE STRUCTURE. 2006 , 05, 207-212	

983	Fabrication of ZnO microtubes with adjustable nanopores on the walls by the templating of butterfly wing scales. 2006 , 17, 840-844	85
982	In situmechanical properties of individual ZnO nanowires and the mass measurement of nanoparticles. 2006 , 18, L179-L184	81
981	Integration of single-crystalline nanocolumns into highly ordered nanopore arrays. 2006 , 17, 2590-4	14
980	A general route for the rapid synthesis of one-dimensional nanostructured single-crystal Te, Se and Se-Te alloys directly from Te or/and Se powders. 2006 , 17, 1763-9	14
979	NANOMECHANICS OF INDIVIDUAL ZINC OXIDE NANOBELTS MEASURED BY IN SITU TRANSMISSION ELECTRON MICROSCOPY. 2006 , 05, 951-958	2
978	THE INVESTIGATION ON ELECTRONIC STRUCTURE AND SECOND-ORDER NONLINEAR OPTICAL PROPERTIES OF II-VI SEMICONDUCTOR CLUSTERS BY TIME-DEPENDENT DENSITY FUNCTIONAL THEORY. 2007 , 06, 585-594	1
977	"SURFACE-PROGRAMMED ASSEMBLY" OF NANOTUBE/NANOWIRE-BASED INTEGRATED DEVICES. 2007 , 02, 333-350	12
976	ZnO-BASED NANOWIRES. 2007 , 02, 201-211	5
975	Growth mechanism and optical properties of ZnS nanotetrapods. 2007 , 18, 475603	17
974	Synthesis of brush-like CdS nanorod arrays through a novel hydrothermal reaction of simultaneous solvent-oxidation-hydrolysis. 2007 , 2, 171-176	2
973	Dielectrophoretic Characterization of SnO ₂ Nanobelts. 2007 ,	1
972	Nitrogen Doped ZnO Nanomaterials for UV-LED Applications. 2007 ,	1
971	Thermal conductivity of dielectric nanowires with different cross-section shapes. 2007 , 16, 3777-3782	11
970	OIL/WATER INTERFACE SYNTHESIS AND OPTICAL PROPERTY OF STRONTIUM TUNGSTATE NANORODS. 2007 , 02, 195-199	5
969	Synthesis and electronic properties of transition metal oxide core-shell nanowires. 2007 , 18, 044019	13
968	Growth of ultrafine ZnS nanowires. 2007 , 18, 145607	16
967	Conductimetric Detection of Protein and Cancer Cells with Oxide Nanosensors. 2007 , 1010, 1	
966	Assembled Semiconductor Nanowire Thin Films for High-Performance Flexible Macroelectronics. 2007 , 32, 134-141	62

965	Tunable synthesis of In ₂ O ₃ nanowires, nanorods and nanorods. 2007 , 18, 175601	36
964	Template-directed synthesis, characterization and electrical properties of Au/TiO ₂ /Au heterojunction nanowires. 2007 , 18, 155204	25
963	Size Control of Monodisperse Copper Sulfide Faceted Nanocrystals and Triangular Nanoplates. 2007 , 111, 9658-9663	62
962	Two-dimensional and three-dimensional ZnO nanostructures induced by twinnings. 2007 , 18, 245607	10
961	Optical function of bionic nanostructure of ZnO. 2007 , 9, 381-381	1
960	Vanadate Conformation Variations in Vanadium Pentoxide Nanostructures. 2007 , 154, K29	47
959	Silicon Carbide Nanowire Heterostructures Constructed from Released Iron Catalysis. 2007 , 1058, 1	
958	Synthesis and optical properties of heterostructured ZnO:S/ZnO nanowires. 2007 , 40, 7662-7668	11
957	Selected-Area Growth of SnO ₂ Nanowires on TiO ₂ Layer through Reduction of Hydrogen Gas. 2007 , 46, 1792-1796	6
956	Selective growth of single-crystalline ZnO nanowires on doped silicon. 2007 , 102, 056103	9
955	Preparation and Photoluminescence of ZnO Comb-Like Structure and Nanorod Arrays. 2007 , 20, 308-314	3
954	Single-crystal ZnO nanorods fabricated with different end morphologies. 2007 , 18, 095608	7
953	Diamond-shaped ZnO microrods and their optical and magnetic properties. 2007 , 18, 055709	3
952	Self-induced preparation of TiSi nanopins by chemical vapor deposition. 2007 , 18, 345605	14
951	Structure and stimulated emission of ZnSe nanoribbons grown by thermal evaporation. 2007 , 18, 305705	26
950	Photoresponse of SnO ₂ nanobelts grown in situ on interdigital electrodes. 2007 , 18, 285502	46
949	Fabrication and photoluminescence of bicrystalline SiC nanobelts. 2007 , 40, 3697-3701	49
948	Enhancement-mode metal-semiconductor field-effect transistors based on single n-CdS nanowires. 2007 , 90, 093109	38

947	Photoreduction and oxidation behavior of In ₂ O ₃ nanoparticles by metal organic chemical vapor deposition. 2007 , 102, 044310	19
946	Dynamic response and reinforcement mechanism of composites embedded with tetraneedlelike ZnO nanowhiskers. 2007 , 91, 021912	48
945	Zinc-blende ZnO and its role in nucleating wurtzite tetrapods and twinned nanowires. 2007 , 90, 153510	115
944	Controlled assembly of zinc oxide nanowires using dielectrophoresis. 2007 , 90, 103110	62
943	Buckling characterization of vertical ZnO nanowires using nanoindentation. 2007 , 90, 033109	75
942	Large-scale synthesis and optical behaviors of ZnO tetrapods. 2007 , 90, 153116	41
941	Controlled growth of oxygen-deficient tin oxide nanostructures via a solvothermal approach in mixed solvents and their optical properties. 2007 , 18, 355604	21
940	Doped gallium oxide nanowires with waveguiding behavior. 2007 , 91, 133108	56
939	Self-seeded growth and ultraviolet photoresponse properties of ZnO nanowire arrays. 2007 , 91, 073108	60
938	Visible light response of tin oxide nanobelts. 2007 ,	
937	Biocatalytic growth of semiconductor nanowires. 2007 , 101, 074306	4
936	Self-assembled formation of ZnO hexagonal micropylramids with high luminescence efficiency. 2007 , 90, 101918	10
935	Synthesis and analysis of abnormal wurtzite ZnSe nanowheels. 2007 , 102, 044302	29
934	Formation of single crystalline ZnO nanotubes without catalysts and templates. 2007 , 90, 113108	82
933	Synthesizing tungsten oxide nanowires by a thermal evaporation method. 2007 , 90, 173121	47
932	Secondary growth of small ZnO tripodlike arms on the end of nanowires. 2007 , 91, 013106	5
931	Characterization of ZnO Nanobelt-Based Gas Sensor for H_2 , NO_2 , and Hydrocarbon Sensing. 2007 , 7, 919-924	192
930	Bending strength and flexibility of ZnO nanowires. 2007 , 90, 043105	67

- 929 Electronic structure of Mn-doped ZnO quantum wires: A mean-field theory study. **2007**, 75, 12
- 928 Patterning-controlled morphology of spatially and dimensionally constrained oxide nanostructures. **2007**, 91, 143105 7
- 927 In situ study of the growth of ZnO nanosheets using environmental scanning electron microscope. **2007**, 90, 233104 14
- 926 Branched growth of degenerately Sb-doped SnO₂ nanowires. **2007**, 91, 073102 22
- 925 Catalyst-Free Growth of Tin Oxide One-Dimensional Nanostructures on Silicon Nitride Substrates. **2007**, 555, 297-302
- 924 Self-assembly of versatile tubular-like In₂O₃ nanostructures. **2007**, 18, 465605 14
- 923 The Growth Mechanism of Quasi One-Dimensional ZnO Nanostructures Synthesized by Carbon Reduction without Catalyst. **2007**, 546-549, 2209-2213
- 922 AlN nanowires for Al-based composites with high strength and low thermal expansion. **2007**, 22, 2711-2718 17
- 921 A new route to single crystalline vanadium dioxide nanoflakes via thermal reduction. **2007**, 22, 1921-1926 15
- 920 Growth of Single Crystalline ZnO Nanotubes and Nanosquids. **2007**, 1057, 1
- 919 The Synthesis and Crystallography of Some Novel ZnO Nano- and Micro-Crystals and Structures. **2007**, 31, 141-149
- 918 Preparation and Photocatalytic Properties of TiO₂/SiO₂ Composite Nanofibers. **2007**, 1056, 1
- 917 Synthesis and Characterization of In-Doped SnO₂ (ITO) Nanowires. **2007**, 121-123, 209-214 2
- 916 Synthesis of Si₂N₂O nanowires in porous Si₂N₂O/Si₃N₄ substrate using Si powder. **2007**, 22, 615-620 9
- 915 Growth of Binary Oxide Nanowires. **2007**, 32, 123-126 11
- 914 Fabrication of Monodispersed 1D Zinc Oxide Nanomaterials by a Simple Organic Chemical Solution Route. **2007**, 121-123, 175-178
- 913 Single-Crystal Uniform Tubes of ZnO. **2007**, 121-123, 801-804 1
- 912 Formation of Fe₂O₃ Nanoflakes by Heating Fe in Air. **2007**, 121-123, 45-48 1

911	Synthesis of Iron Oxide Nanowires by Heating Iron Foils. 2007 , 342-343, 597-600	
910	Toward Nanometer-Scale Sensing Systems: Natural and Artificial Noses as Models for Ultra-Small, Ultra-Dense Sensing Systems. 2007 , 71, 103-166	5
909	Field-emission properties of individual ZnO nanowires studied in situ by transmission electron microscopy. 2007 , 19, 176001	7
908	Electrical Characteristics of ZnO Nanowire-Based Field-Effect Transistors on Flexible Plastic Substrates. 2007 , 46, 6227-6229	10
907	Novel Nano-Heterostructure Materials and Related Devices. 2007 , 281-327	
906	Synthesis of SiO _x Nanowires through the Thermal Heating of Au-Coated Si Substrates. 2007 , 119, 79-82	
905	A Simple and Effective Route to Annihilate Defects in Nanocrystalline SnO ₂ Thin Films Prepared by Pulsed Laser Deposition. 2007 , 1026, 1	
904	Temperature-Controlled Catalytic Growth and Photoluminescence Properties of ZnO Nanostructures. 2007 , 31, 68-70	1
903	Fabrication, characterization and chemical modification of anthracene based nanostructures. 2007 , 22, 2719-2726	3
902	Piezoelectric Nanostructures: From Growth Phenomena to Electric Nanogenerators. 2007 , 32, 109-116	86
901	Characterization of Heat Propagation along Single Tin Dioxide Nanobelt using the Thermoreflectance Method. 2007 , 1022, 1	1
900	Synthesis and optical properties of partially S-doped ZnO symmetric three-sided feather-like nanostructures. 2007 , 16, 1736-1741	12
899	Polymer intercalated V ₂ O ₅ nanostructured cathodes for secondary batteries. 2007 , 38, 31-35	6
898	Structural and Photovoltaic Properties of High Surface Area One-dimensional Nanostructured TiO ₂ . 2007 , 1, 459-468	2
897	A New Approach to Prepare VO ₂ (B) Nanoribbons. 2007 , 36, 1366-1367	7
896	Wet Chemical Preparation of Well-dispersed Colloidal Cerium Oxide Nanocrystals. 2007 , 36, 764-765	10
895	Ordered semiconductor CdO nanowire arrays: synthesising by one-step low-temperature electrodeposition and optical properties. 2007 , 4, 110	21
894	In situ TEM probing properties of individual one-dimensional nanostructures. 2007 , 4, 119	3

893 ZnO-coated Ga₂O₃ nanowires. **2007**,

892 Reduction of Contrast in ADF-STEM Images Due To Amorphous Layer. **2007**, 1026, 1

891 42.2: Efficient Field Emission from ZnO by Morphological and Electronic Design. **2007**, 38, 1413-1416

890 Synthesis of aligned ripple-like and helical structure silica fibres. **2007**, 353, 1041-1045

889 Structural characterization of ZnO nano-chains studied by electron microscopy. **2007**, 436, 396-399

888 Study of Bi₂O₃ nanorods grown using the MOCVD technique. **2007**, 126, 306-310

887 Field Emission of a Single In-Doped ZnO Nanowire. **2007**, 111, 9039-9043

886 A supercritical carbon dioxide plasma process for preparing tungsten oxide nanowires. **2007**, 18, 495603

885 Nonaqueous Synthesis of Colloidal ZnGa₂O₄ Nanocrystals and Their Photoluminescence Properties. **2007**, 19, 5830-5832

884 Controlled Growth and Sensing Properties of In₂O₃ Nanowires. **2007**, 7, 2500-2504

883 Raman Spectra and Temperature-Dependent Raman Scattering of Silicon Nanowires. **2007**, 111, 5855-5858

882 Fabrication and magnetic properties of NiFe₂O₄ nanocrystalline nanotubes. **2007**, 42, 7214-7219

881 Lateral self-aligned p-type In₂O₃ nanowire arrays epitaxially grown on Si substrates. **2007**, 7, 1799-803

880 From ZnO nanorods to 3D hollow microhemispheres: solvothermal synthesis, photoluminescence and gas sensor properties. **2007**, 18, 455604

879 Sol-gel Combustion Hybrid Method for Nano-oxide Synthesis. **2007**,

878 Synthesis and Electrical Transport Properties of Single-Crystal Antimony Sulfide Nanowires. **2007**, 111, 17131-17135

877 Nonaqueous Route for the Synthesis of Copper Organosol from Copper Stearate: An Effective Catalyst for the Synthesis of Octylphenyl Ether. **2007**, 111, 1612-1619

876 Functional Nanowires. **2007**, 32, 99-108

875	Nanoscale mechanical characteristics of vertical ZnO nanowires grown on ZnO:Ga/glass templates. 2007 , 18, 225603	54
874	Optical properties of ZnO/ZnS and ZnO/ZnTe heterostructures for photovoltaic applications. 2007 , 7, 2377-82	371
873	Orientated Attachment Assisted Self-Assembly of Sb ₂ O ₃ Nanorods and Nanowires: End-to-End versus Side-by-Side. 2007 , 111, 5325-5330	75
872	Synthesis and Electrical Properties of Single Crystalline CrSi ₂ Nanowires. 2007 , 111, 9072-9076	60
871	Surface Energy of In-Doped ZnO Studied by PAW+U Method. 2007 , 561-565, 1861-1864	7
870	Ligand-free Self-Assembly of Ceria Nanocrystals into Nanorods by Oriented Attachment at Low Temperature. 2007 , 111, 12677-12680	124
869	Size-Tailored Synthesis and Luminescent Properties of One-Dimensional Gd ₂ O ₃ :Eu ³⁺ Nanorods and Microrods. 2007 , 111, 18148-18154	179
868	Controlling the Growth Mechanism of ZnO Nanowires by Selecting Catalysts. 2007 , 111, 17500-17505	97
867	Single-Crystalline BiVO ₄ Microtubes with Square Cross-Sections: Microstructure, Growth Mechanism, and Photocatalytic Property. 2007 , 111, 13659-13664	232
866	Ultralong single-crystal metallic Ni ₂ Si nanowires with low resistivity. 2007 , 7, 965-9	129
865	Shape- and Size-controlled Growth of ZnS Nanostructures. 2007 , 111, 8469-8474	70
864	Twinned SiC Zigzag Nanoneedles. 2007 , 111, 6233-6237	90
863	Growth of Different Nanostructures of Cu ₂ O (Nanothreads, Nanowires, and Nanocubes) by Simple Electrolysis Based Oxidation of Copper. 2007 , 111, 1638-1645	121
862	ZnO Doughnuts: Controlled Synthesis, Growth Mechanism, and Optical Properties. 2007 , 7, 136-141	103
861	X-ray Excited Optical Luminescence Studies of ZnO and Eu-Doped ZnO Nanostructures. 2007 , 111, 10194-10200	9
860	Low temperature wet chemical synthesis of good optical quality vertically aligned crystalline ZnO nanorods. 2007 , 18, 035606	66
859	Microwave absorption properties and mechanism of cage-like ZnO/BiO ₂ nanocomposites. 2007 , 91, 203110	226
858	Double dielectric relaxations in SnO ₂ nanoparticles dispersed in conducting polymer. 2007 , 102, 084110	16

857	Fluctuation-induced tunneling in TiO ₂ -derived nanotube pellets. 2007 , 101, 084308	12
856	A gradient microarray electronic nose based on percolating SnO(2) nanowire sensing elements. 2007 , 7, 3182-8	244
855	Facile Synthesis of Flowerlike Cu ₂ O Nanoarchitectures by a Solution Phase Route. 2007 , 7, 87-92	134
854	Template-Free Synthesis of Monodispersed and Single-Crystalline Cantaloupe-like Fe ₂ O ₃ Superstructures. 2007 , 7, 177-182	104
853	X-ray diffraction and Raman scattering studies on large-area array and nanobranched structure of 1D MoO ₂ nanorods. 2007 , 18, 115717	109
852	Synthesis, characterization and cathodoluminescence of nanostructured SnO ₂ using microwave plasma enhanced CVD. 2007 , 40, 2787-2791	5
851	Structural Properties of ZnO Grown on GaN/Sapphire Templates. 2007 , 10, H98	8
850	Enhancing UV photoconductivity of ZnO nanobelt by polyacrylonitrile functionalization. 2007 , 102, 084303	111
849	Noise Characteristics of ZnO-Nanowire Photodetectors Prepared on ZnO:Ga/Glass Templates. 2007 , 7, 1020-1024	17
848	Epitaxial growth of ZnO nanowall networks on GaN/sapphire substrates. 2007 , 90, 033107	74
847	Quantum-confined and tunable optical emission from sub-10-nm silicon oxide nanowires in aqueous suspension. 2007 , 91, 193111	3
846	Low-temperature growth of ZnO nanorods in anodic aluminum oxide on Si substrate by atomic layer deposition. 2007 , 90, 033104	56
845	Polymer functionalized piezoelectric-FET as humidity/chemical nanosensors. 2007 , 90, 262107	128
844	Growth and luminescence of oriented nanoplate arrays in tin doped ZnO. 2007 , 18, 115606	40
843	Preparation of aligned MnV ₂ O ₆ nanorods and their anodic performance for lithium secondary battery use. 2007 , 18, 175605	42
842	Nanorobotic Spot Welding by Attogram Precision Metal Deposition from Copper-filled Carbon Nanotubes. 2007 ,	0
841	Size dependence of the mechanical properties of ZnO nanobelts. 2007 , 87, 2135-2141	10
840	Growth of self-assembled ZnO nanowire arrays. 2007 , 87, 2097-2104	19

839	. 2007 , 6, 676-681	14
838	Tuning the density of ZnO nanorods and the field emission performance by seed layer in low temperature solution growth. 2007 ,	1
837	Synthesis, characterization and properties of erbium-based nanofibres and nanorods. 2007 , 18, 445606	12
836	Single semiconducting zinc oxide nanowire based device for thermal and airflow sensing. 2007 ,	
835	Si nanowire semisphere-like ensembles as field emitters. 2007 , 4093-5	39
834	Self-assembly and optical properties of patterned ZnO nanodot arrays. 2007 , 18, 415302	3
833	Temperature-triggered self-assembly of ZnO: from nanocrystals to nanorods to tablets. 2007 , 46, 11031-5	24
832	Fabrication and Field-Emission Performance of Zinc Sulfide Nanobelt Arrays. 2007 , 111, 13385-13392	40
831	Template-free fabrication of hexagonal ZnO microprism with an interior space. 2007 , 46, 8019-23	22
830	Fabrication of nanorods by metal evaporation inside the pores of ultra-thin porous alumina templates. 2007 , 18, 495604	8
829	Morphology Controllable ZnO Growth on Facet-Controlled Epitaxial Lateral Overgrown GaN/Sapphire Templates. 2007 , 111, 6405-6410	11
828	Controlled Growth and Optical Properties of One-Dimensional ZnO Nanostructures on SnO ₂ Nanobelts. 2007 , 7, 1988-1991	46
827	Nanomechanical characterization of one-step combustion-synthesized Al ₄ B ₂ O ₉ and Al ₁₈ B ₄ O ₃₃ nanowires. 2007 , 7, 3172-6	85
826	Controllable synthesis of flower- and rod-like ZnO nanostructures by simply tuning the ratio of sodium hydroxide to zinc acetate. 2007 , 18, 075606	68
825	Preparation and Dielectric Properties of Nanostructured ZnO Whiskers. 2007 , 24, 2994-2997	26
824	Gram-Scale, Low-Cost, Rapid Fabrication of High-Quality Width-Controlled One-Dimensional Conducting Polymer Nanobelts. 2007 , 19, 4621-4623	28
823	Bicrystal AlN Zigzag Nanowires. 2007 , 111, 17169-17172	30
822	Hydrothermal Synthesis of Zinc Hydroxide Chloride Sheets and Their Conversion to ZnO. 2007 , 19, 2329-2334	77

821	Photoswitchable Semiconductor Bismuth Sulfide (Bi ₂ S ₃) Nanowires and Their Self-Supported Nanowire Arrays. 2007 , 111, 12279-12283	100
820	Preparation of Radial and Longitudinal Nanosized Heterostructures of In ₂ O ₃ and SnO ₂ . 2007 , 7, 3553-3558	55
819	Ultralong cadmium hydroxide nanowires: synthesis, characterization, and transformation into CdO nanostrands. 2007 , 23, 9064-8	53
818	Growth Mechanism of TiSi Nanopins on Ti ₅ Si ₃ by Atmospheric Pressure Chemical Vapor Deposition. 2007 , 111, 10814-10817	21
817	Self-Assembly of Clewlike ZnO Superstructures in the Presence of Copolymer. 2007 , 111, 9729-9733	53
816	ZnS Nanoparticle-Assisted Synthesis and Optical Properties of ZnS Nanotowers. 2007 , 7, 1459-1462	53
815	Highly Aligned Ribbon-Shaped Pd Nanoparticle Assemblies by Spontaneous Organization. 2007 , 111, 7666-7670	9
814	Investigation of photoelectrical properties of Bi ₃ N ₄ nanobelts with surface modifications using first-principles calculations. 2016 , 18, 15686-96	7
813	Indium oxide: A transparent, conducting ferromagnetic semiconductor for spintronic applications. 2016 , 416, 66-74	30
812	Role of Nanoelectromechanical Switching in the Operation of Nanostructured Bi ₂ Se ₃ Interlayers between Conductive Electrodes. 2016 , 8, 12257-62	14
811	RF sputtered CuO thin films: Structural, optical and photo-catalytic behavior. 2016 , 81, 83-90	71
810	Electrospun nanowire arrays for electronics and optoelectronics. 2016 , 59, 200-216	29
809	Tuning electronic structure and optical properties of ZnO monolayer by Cd doping. 2016 , 42, 10997-11002	44
808	Synthesis of one-dimensional gold nanostructures and the electrochemical application of the nanohybrid containing functionalized graphene oxide for cholesterol biosensing. 2016 , 110, 79-90	29
807	Morphology of Zinc Oxide Nanoparticles and Nanowires: Role of Surface and Edge Energies. 2016 , 120, 9498-9505	23
806	Piezo-Phototronic Effect in a Quantum Well Structure. 2016 , 10, 5145-52	48
805	Size-dependent constituent equations of piezoelectric bimorphs. 2016 , 150, 1-7	18
804	Advanced mechanical and electrical characterization of piezoelectric ZnO nanowires for electro-mechanical modeling of enhanced performance sensors. 2016 , 244, 166-173	6

803	Polymer Nanocomposites. 2016 ,	9
802	Growth and Characterization of Pencil-Like ZnO Nanowires in the Presence of a Disturbance in Boundary Layer. 2016 , 29, 595-600	4
801	Preparation and growth mechanism of one-dimensional NdB ₆ nanostructures: nanobelts, nanoawls, and nanotubes. 2016 , 6, 41891-41896	7
800	Single ZnO nanowire ultraviolet detector with free-recovered contact performance. 2016 , 654, 37-40	4
799	Zinc oxide nanorod doped graphene for high efficiency organic photovoltaic devices. 2016 , 6, 87319-87324	2
798	The interplay between Arrhenius and hopping conduction mechanisms in a percolating nanowire network. 2016 , 49, 315303	6
797	Nanostructures and Thin Films Deposited with Sputtering. 2016 , 59-79	
796	Fabrication of lithium manganese oxide nanoribbons by electrospinning: A general strategy and formation mechanism. 2016 , 112, 429-435	5
795	X-ray excited luminescence of Ga- and In-doped ZnO microrods by annealing treatment. 2016 , 98, 351-358	7
794	ZnO based heterojunctions and their application in environmental photocatalysis. 2016 , 27, 402001	45
793	Facile fabrication of hierarchical ZnO nanowire aggregates using rose-like peroxide precursor as the inorganic template. 2016 , 90, 1614-1620	
792	Membranes: Polymer Nanocomposite Membranes for Wastewater Purification. 2016 , 498-507	
791	Fabrication of ZnO nanowires array with nanodiamond as reductant. 2016 , 6, 96479-96483	4
790	Vibration analysis of functionally graded piezoelectric nanoscale plates by nonlocal elasticity theory: An analytical solution. 2016 , 100, 57-75	29
789	A Local Nanofiber-Optic Ear. 2016 , 3, 1762-1767	10
788	Synthesis of Submicrometer Zinc Oxide Particles and Zinc Oxide Nanowires Using Microwave Irradiation. 2016 , 45, 508-510	5
787	General Synthetic Methods. 2016 , 15-37	2
786	Multi-functional CuO nanowire/TiO ₂ nanotube arrays photoelectrode synthesis, characterization, photocatalysis and SERS applications. 2016 , 160, 537-546	12

785	Piezotronic Effect Enhanced Label-Free Detection of DNA Using a Schottky-Contacted ZnO Nanowire Biosensor. 2016 , 10, 8038-44	59
784	Controllable synthesis of elongated hexagonal bipyramid shaped La(OH) ₃ nanorods and the distribution of electric property by off-axis electron holography. 2016 , 9, 2561-2571	9
783	A porous nanobranched structure: an effective way to improve piezoelectricity in sputtered ZnO thin films. 2016 , 6, 76996-77004	19
782	Porous and single-crystalline ZnO nanobelts: fabrication with annealing precursor nanobelts, and gas-sensing and optoelectronic performance. 2016 , 27, 355702	22
781	Structural investigations through cobalt effect on ZnO nanostructures. 2016 , 127, 10102-10107	19
780	Emergence of Nanowires. 2016 , 1-13	2
779	Biomedical Applications of Functionalized ZnO Nanomaterials: from Biosensors to Bioimaging. 2016 , 3, 1500494	111
778	Preparation and characterization of ZnO nanorod arrays produced using wet methods. 2016 , 107, 703-712	1
777	Facile synthesis of hierarchical MnO superstructures and efficient catalytic performance. 2016 , 18, 26602-26608	
776	Green Synthesis, Optical, Structural, Photocatalytic, Fluorescence Quenching and Degradation Studies of ZnS Nanoparticles. 2016 , 26, 2165-2175	25
775	Recent advances in the synthesis and application of photocatalytic metal-metal oxide core-shell nanoparticles for environmental remediation and their recycling process. 2016 , 6, 83589-83612	124
774	Rapid synthesis and photocatalytic activity of ZnO nanowires obtained through microwave-assisted thermal decomposition. 2016 , 42, 18045-18052	22
773	Facile glycothermal synthesis of ZnO nanopowder at low temperature. 2016 , 42, 17565-17570	6
772	Universal Approach for Predicting Crystallography of Heterogeneous Epitaxial Nanocrystals with Multiple Orientation Relationships. 2016 , 8, 34844-34853	4
771	GaN Haeckelite Single-Layered Nanostructures: Monolayer and Nanotubes. 2015 , 5, 17902	40
770	Tungsten oxide nanowire on copper surfaces: a DFT model. 2016 , 6, 88463-88468	1
769	Multistage growth of monocrystalline ZnO nanowires and twin-nanorods: oriented attachment and role of the spontaneous polarization force. 2016 , 18, 6492-6501	27
768	P-type transparent conducting oxides. 2016 , 28, 383002	189

767	Sacrificial Template Synthesis and Properties of 3D Hollow-Silicon Nano- and Microstructures. 2016 , 8, 20491-8	49
766	Electrostatics-Driven Hierarchical Buckling of Charged Flexible Ribbons. 2016 , 116, 148101	6
765	Controlled synthesis of SnO ₂ nanoneedles using one-step template-free hydrothermal method. 2016 , 27, 11536-11540	4
764	Selective nucleation and self-organized crystallization. 2016 , 62, 252-272	2
763	Doped or Not Doped: Ionic Impurities for Influencing the Phase and Growth of Semiconductor Nanocrystals. 2016 , 28, 5224-5237	28
762	A green one-pot Biginelli synthesis of 3,4-dihydropyrimidin-2-(1H)-ones catalyzed by novel Aurivillius nanostructures under solvent-free conditions. 2016 , 119, 511-522	8
761	Electrospun nanowebs of NiO/SnO ₂ p-n heterojunctions for enhanced gas sensing. 2016 , 389, 514-520	57
760	Effects of growth pressure on morphology of ZnO nanostructures by chemical vapor transport. 2016 , 658, 182-187	11
759	Silver nanostructures synthesis via optically induced electrochemical deposition. 2016 , 6, 28035	14
758	Buckling and post-buckling analyses of size-dependent piezoelectric nanoplates. 2016 , 6, 253-267	28
757	Synthesis of ultra-long hierarchical ZnO whiskers in a hydrothermal system for dye-sensitised solar cells. 2016 , 6, 109406-109413	10
756	Color tunable up-conversion emission from ZrO ₂ :Er ³⁺ ,Yb ³⁺ textile fibers. 2016 , 6, 103973-103980	7
755	Counterintuitive Reconstruction of the Polar O-Terminated ZnO Surface with Zinc Vacancies and Hydrogen. 2016 , 7, 4483-4487	16
754	Simultaneous in situ and ex situ growth of ultra-long Si ₃ N ₄ nanobelts with different optical properties. 2016 , 6, 98026-98034	8
753	Ce(3+)-ion-induced visible-light photocatalytic degradation and electrochemical activity of ZnO/CeO ₂ nanocomposite. 2016 , 6, 31641	435
752	Progress in piezo-phototronic effect enhanced photodetectors. 2016 , 4, 11341-11354	35
751	Amphiphilic Block Copolymer Templated Synthesis of Mesoporous Indium Oxides with Nanosheet-Assembled Pore Walls. 2016 , 28, 7997-8005	59
750	Blue emitting ZnO nanostructures grown through cellulose bio-templates. 2016 , 31, 978-85	5

749	Nanostructured Photodetectors: From Ultraviolet to Terahertz. 2016 , 28, 403-33	376
748	Two step hydrothermal synthesis of flowerbud-like magnetite/graphene oxide hybrid with high-performance microwave absorption. 2016 , 89, 297-303	7
747	Aspect ratio improvement of ZnO nanowires grown in liquid phase by using step-by-step sequential growth. 2016 , 18, 5502-5511	10
746	Characterization and photodegradation activity of hollow Zn _{1-x} Ni _x Fe ₂ O ₄ sphere. 2016 , 27, 2624-2632	4
745	Controlled synthesis of nano-ZnO via hydro/solvothermal process and study of their optical properties. 2016 , 127, 7586-7593	7
744	Structural, morphological and optical behaviour of PVP capped binary (ZnO) _{0.4} (CdO) _{0.6} nanoparticles synthesised by a facile thermal route. 2016 , 53, 56-65	38
743	Thermo-electro-mechanical vibration analysis of size-dependent nanobeam resting on elastic medium under axial preload in presence of surface effect. 2016 , 122, 1	12
742	Flexible lead-free piezoelectric nanofiber composites based on BNT-ST and PVDF for frequency sensor applications. 2016 , 247, 316-322	39
741	Control growth of catalyst-free ZnO tetrapods on glass substrate by thermal evaporation method. 2016 , 42, 13144-13150	6
740	Thermally Conductive Electrically Insulating Polymer Nanocomposites. 2016 , 281-321	3
739	Highly active and sintering-resistant heteroepitaxy of Au nanoparticles on ZnO nanowires for CO oxidation. 2016 , 25, 361-370	19
738	Controlled synthesis of hierarchical flower-like Sb ₂ WO ₆ microspheres: Photocatalytic and superhydrophobic property. 2016 , 39, 93-100	25
737	Progression in sensing cardiac troponin biomarker charge transductions on semiconducting nanomaterials. 2016 , 935, 30-43	24
736	Template free synthesis, characterization and application of nano ZnO rods for the photocatalytic decolourization of methyl orange. 2016 , 12, 1-7	2
735	Low frequency accelerator sensor based on piezoelectric ZnO nanorods grown by low temperature scalable process. 2016 , 213, 2503-2508	10
734	High-performance flexible transparent electrode films based on silver nanowire-PEDOT:PSS hybrid-gels. 2016 , 6, 64428-64433	21
733	Sm doping effect on structural, morphological, luminescence and antibacterial activity of CdO nanoparticles. 2016 , 27, 11182-11187	16
732	Controlling the exciton energy of zinc oxide (ZnO) quantum dots by changing the confinement conditions. 2016 , 152, 637-44	72

731	Synthesis and optoelectronic characteristics of 20 nm diameter silver nanowires for highly transparent electrode films. 2016 , 6, 11702-11710	47
730	Hydrodynamic fabrication of structurally gradient ZnO nanorods. 2016 , 27, 085704	4
729	Atomic-Scale Observation of Vapor-Solid Nanowire Growth via Oscillatory Mass Transport. 2016 , 10, 763-9	29
728	Dye decorated ZnO-NWs /CdS-NPs heterostructures for efficiency improvement of quantum dots sensitized solar cell. 2016 , 91, 244-251	9
727	Direct Blue Dye Degradation Using Titanium Nanostructures Under Energy-Efficient UV-LED Irradiation. 2016 , 25, 83-90	7
726	Trimethylphosphine-Assisted Surface Fingerprinting of Metal Oxide Nanoparticle by (31)P Solid-State NMR: A Zinc Oxide Case Study. 2016 , 138, 2225-34	64
725	Nanoscale stabilization of zintl compounds: 1D ionic Li-P double helix confined inside a carbon nanotube. 2016 , 8, 3454-60	11
724	Free-Standing Two-Dimensional Single-Crystalline InSb Nanosheets. 2016 , 16, 834-41	59
723	Synthesis of hierarchical dendritic micro/nano structure ZnFe ₂ O ₄ and photocatalytic activities for water splitting. 2016 , 24, 1112-1116	7
722	Optical properties of pure and TM-doped single-walled ZnO nanotubes (8,0) (TM = V and Co) by first principles calculations. 2016 , 30, 1550255	4
721	Well-aligned Nd-doped SnO ₂ nanorod layered arrays: preparation, characterization and enhanced alcohol-gas sensing performance. 2016 , 18, 5537-49	45
720	Morphological transformation of ZnO nanoparticle to nanorods via solid-solid interaction at high temperature annealing and functional properties. 2016 , 113, 163-166	18
719	ZnO nano-discs by lyophilization process: Size effects on their intrinsic luminescence. 2016 , 656, 758-763	55
718	One-Dimensional Nano-structured Solar Cells. 2016 , 351-400	
717	Structure and enhanced field emission properties of cone-shaped Zn-doped SnO ₂ nanorod arrays on copper foil. 2016 , 174, 32-35	5
716	Introduction to Nanomaterials. 2016 , 1-23	8
715	Oriented attachment (OA) mediated characteristic growth of Gd ₂ O ₃ nanorods from nanoparticle seeds. 2016 , 34, 158-165	13
714	Inspired smart materials with external stimuli responsive wettability: a review. 2016 , 6, 36623-36641	110

713	Electrospun carbon nanofibers and their hybrid composites as advanced materials for energy conversion and storage. 2016 , 22, 361-395	200
712	Intrinsic magnetic properties of ZnO nanoislands: Insight from first-principles study. 2016 , 380, 1324-1328	3
711	The impact of growth temperature on the structural and optical properties of catalyst-free ZnO nanostructures. 2016 , 3, 025003	2
710	Single-crystalline La Pr1B6 nanoawls: Synthesis, characterization and growth mechanism. 2016 , 42, 6236-6243	11
709	Growth and Electrical Properties of Free-Standing Zinc Oxide Nanomembranes. 2016 , 16, 1654-1661	7
708	Present perspectives of broadband photodetectors based on nanobelts, nanoribbons, nanosheets and the emerging 2D materials. 2016 , 8, 6410-34	196
707	Green light-emitting diode based on graphene-ZnO nanowire van der Waals heterostructure. 2016 , 9, 87-92	7
706	Direct growth of single-crystalline III-V semiconductors on amorphous substrates. 2016 , 7, 10502	37
705	The transformation of ZnO submicron dumbbells into perfect hexagonal tubular structures using CBD: a post treatment route. 2016 , 27, 025602	5
704	Crystallographic-shear-phase-driven W18O49 nanowires growth on nanocrystalline W surfaces. 2016 , 115, 28-32	16
703	Enhanced Photodetection by Glancing Angle Deposited Vertically Aligned TiO2 Nanowires. 2016 , 15, 389-394	15
702	Fabrication and X-Ray Excited Luminescence of Ga- and In-Doped ZnO Nanorods. 2016 , 63, 471-474	8
701	High-Quality, Reproducible ZnO Nanowire Arrays Obtained by a Multiparameter Optimization of Chemical Bath Deposition Growth. 2016 , 16, 2140-2150	28
700	Self-assembly of cadmium metasilicate nanowires as a broadband optical limiter. 2016 , 54, 50-56	5
699	Fabrication of Ag nanoparticles supported on one-dimensional (1D) Mn3O4 spinel nanorods for selective oxidation of cyclohexane at room temperature. 2016 , 40, 3812-3820	16
698	Diverse birnessite MnO2 nanosheets-based nanocomposites for supercapacitors. 2016 , 171, 319-322	15
697	Role of SiOx on the photoluminescence properties of Bi2O3. 2016 , 42, 8900-8908	14
696	Monodispersed colloidal zinc oxide nanospheres with various size scales: synthesis, formation mechanism, and enhanced photocatalytic activity. 2016 , 51, 5445-5459	15

- 695 Highly sensitive formaldehyde resistive sensor based on a single Er-doped SnO₂ nanobelt. **2016**, 489, 33-38 24
- 694 Engineered Hematite Mesoporous Single Crystals Drive Drastic Enhancement in Solar Water Splitting. **2016**, 16, 427-33 65
- 693 Nanoporous vanadium oxide network prepared by spray pyrolysis. **2016**, 168, 95-98 23
- 692 Morphological transformations in cobalt doped zinc oxide nanostructures: Effect of doping concentration. **2016**, 42, 5184-5194 32
- 691 Microwave-assisted synthesis of Cd(OH)₂/CdO nanorods: Effect of irradiation time. **2016**, 90, 117-123 6
- 690 Thermo-electro-mechanical vibration of postbuckled piezoelectric Timoshenko nanobeams based on the nonlocal elasticity theory. **2016**, 89, 316-327 95
- 689 Synthesis and characterization of DNA fenced, self-assembled SnO₂ nano-assemblies for supercapacitor applications. **2016**, 45, 3506-21 24
- 688 Hierarchical 3-dimensional nickel-iron nanosheet arrays on carbon fiber paper as a novel electrode for non-enzymatic glucose sensing. **2016**, 8, 843-55 72
- 687 A sensor array based on trigonal-selenium nanowires for the detection of gas mixtures. **2016**, 223, 131-137 8
- 686 A new synthesis route of ZnO nanonails via microwave plasma-assisted chemical vapor deposition. **2016**, 42, 1160-1168 21
- 685 Induction of zinc particles on the morphology and photoluminescent property of globular Zn/ZnO core/shell nanorod heterojunction array architectures. **2016**, 11, 383-394 3
- 684 ZnO single crystal microtubes: Synthesis, growth mechanism, and geometric structure using direct microwave irradiation. **2016**, 42, 828-833 6
- 683 ZnO nanopowders and their excellent solar light/UV photocatalytic activity on degradation of dye in wastewater. **2016**, 59, 142-149 9
- 682 Chemical Vapor Deposition Growth of Composite Silicon-Silica Nanowires from Silicon Monoxide Vapor. **2016**, 8, 225-231 1
- 681 Electrochemical supercapacitors of cobalt hydroxide nanoplates grown on conducting cadmium oxide base-electrodes. **2017**, 10, 515-522 13
- 680 Solution-phase synthesis of transition metal oxide nanocrystals: Morphologies, formulae, and mechanisms. **2017**, 244, 199-266 58
- 679 Polarized light source based on graphene-nanoribbon hybrid structure. **2017**, 395, 76-81 6
- 678 Electro-thermo-mechanical nonlinear free vibration of nanobeam resting on the winkler-pasternak foundations based on nonlocal elasticity using differential transform method. **2017**, 23, 2641-2648 7

677	Pt nanoparticles functionalized 3D SnO ₂ nanoflowers for gas sensor application. 2017 , 130, 20-27	44
676	Improving Morphological Quality and Uniformity of Hydrothermally Grown ZnO Nanowires by Surface Activation of Catalyst Layer. 2017 , 12, 51	11
675	Swift heavy ion induced optical and structural modifications in RF sputtered nanocrystalline ZnO thin film. 2017 , 91, 547-554	14
674	Enhanced output voltage generation via ZnO nanowires (50 nm): Effect of diameter thinning on voltage enhancement. 2017 , 104, 281-285	11
673	Preparation, characterization and photocatalytic activity of juglans-like indium oxide (In ₂ O ₃) nanospheres. 2017 , 192, 76-79	8
672	Cutting monolayer graphene into flexible spin filters. 2017 , 115, 43-49	4
671	Corrosion-Assisted Self-Growth of Au-Decorated ZnO Corn Silks and Their Photoelectrochemical Enhancement. 2017 , 9, 3967-3976	27
670	All-inkjet-printed flexible ZnO micro photodetector for a wearable UV monitoring device. 2017 , 28, 095204	51
669	Modeling of Nanostructures. 2017 , 1459-1513	
668	Mechanical and electrical characterization of PVDF-ZnO hybrid structure for application to nanogenerator. 2017 , 33, 462-468	95
667	One-pot green synthesis of zinc oxide nano rice and its application as sonocatalyst for degradation of organic dye and synthesis of 2-benzimidazole derivatives. 2017 , 104, 152-159	25
666	Facile and time-saving synthesis of octahedral Cu ₂ O crystals by an ethanol-assisted solution method at low temperatures. 2017 , 19, 1258-1264	5
665	Sonochemical assisted synthesis of RGO/ZnO nanowire arrays for photoelectrochemical water splitting. 2017 , 37, 669-675	50
664	Identification and visualization of the intellectual structure and the main research lines in nanoscience and nanotechnology at the worldwide level. 2017 , 19, 62	19
663	Raman and cathodoluminescence analysis of transition metal ion implanted Ga ₂ O ₃ nanowires. 2017 , 191, 56-60	12
662	ZnO nanostructure fabrication in different solvents transforms physio-chemical, biological and photodegradable properties. 2017 , 74, 137-145	65
661	Dimensional heterostructures of 1D CdS/2D ZnInS composited with 2D graphene: designed synthesis and superior photocatalytic performance. 2017 , 46, 2770-2777	59
660	Investigation of optical, photocatalytic and physical adsorption of a new nanocomposite synthesized via a simple co-precipitation method. 2017 , 132, 1	

659	Piezoelectricity of 2D nanomaterials: characterization, properties, and applications. 2017 , 32, 043006	40
658	Synthesis of ZnO Nanoparticle and its Application in Catalytic Hydrolysis of p-Acetoxynitrobenzene. 2017 , 16, 1750005	3
657	Phase transition study in strongly correlated VO ₂ based sensing systems. 2017 , 216, 23-32	21
656	Nanostructured Germanium Anode Materials for Advanced Rechargeable Batteries. 2017 , 4, 1600798	90
655	Improvement of bond strength between ZnO nanorods and carbon fibers using magnetron sputtered ZnO films as the interphase. 2017 , 19, 868-875	9
654	Optical properties of one dimensional hybrid PVA/YVO ₄ :Eu ³⁺ nanofibers synthesized by electrospinning. 2017 , 140, 211-215	3
653	Electro-mechanical free vibration of single-walled piezoelectric/flexoelectric nano cones using consistent couple stress theory. 2017 , 128-129, 125-139	51
652	Emerging tellurium nanostructures: controllable synthesis and their applications. 2017 , 46, 2732-2753	121
651	Thermo-electro-mechanical buckling analysis of cylindrical nanoshell on the basis of modified couple stress theory. 2017 , 31, 1773-1787	9
650	Doping of RE ions in the 2D ZnO layered system to achieve low-dimensional upconverted persistent luminescence based on asymmetric doping in ZnO systems. 2017 , 19, 12683-12711	12
649	TiO ₂ Nanorods Preparation from Titanyl Sulphate Produced by Dissolution of Ilmenite. 2017 , 176, 012042	1
648	The preparation, performance and lithiation mechanism of cobalt-doped zinc oxide as a high performance anode material for LIB. 2017 , 17, 1050-1057	5
647	Zinc oxide piezoelectric nano-generators for low frequency applications. 2017 , 32, 064005	35
646	Supercritical CO ₂ -assisted phase transformation from orthorhombic to hexagonal MoO ₃ . 2017 , 201, 129-132	18
645	Nanostructured ZnO - its challenging properties and potential for device applications. 2017 , 794, 012001	2
644	Size-dependent free vibration analysis of functionally graded piezoelectric plate subjected to thermo-electro-mechanical loading. 2017 , 28, 3039-3053	26
643	Scalable Indium Phosphide Thin-Film Nanophotonics Platform for Photovoltaic and Photoelectrochemical Devices. 2017 , 11, 5113-5119	27
642	Suppression of near band edge emission in specially engineered ZnO twin nanorods. 2017 , 19, 14012-14019	6

641	In-situ growth of g-C ₃ N ₄ layer on ZnO nanoparticles with enhanced photocatalytic performances under visible light irradiation. 2017 , 188, 347-350	27
640	Facile fabrication of selenium (Se) nanowires for enhanced lithium storage in Li-Se battery. 2017 , 23, 3571-3579	15
639	Transition metals doped and encapsulated ZnO nanotubes: Good materials for the spintronic applications. 2017 , 441, 139-148	20
638	Synthesis and time-resolved photoluminescence of SnO ₂ nanorods. 2017 , 1144, 355-359	14
637	Single CdS Nanorod for High Responsivity UV-Visible Photodetector. 2017 , 5, 1700159	31
636	Nanorods/nanostructural vanadium oxide prepared by spray pyrolysis. 2017 ,	
635	Modeling of diameter-dependent Fe and Co ultrathin nanowires from first-principles calculations. 2017 , 19, 15412-15423	11
634	Virtual substrate method for nanomaterials characterization. 2017 , 8, 15629	17
633	Photoelectrochemical Performance of CdS/ZnSe Core/Shell Nanorods Grown on FTO Substrates for Hydrogen Generation. 2017 , 164, H382-H388	6
632	Facile synthesis of ammonium vanadate nanofibers by using reflux in aqueous V ₂ O ₅ solution with ammonium persulfate. 2017 , 194, 313-321	10
631	High-Throughput Optical Imaging and Spectroscopy of One-Dimensional Materials. 2017 , 23, 9703-9710	
630	Resolving the degradation pathways in high-voltage oxides for high-energy-density lithium-ion batteries; Alternation in chemistry, composition and crystal structures. 2017 , 36, 76-84	26
629	Synthesis, optical, structural, and electrical properties of single-crystalline CdS nanobelts. 2017 , 123, 1	5
628	Bi ₂ O ₃ nanorods: synthesis, characterization and UV-photocatalytic activity. 2017 , 4, 035039	68
627	Transition metal oxides with one-dimensional/one-dimensional-analogue nanostructures for advanced supercapacitors. 2017 , 5, 8155-8186	317
626	Solution-derived ZnO nanoflowers based photoelectrodes for dye-sensitized solar cells. 2017 , 96, 211-217	13
625	Surface Engineering of Nanostructured ZnO Surfaces. 2017 , 4, 1600758	39
624	Hydrothermal growth of ZnO nanowire arrays: fine tuning by precursor supersaturation. 2017 , 19, 584-591	14

623	Hydrothermally grown ZnO nanoparticles for effective photocatalytic activity. 2017 , 418, 138-146	80
622	Perfect spin filtering effect in ultrasmall helical zigzag graphene nanoribbons. 2017 , 381, 504-509	2
621	Modulation of electronic properties of tin oxide nanobelts via thermal control of surface oxygen defects. 2017 , 28, 055701	2
620	Stress-Induced Shift of Band Gap in ZnO Nanowires from Finite-Element Modeling. 2017 , 8,	4
619	Synthesis, Characterization, and Application of One-Dimensional (1D) Nanostructures. 2017 , 147-219	
618	Controlled formation of ZnO hexagonal prisms using ethanolamines and water. 2017 , 84, 214-221	4
617	Synthetic Method Dependent Physicochemical Properties and Electrochemical Performance of Ni-Doped ZnO. 2017 , 2, 9014-9023	6
616	Semiconducting Metal Oxide Nanostructures for Water Splitting and Photovoltaics. 2017 , 7, 1700706	82
615	Controlled Growth of a Large-Size 2D Selenium Nanosheet and Its Electronic and Optoelectronic Applications. 2017 , 11, 10222-10229	128
614	Inorganic semiconducting materials for flexible and stretchable electronics. 2017 , 1,	107
613	Metal-to-insulator transition induced by UV illumination in a single SnO nanobelt. 2017 , 28, 445703	5
612	Scanning electron observation of protective effect of graphene films on Au nanoparticles. 2017 , 4, 085032	
611	Zinc oxide nanoparticles: Synthesis, antiseptic activity and toxicity mechanism. 2017 , 249, 37-52	275
610	One more step against nanotoxicity: Hierarchical particles designed to antifungal properties. 2017 , 134, 188-195	9
609	Enhanced Photovoltaic Performance by Surface Modification of TiO ₂ Nanorods with Aminopropyltrimethoxysilane (APTMS). 2017 , 75, 012005	4
608	Significant field emission enhancement in ultrathin nano-thorn covered NiO nano-petals. 2017 , 5, 9611-9618	18
607	Morphology control, electronic properties and evolution of light emission in faceted indium oxide structures. 2017 , 50, 455102	6
606	Optimizing growth of ZnO nanowire networks for high-performance UV detection. 2017 , 43, 15978-15985	29

605	Fabrication of a one-dimensional tube-in-tube polypyrrole/tin oxide structure for highly sensitive DMMP sensor applications. 2017 , 5, 17335-17340	27
604	Unidirectional growth of single crystalline $\text{Na}_{0.33}\text{V}_2\text{O}_5$ and V_2O_5 nanowires driven by controlling the pH of aqueous solution and their electrochemical performances for Na-ion batteries. 2017 , 19, 5028-5037	13
603	Formation of urchin-like ZnO nanostructures by sol-gel electrophoretic deposition for photocatalytic application. 2017 , 725, 291-301	35
602	Combustion synthesis of zero-, one-, two- and three-dimensional nanostructures: Current trends and future perspectives. 2017 , 63, 79-118	113
601	Enhanced dielectric properties of polyvinylidene fluoride nanocomposites via calcium copper titanate nanofibers. 2017 ,	
600	Bandgap Engineering of the g-ZnO Nanosheet via Cationic/Anionic Passivated Codoping for Visible-Light-Driven Photocatalysis. 2017 , 121, 18534-18543	25
599	Spray Pyrolysis Synthesis of ZnO Micro/Nanorods on Glass Substrate. 2017 , 46, 5629-5634	12
598	2D Materials-Based Quantum Dots: Gateway Towards Next-Generation Optical Devices. 2017 , 5, 1700257	51
597	Morphological Evolution of In_2O_3 Crystallites by Metallothermal Reaction Growth: A Unified Elucidation. 2017 , 28, 2733-2751	
596	Temperature controlled fabrication of chemically synthesized cubic In_2O_3 crystallites for improved photoelectrochemical water oxidation. 2017 , 201, 7-17	10
595	On-chip growth of semiconductor metal oxide nanowires for gas sensors: A review. 2017 , 2, 263-285	62
594	Analogous self-assembly and crystallization: a chloride-directed orientated self-assembly of Cu nanoclusters and subsequent growth of CuS nanocrystals. 2017 , 9, 10335-10343	5
593	Sodium Tungstate and Sodium Molybdate Hollow Microspheres. 2017 , 6, N3113-N3116	2
592	Direct and fast growth of highly single crystalline HfMoO_3 nanosheets on various substrates and its electrochemical activities. 2017 , 204, 173-176	7
591	Studies on complex π - π and T-stacking features of imidazole and phenyl/p-halophenyl units in series of 5-amino-1-(phenyl/p-halophenyl)imidazole-4-carboxamides and their carbonitrile derivatives: Role of halogens in tuning of conformation. 2017 , 1147, 520-540	6
590	Flexible physical sensors made from paper substrates integrated with zinc oxide nanostructures. 2017 , 2, 034001	16
589	. 2017 ,	1
588	Substrate dependent morphological and electrochemical properties of V_2O_5 thin films prepared by spray pyrolysis. 2017 , 28, 2385-2391	4

587	Free vibration analysis of functionally graded piezoelectric cylindrical nanoshell based on consistent couple stress theory. 2017 , 160, 1299-1309	66
586	Size dependent electro-mechanical vibration of single-walled piezoelectric nanotubes using thin shell model. 2017 , 114, 572-583	68
585	Nonlocal transient electrothermomechanical vibration and bending analysis of a functionally graded piezoelectric single-layered nanosheet rest on visco-Pasternak foundation. 2017 , 40, 167-184	41
584	Facile synthesis of ZnO nanostructures and enhancement of their sinterability via short-time cryo-milling. 2017 , 43, 1710-1715	4
583	Preparation of NiO nanofibers by electrospinning and their application for electro-catalytic oxidation of ethylene glycol. 2017 , 42, 906-913	19
582	Synergistic effects of 2D graphene oxide nanosheets and 1D carbon nanotubes in the constructed 3D carbon aerogel for high performance pollutant removal. 2017 , 314, 336-346	73
581	Zinc Oxide Thin Films for Memristive Devices: A Review. 2017 , 42, 153-172	64
580	Synthesis of ZnO Photocatalysts Using Various Surfactants. 2017 , 91, 2680-2685	3
579	Ag-ZnO Nanocomposite Thin Film by RF-Sputtering: An Electrical and Structural Study. 2017 , 376, 1600197	2
578	Metal-seed planting fabrication of W ₁₈ O ₄₉ core shell nanoflowers for gas sensors. 2017 , 7, 29844-29853	4
577	Lateral Growth of ZnO Nanowires Network Based on the Micro-electrode. 2017 , 46, 3213-3216	1
576	. 2017 ,	3
575	Tungsten disulfide saturable absorbers for 67 fs mode-locked erbium-doped fiber lasers. 2017 , 25, 2950-2959	168
574	ZnO Nanostructures for Tissue Engineering Applications. 2017 , 7,	89
573	Tuning the Surface Morphologies and Properties of ZnO Films by the Design of Interfacial Layer. 2017 , 12, 551	3
572	Production of zinc oxide nanowires power with precisely defined morphology. 2017 , 68, 66-69	
571	Nanocellulose as a template for the production of advanced nanostructured material. 2017 , 427-454	3
570	ZnO Nanowires for Dye Sensitized Solar Cells. 2017 ,	7

569	Nonlinear vibration of piezoelectric nanoplates using nonlocal Mindlin plate theory. 2018 , 25, 1252-1264	40
568	Nonlocal buckling of embedded magnetoelectroelastic sandwich nanoplate using refined zigzag theory. 2018 , 39, 529-546	20
567	Nickel hierarchical flower-like nanostructures: Controlled synthesis and catalytic hydrogenation of toluene. 2018 , 747, 523-529	3
566	Growth mechanism of octahedral like nickel ferrite crystals prepared by modified hydrothermal method and morphology dependent magnetic performance. 2018 , 44, 9809-9815	18
565	Influence of mesoporous defect induced mixed-valent NiO (Ni ²⁺ /Ni ³⁺)-TiO ₂ nanocomposite for non-enzymatic glucose biosensors. 2018 , 264, 27-37	68
564	Structure and ferromagnetism properties of leaf-like ZnO nanostructures. 2018 , 13, 100-103	
563	Enhanced acetone detection using Au doped ZnO thin film sensor. 2018 , 29, 15315-15320	28
562	Construction of self-powered cytosensing device based on ZnO nanodisks@g-CN quantum dots and application in the detection of CCRF-CEM cells. 2018 , 46, 101-109	63
561	Recent advances in 1D micro- and nanoscale indium oxide structures. 2018 , 752, 359-375	15
560	Nd ³⁺ -Yb ³⁺ /Nd ³⁺ -Yb ³⁺ -Li co-doped Gd ³⁺ O phosphors for up and down conversion luminescence. 2018 , 33, 647-653	9
559	Synthesis of aligned titanium-based oxide fibre arrays. 2018 , 44, 12149-12156	2
558	Support effect of Ag/ZnO catalysts for partial oxidation of methanol. 2018 , 92, 51-54	7
557	Synthesis and characterization of ZnO@CuO nanocomposites powder by modified perfume spray pyrolysis method and its antimicrobial investigation. 2018 , 39, 033001	105
556	The electron properties of infinite length single-walled silicon nanotubes are studied by density functional theory. 2018 , 123, 20-29	5
555	The electron properties of infinite length single-walled silicon nanotubes are studied by density functional theory. 2018 , 123, 88-93	
554	Shape-controlled synthesis of three-dimensional zinc oxide nanoflowers for disinfection of food pathogens. 2018 , 73, 297-301	5
553	Sol-Gel-Derived 2D Nanostructures of Aluminum Hydroxide Acetate: Toward the Understanding of Nanostructure Formation. 2018 , 122, 5141-5150	12
552	Epigallocatechin gallate-zinc oxide co-crystalline nanoparticles as an anticancer drug that is non-toxic to normal cells.. 2018 , 8, 7369-7376	6

551	Active Nano Metal Oxide Coating for Bio-fouling Resistance. 2018 , 71, 1323-1329	2
550	Review on plasmas in extraordinary media: plasmas in cryogenic conditions and plasmas in supercritical fluids. 2018 , 27, 023003	20
549	Directed self-assembly of dual metal ions with ligands: towards the synthesis of noble metal/metal oxide composites with controlled facets. 2018 , 54, 2044-2047	2
548	Y-doped ZnO nanosheets: Gigantic piezoelectric response for an ultra-sensitive flexible piezoelectric nanogenerator. 2018 , 44, 8582-8590	61
547	Smart Biomimetic Superhydrophobic Materials with Switchable Wettability. 2018 , 191-227	
546	Single-Carbon-Nanotube Manipulations and Devices Based on Macroscale Anthracene Flakes. 2018 , 30, 1705844	2
545	Junction-Free Electrospun Ag Fiber Electrodes for Flexible Organic Light-Emitting Diodes. 2018 , 14, 1702567	29
544	Role of Temperature on the Phase Modification of TiO ₂ Nanoparticles Synthesized by the Precipitation Method. 2018 , 10, 1679-1686	28
543	Influences of oxygen vacancies on the enhanced nonlinear optical properties of confined ZnO quantum dots. 2018 , 739, 345-352	17
542	In Situ Observation of the Growth of ZnO Nanostructures Using Liquid Cell Electron Microscopy. 2018 , 122, 875-879	5
541	A review of Ga ₂ O ₃ materials, processing, and devices. 2018 , 5, 011301	1114
540	Hydrogen adsorption properties of Ag decorated TiO ₂ nanomaterials. 2018 , 43, 2861-2868	23
539	Synthesis of Antimony Trioxide Crystals with Various Morphologies and Their UV-Vis-NIR Reflectance Performance. 2018 , 3, 4310-4314	3
538	Size effects on electrical properties of chemically grown zinc oxide nanoparticles. 2018 , 5, 035040	22
537	Biosynthesis of ZnO Nanoparticles by Adansonia Digitata Leaves Dye Extract: Structural and Physical Properties. 2018 , 3, 2487-2497	5
536	Synthesis of Galaxite, Mn _{0.9} Co _{0.1} Al ₂ O ₄ , and its application as a novel nanocatalyst for electrochemical hydrogen evolution reaction. 2018 , 538, 172-178	2
535	Molybdenum disulfide field-effect transistor biosensor for ultrasensitive detection of DNA by employing morpholino as probe. 2018 , 110, 71-77	38
534	Zinc oxide nano particles coating on polyester fabric functionalized through alkali treatment. 2018 , 47, 1006-1023	27

533	ZnO THIN FILMS: RECENT DEVELOPMENT, FUTURE PERSPECTIVES AND APPLICATIONS FOR DYE SENSITIZED SOLAR CELL. 2018 , 25, 1930001	7
532	Surfactant-free microwave hydrothermal synthesis of SnO ₂ nanosheets as an anode material for lithium battery applications. 2018 , 44, 201-207	31
531	MBE growth and morphology control of ZnO nanobelts with polar axis perpendicular to growth direction. 2018 , 212, 51-53	29
530	Annealing temperature-dependent electronic properties in hydrothermal TiO ₂ nanorod arrays. 2018 , 22, 567-580	4
529	Wave Propagation Analysis of Piezoelectric Nanoplates Based on the Nonlocal Theory. 2018 , 18, 1850060	18
528	High thermoelectric performance of few-quintuple Sb ₂ Te ₃ nanofilms. 2018 , 43, 285-290	38
527	Line defect Ce ³⁺ induced Ag/CeO ₂ /ZnO nanostructure for visible-light photocatalytic activity. 2018 , 353, 499-506	59
526	Effect of in situ Al doping on structure and optical properties of ZnO nanowires grown by MOCVD. 2018 , 5, 015003	7
525	Cation-Exchange Synthesis of Cu ₂ Se Nanobelts and Thermal Conversion to Porous CuO Nanobelts with Highly Selective Sensing toward H ₂ S. 2018 , 1, 245-253	20
524	Perovskite Solar Cells with ZnO Electron-Transporting Materials. 2018 , 30, 1703737	227
523	Sonochemical synthesis of Cu-doped CdO nanostructures and investigation of their physical properties. 2018 , 74, 210-217	17
522	Nucleation and growth of zinc crystals on a liquid surface. 2018 , 20, 122-127	7
521	Thermo-electro-radial coupling nonlinear instability of piezoelectric shear deformable nanoshells via nonlocal elasticity theory. 2018 , 24, 1333-1346	22
520	New Energy Harvesting Systems Based on New Materials. 2018 ,	
519	New system for nitrites and nitrates detection from natural water sources. 2018 ,	1
518	Novel Two-Dimensional Nanomaterial: High Aspect Ratio Titania Nanoflakes. 2018 ,	
517	Photoluminescence Study of the Influence of Additive Ammonium Hydroxide in Hydrothermally Grown ZnO Nanowires. 2018 , 13, 249	8
516	Low-Cost Flexible ZnO Microwires Array Ultraviolet Photodetector Embedded in PAVL Substrate. 2018 , 13, 277	8

515	Tailoring the properties of zinc oxide films by incorporating gold nanoparticles using RF magnetron sputtering. 2018 , 124, 1	2
514	Hydrothermal growth mechanism of SnO ₂ nanorods in aqueous HCl. 2018 , 73, 865-871	1
513	Synthesis, characterization, and properties of Mn ²⁺ doped ZnO nanoparticles. 2018 ,	1
512	Preparation of TiO ₂ nanorods as a coating material on Pt electrode for electrodegradation of methyl orange. 2018 ,	3
511	Preparation of Rod-like Aluminum Doped Zinc Oxide Powders by Sol-gel Technique Using Metal Chlorides and Acetylacetone Precursors. 2018 , 33, 1293-1297	2
510	Effect of Ethane-1,2-Diamine on Growth of ZnO Nanorods and Cyclohexane Sensing by Current-Voltage Characteristics Investigations. 2018 , 778, 126-131	
509	Mesoporous nanocrystalline ZnO microspheres by ethylene glycol mediated thermal decomposition. 2018 , 29, 3455-3461	14
508	Facile synthesis of monodispersed yolk-shelled molybdenum disulfide microspheres with enhanced photocatalytic properties. 2018 , 5, 3082-3090	7
507	Facile sol-gel synthesis and enhanced photocatalytic activity of the V ₂ O ₅ -ZnO nanoflakes. 2018 , 3, 452-455	11
506	Transitions of complex spin spiral magnetic structure in FeGe ₂ nanowires based on the magnetism comparison with FeGe ₂ films and unique transport properties. 2018 , 8, 065220	0
505	Nanogenerators, self-powered systems, blue energy, piezotronics and piezo-phototronics [A recall on the original thoughts for coining these fields. 2018 , 54, 477-483	113
504	Creation of Au nanoparticles decorated MoO ₃ nanorods using CoSP and the application as hole transport layer (HTL) in plasmonic-enhanced organic photovoltaic devices. 2018 , 176, 22-29	6
503	Nanoscale fiber-optic force sensors for mechanical probing at the molecular and cellular level. 2018 , 13, 2714-2739	5
502	Facile Synthesis of Well-Aligned ZnO Nanowires on Various Substrates by MOCVD for Enhanced Photoelectrochemical Water-Splitting Performance. 2018 , 6, 16047-16054	17
501	Facile synthesis of UV blocking nano-sized Zinc Oxide and Polymethyl-methacrylate polymer nanocomposite coating material. 2018 , 16, 371-380	17
500	First-principles insights on the electronic and optical properties of ZnO@CNT core@shell nanostructure. 2018 , 8, 15464	10
499	Morphology-Controllable Synthesis of Cubic-Structured In ₂ O ₃ Particles with Enhanced NO ₂ Gas Sensitivity. 2018 , 215, 1800401	3
498	Emulsion Polymerization Mechanism. 2018 ,	5

497	Mechanochemical synthesis of Ag/TiO ₂ for photocatalytic methyl orange degradation and hydrogen production. 2018 , 120, 339-347	74
496	Impact of heating temperature and time on the morphology of synthetic zinc oxide nanowires. 2018 , 32, 1850175	2
495	Microwave-assistant hydrothermal synthesis of SnO ₂ @ZnO hierarchical nanostructures enhanced photocatalytic performance under visible light irradiation. 2018 , 106, 74-80	29
494	Influence of cobalt doping on residual stress in ZnO nanorods. 2018 , 84, 131-137	14
493	Controlled growth of different shapes for ZnO by hydrothermal technique. 2018 ,	6
492	Functionalization of carbon fiber tows with ZnO nanorods for stress sensor integration in smart composite materials. 2018 , 29, 335501	10
491	Facile fabrication of hollow mesosphere of crystalline SnO ₂ nanoparticles and synthesis of SnO ₂ @SWCNTs@Reduced Graphene Oxide nanocomposite as efficient Pt-Free counter electrode for dye-sensitized solar cells. 2018 , 80, 271-278	10
490	Ultra-Low-Power Smart Electronic Nose System Based on Three-Dimensional Tin Oxide Nanotube Arrays. 2018 , 12, 6079-6088	57
489	Principles, Methods, Formation Mechanisms, and Structures of Nanomaterials Prepared via Gas-Phase Processes. 2018 , 19-70	0
488	Polymer-salt synthesis and characterization of MgO-ZnO ceramic coatings with the high transparency in UV spectral range. 2018 , 82, 81-87	17
487	Epitaxial Growth of Well-Aligned Single-Crystalline VO ₂ Micro/Nanowires Assisted by Substrate Facet Confinement. 2018 , 18, 3896-3901	8
486	Influence of Silver Dopant on Morphological, Dielectric and Magnetic Properties of ZnO Nanoparticles. 2018 , 47, 4098-4107	9
485	Optoelectronic performances on different structures of Al-doped ZnO. 2018 , 101, 5615-5626	17
484	Morphological controlled preparation and photocatalytic activity of zinc oxide. 2018 , 217, 182-191	23
483	Thermolysis of Polymeric Metal Chelates. 2018 , 247-350	1
482	Structural, electrical and optical properties of ZnO nanoparticle: combined experimental and theoretical study. 2018 , 124, 1	8
481	2D porous nanosheets of Y-doped ZnO for dielectric and ferroelectric applications. 2018 , 29, 13818-13832	19
480	Synthesis and applications of ZnO nanowire: A review. 2018 ,	12

479	Recent developments in photonic, plasmonic and hybrid nanowire waveguides. 2018 , 6, 11795-11816	24
478	Patterned Nanobrush Nature Mimics with Unprecedented Water-Harvesting Efficiency. 2018 , 5, 1800667	15
477	Microwave-assisted hydrothermal synthesis of SnO ₂ /reduced graphene-oxide nanocomposite as anode material for high performance lithium-ion batteries. 2018 , 29, 14723-14732	10
476	Silver Nanowire Templating Synthesis of Mesoporous SnO ₂ Nanotubes: An Effective Gas Sensor for Methanol with a Rapid Response and Recovery. 2018 , 3, 7741-7748	7
475	Bimetallic Nanoplates and Nanosheets. 2018 , 293-313	
474	Fast response CdS-CdS _x Te _{1-x} -CdTe core-shell nanobelt photodetector. 2018 , 63, 1118-1124	20
473	P-186: Extremely Long Length Electrospun Ag Fiber Electrodes for Flexible Organic Light Emitting Diodes. 2018 , 49, 1856-1858	
472	Formation mechanism and properties of nanorod-structured ZnO films prepared by pyrolysis of Zn acetate films. 2018 , 155, 403-407	3
471	A self-forming nanocomposite concept for ZnO-based thermoelectrics. 2018 , 6, 13386-13396	12
470	Fabrication of Graphene-Supported Palladium Nanoparticles-Decorated Zinc Oxide Nanorods for Potential Application. 2019 , 32, 721-728	5
469	Enhanced photocatalytic performance of Ni-doped SnO ₂ nanoparticles. 2019 ,	1
468	Electron Mobility due to Surface Roughness Scattering in Depleted GaAs Free-Standing Thin Ribbon. 2019 , 954, 51-59	
467	Optical properties of zig-zag and armchair ZnO colloidal nanoribbons. 2019 , 732, 136659	4
466	ZnO nanorod arrays grown on g-CN micro-sheets for enhanced visible light photocatalytic H ₂ evolution.. 2019 , 9, 24483-24488	15
465	Progress on Transition Metal-Doped ZnO Nanoparticles and Its Application. 2019 , 58, 17130-17163	63
464	Enhanced chemiresistive sensing performance of well-defined porous CuO-doped ZnO nanobelts toward VOCs. 2019 , 1, 3900-3908	9
463	Enhanced photocatalytic activity of Al and Fe co-doped ZnO nanorods for methylene blue degradation. 2019 , 45, 21430-21435	56
462	Synthesis Methods For 2D Nanostructured Materials, Nanoparticles (NPs), Nanotubes (NTs) and Nanowires (NWs). 2019 , 393-456	1

461	Experimental and Theoretical Studies on Molecular Structures, Nanostructural Features, and Photophysical Properties of 5-Amino-1-Alkylimidazole-4-Carboxamide Compounds. 2019 , 60, 990-1007	
460	Graphene-Based Mixed-Dimensional van der Waals Heterostructures for Advanced Optoelectronics. 2019 , 31, e1806411	67
459	Directional Self-Assembly of Zinc Oxide Micro- and Nanowires. 2019 , 45, 628-631	3
458	Origins of Negative Differential Resistance in N-doped ZnO Nano-ribbons: Ab-initio Investigation. 2019 , 9, 9914	6
457	Piezotronics and Piezo-phototronics of Third Generation Semiconductor Nanowires. 2019 , 119, 9303-9359	112
456	Introductory Chapter: Overview of ZnO Based Nano Materials and Devices. 2019 ,	
455	Periodic table of elements and nanotechnology. 2019 , 29, 479-485	9
454	Exciton Channel of Photoactivation for Redox Reactions on the Surface of 2D ZnO Nanostructures. 2019 , 123, 27399-27405	5
453	Lattice invisibility effect based on transverse Kerker scattering in 1D metalattices. 2019 , 52, 495107	6
452	Semiconductor nanowire plasmonic lasers. 2019 , 8, 2091-2110	25
451	Silver Quantum Dot Decorated 2D-SnO Nanoflakes for Photocatalytic Degradation of the Water Pollutant Rhodamine B. 2019 , 9,	2
450	Formation Mechanism and Properties of Foam-Structured ZnO Films Prepared Using Catalyst-Free Carbothermal Method. 2019 , 2019, 1-5	1
449	The effect of surfactant on structural and optical properties of ZnO nanorods by wet chemical synthesis. 2019 ,	1
448	Growth behavior of Ga_2O_3 nanowires synthesized by chemical vapor deposition. 2019 , 6, 1150a5	3
447	Preparation and photo-degradation performance of composite catalysts. 2019 , 300, 032025	
446	Synthesis of SnO_2 , Zn-doped SnO_2 and Zn_2SnO_4 nanostructure-based hierarchical architectures by using deep eutectic precursors and their photocatalytic application. 2019 , 21, 6758-6771	7
445	Preparation and evaluation of ZnO nanoparticles by thermal decomposition of MOF-5. 2019 , 5, e02152	18
444	Electrochemical measurements of ascorbic acid based on graphite screen printed electrode modified with $\text{La}_3^+/\text{Co}_3\text{O}_4$ nanocubes transducer. 2019 , 9, 197-206	5

443	Morphology-sensitive photoluminescent properties of YVO ₄ :Ln ³⁺ (Ln ³⁺ = Eu ³⁺ , Sm ³⁺ , Dy ³⁺ , Tm ³⁺) architectures. 2019 , 215, 116624	2
442	Tin oxide nanostructure fabrication via sequential infiltration synthesis in block copolymer thin films. 2019 , 557, 537-545	21
441	Effect of Poly Ethylene Glycol (PEG) on Structural, Thermal and Photoluminescence Properties of CdO Nanoparticles For Optoelectronic Applications. 2019 , 9, 175-183	13
440	Nanotechnology Facets of the Periodic Table of Elements. 2019 , 13, 10879-10886	15
439	Broad spectral response of an individual tellurium nanobelt grown by molecular beam epitaxy. 2019 , 11, 1879-1886	5
438	Realization of an efficient electron source by ultraviolet-light-assisted field emission from a one-dimensional ZnO nanorods/n-GaN heterostructure photoconductive detector. 2019 , 11, 1351-1359	15
437	Rational design of nanowire solar cells: from single nanowire to nanowire arrays. 2019 , 30, 194002	20
436	Transparent metal-oxide nanowires and their applications in harsh electronics. 2019 , 7, 202-217	37
435	Effects of surface passivation by hydrogen on the structural and electronic properties of a germanium nanowire: A sp ³ tight binding study. 2019 , 488, 404-417	3
434	First-Principles Prediction of the ZnO Morphology in the Perovskite Solar Cell. 2019 , 123, 14164-14172	2
433	Preparation of Si ₃ N ₄ nanorods assembled nanobelts by crystallizing amorphous Si ₃ N ₄ powders. 2019 , 112, 137-141	1
432	Green Synthesis of Nanoparticles for Water Treatment. 2019 , 205-263	11
431	Size-dependent thermo-electromechanical responses analysis of multi-layered piezoelectric nanoplates for vibration control. 2019 , 225, 111112	29
430	Chemical Approaches for 1D Oxide Nanostructures. 2019 , 53-83	3
429	Flame Synthesis of Nanostructured Transition Metal Oxides: Trends, Developments, and Recent Advances. 2019 , 201-263	0
428	Nanostructured ZnO-based materials for biomedical and environmental applications. 2019 , 285-305	1
427	Dexterous Route for Synthesis of Hollow Spherical ZnO and ZnO-Ag Nanocomposite with Superior Photocatalytic Ability. 2019 , 4, 5518-5526	4
426	Chiral mesostructured SnO ₂ films with tunable optical activities. 2019 , 94, 21-27	7

425	Experimental Study of Different Vanadium Dopant Concentrations in ZnO Nanorods for a Low Frequency Piezoelectric Accelerometer. 2019 , 48, 5310-5322	9
424	Influence of morphology on the photocatalytic and fiber optic ammonia gas sensing performance of tin oxide nanostructures by a novel microwave irradiation method. 2019 , 16, 2315-2325	1
423	Layer by Layer Assembly of Zinc Oxide Nanotubes and Nanoflowers as Catalyst for Separate and Simultaneous Catalytic Degradation of Dyes and Fuel Additive. 2019 , 4, 5548-5559	9
422	Band gap engineered zinc oxide nanostructures a sol-gel synthesis of solvent driven shape-controlled crystal growth.. 2019 , 9, 14638-14648	93
421	Formation mechanisms of ZnO nanowires on polycrystalline Au seed layers for piezoelectric applications. 2019 , 30, 345601	7
420	The epitaxial growth of ZnO films on Cu(111) surface: Thickness dependence. 2019 , 483, 133-139	8
419	Recent Progress in Electrochemical pH-Sensing Materials and Configurations for Biomedical Applications. 2019 , 119, 5248-5297	86
418	A self-powered flexibly-arranged gas monitoring system with evaporating rainwater as fuel for building atmosphere big data. 2019 , 60, 52-60	40
417	Synthesis of N-doped ZnO nanoparticles with cabbage morphology as a catalyst for the efficient photocatalytic degradation of methylene blue under UV and visible light.. 2019 , 9, 7509-7535	47
416	WS Nano-petals and Nano-bristles Supported on Carbon Nanotubes for Electron Emission Applications. 2019 , 9, 3672	4
415	ZnO-based photodetector: from photon detector to pyro-phototronic effect enhanced detector. 2019 , 52, 223001	32
414	ZIF-8 derived hierarchical hollow ZnO nanocages with quantum dots for sensitive ethanol gas detection. 2019 , 289, 144-152	44
413	Synthesis of silver-loaded ZnO nanorods and their enhanced photocatalytic activity and photoconductivity study. 2019 , 18, 1503-1511	33
412	A ZnO nanowire-based microfiber coupler for all-optical photodetection applications. 2019 , 11, 8319-8326	10
411	One-Dimensional Metal Nanostructures: From Colloidal Syntheses to Applications. 2019 , 119, 8972-9073	148
410	Phonon Evidence of Kohn Anomalies in Nanogenerator ZnO. 2019 , 59, 626-635	3
409	Influence of the shape on the magneto-optic properties of nanosized islands. 2019 , 228, 27-31	1
408	Preparation of nanostructured Cu/Zr metal mixed oxides via self-sustained oxidation of a CuZr binary amorphous alloy. 2019 , 35, 1601-1606	10

407	Hyperferroelectricity in ZnO: Evidence from analytic formulation and numerical calculations. 2019 , 99,	1
406	A novel method of electrochemically growing ZnO nanorods on graphene oxide as substrate for gas sensing applications. 2019 , 6, 075039	3
405	Nonlinear free vibration of piezoelectric cylindrical nanoshells. 2019 , 40, 601-620	9
404	One-dimensional SiC nanostructures: Designed growth, properties, and applications. 2019 , 104, 138-214	62
403	Enhanced photocatalytic performance of ZnO monolayer for water splitting via biaxial strain and external electric field. 2019 , 481, 1064-1071	20
402	Shape dependence of photosensitive properties of WO ₃ oxide for photocatalysis under solar light irradiation. 2019 , 483, 313-323	25
401	Site-specific growth of oriented ZnO nanocrystal arrays. 2019 , 10, 274-280	1
400	Enhanced photoelectrical response of thermodynamically epitaxial organic crystals at the two-dimensional limit. 2019 , 10, 756	47
399	Optical absorption in monolayer SnO ₂ . 2019 , 99,	0
398	Visible-light effect and carrier complex mechanism of Zn _{1-x} TM _x O _{1-y} N _y (trivalent metal = Al, Ga, In) systems. 2019 , 162, 39-46	6
397	Electronic Properties of Al-, Ga-, and In-Doped Armchair ZnO Nanoribbons. 2019 ,	2
396	Synthesis of single crystalline BiTe nanobelts by catalyst-free vapor transport method. 2019 , 6, 1250e8	
395	1D Semiconducting Nanostructures for Flexible and Large-Area Electronics: Growth Mechanisms and Suitability. 2019 ,	9
394	Smart gas sensor arrays powered by artificial intelligence. 2019 , 40, 111601	21
393	Atomistic analysis of nanoextrusion process for fabrication of gold nanowires. 2019 , 126, 205104	0
392	Effective ways to enhance the photocatalytic activity of ZnO nanopowders: high crystalline degree, more oxygen vacancies, and preferential growth. 2019 , 43, 19223-19231	10
391	Catalyst-free large-scale synthesis of composite SiC@SiO ₂ /carbon nanofiber mats by blow-spinning. 2019 , 7, 15233-15242	9
390	Effect of ZnO Nanoparticles Coating Layers on Top of ZnO Nanowires for Morphological, Optical, and Photovoltaic Properties of Dye-Sensitized Solar Cells. 2019 , 10,	6

- 389 Methodologies for Achieving 1D ZnO Nanostructures Potential for Solar Cells. **2019**,
- 388 Unraveling the effect of Gd doping on the structural, optical, and magnetic properties of ZnO based diluted magnetic semiconductor nanorods.. **2019**, 9, 33207-33221 72
- 387 Low temperature molten salt synthesis of CeF₃ and CeF₃:Tb³⁺ phosphors with efficient luminescence properties. **2019**, 205, 122-128 7
- 386 Iron and nickel doped tin (IV) oxide nanosheets: Synthesis, characterization and applications in hybrid solar cells. **2019**, 108, 307-316 5
- 385 A one-pot method for controlled synthesis and selective etching of organic-inorganic hybrid perovskite crystals. **2019**, 33, 149-154 2
- 384 Nanoarchitectonics of Visible-Blind Ultraviolet Photodetector Materials: Critical Features and Nano-Microfabrication. **2019**, 7, 1800580 29
- 383 Di-/piezo-/ferro-electric characterizations of 3D hierarchical sisal-like Eu³⁺/Gd³⁺ co-doped ZnO micro-flowers assembled with 1D nanopencils. **2019**, 25, 1373-1386 5
- 382 Nanosheet and nanosphere morphology dominated photocatalytic & antibacterial properties of ZnO nanostructures. **2019**, 89, 1-14 26
- 381 Adsorption effect of a chromium atom on the structure and electronic properties of a single ZnO monolayer. **2019**, 565, 44-47 2
- 380 Recent advances in synthesis, properties, and applications of vanadium oxide nanotube. **2019**, 145, 966-978 36
- 379 Structural, photoluminescence and magnetic properties of Cu-doped SnO₂ nanoparticles co-doped with Co. **2019**, 112, 458-466 18
- 378 Preparation of porous graphene/carbon nanotube composite and adsorption mechanism of methylene blue. **2019**, 1, 1 13
- 377 Rendering polypropylene biocomposites antibacterial through modification with oyster shell powder. **2019**, 160, 265-271 41
- 376 Effect of the zinc salt concentration on the ZnO thin films properties grown by MWCBD. **2019**, 6, 026430
- 375 Size-controlled, high optical quality ZnO nanowires grown using colloidal Au nanoparticles and ultra-small cluster catalysts. **2019**, 7, 022518 4
- 374 ZnO inverse opals with deposited Ag nanoparticles: Fabrication, characterization and photocatalytic activity under visible light irradiation. **2019**, 371, 118-127 15
- 373 Thermo-electro-mechanical vibration analysis of nonlocal piezoelectric nanoplates involving material uncertainties. **2019**, 208, 771-783 19
- 372 Improved performance of a back-illuminated GaN-based metal-semiconductor-metal ultraviolet photodetector by in-situ modification of one-dimensional ZnO nanorods on its screw dislocations. **2019**, 775, 1213-1220 3

371	A new approach for synthesis of ZnO nanorod flowerets and subsequent pure free-standing ZnO nanorods. 2019 , 30, 30-41	19
370	Improved field emission from appropriately packed TiO ₂ nanorods: Designing the miniaturization. 2019 , 126, 1-7	12
369	Ga ₂ O ₃ nanobelt devices. 2019 , 331-368	1
368	Zinc Oxide Nanoparticle-Induced Responses on Plants. 2019 , 43-64	6
367	Formation of Mn ₃ O ₄ nanobelts through the solvothermal process and their photocatalytic property. 2019 , 12, 429-439	23
366	Size-dependent effect on thermo-electro-mechanical responses of heated nano-sized piezoelectric plate. 2019 , 29, 477-495	19
365	Facile synthesis of Cu-doped ZnO nanoparticle in triethyleneglycol: photocatalytic activities and aquatic ecotoxicity. 2020 , 41, 3745-3755	1
364	Improved performance of solution processed organic solar cells with an additive layer of sol-gel synthesized ZnO/CuO core/shell nanoparticles. 2020 , 814, 152292	26
363	A review on piezo-/ferro-electric properties of morphologically diverse ZnO nanostructures. 2020 , 816, 152491	36
362	Electrical properties of tin oxide materials. 2020 , 41-60	0
361	Ultra-thin metal-organic framework nanoribbons. 2020 , 7, 46-52	18
360	Au Plasmonic Shofar Structures. 2020 , 15, 201-208	
359	Nanoscale zinc oxide based heterojunctions as visible light active photocatalysts for hydrogen energy and environmental remediation. 2020 , 62, 346-405	49
358	Synthesis of Ordered Mesoporous ZnO Nanostructures for Gas Sensing. 2020 , 20, 2351-2358	6
357	Study on the role of growth time on structural, morphological and optical properties of un-capped and L-cyst.-capped ZnO nanorods grown on a GZO seeded thin film layer from an aqueous solution. 2020 , 821, 153459	4
356	Environmental Nanotechnology Volume 3. 2020 ,	1
355	Photoluminescence of ZnO/ZnMgO heterostructure nanobelts grown by MBE. 2020 , 31, 135604	6
354	Reliable optoelectronic switchable device implementation by CdS nanowires conjugated bent-core liquid crystal matrix. 2020 , 82, 105592	18

- 353 Intrinsic piezoelectric characterization of BiFeO₃ nanofibers and its implications for energy harvesting. **2020**, 509, 144760 15
- 352 Stabilization of metal(II)oxides on the nanoscale. **2020**, 8, 41-47
- 351 Deposition of In₂O₃ nanofibers on polyimide substrates to construct high-performance and flexible trimethylamine sensor. **2020**, 31, 2142-2144 3
- 350 Piezotronically enhanced detection of protein kinases at ZnO micro/nanowire heterojunctions. **2020**, 69, 104330 6
- 349 Adsorption effect of NO₂ on ZnO (100 nm) nanowires, leading towards reduced reverse leakage current and voltage enhancement. **2020**, 43, 1 2
- 348 Improved activity for the photo-degradation by organic-inorganic composite photocatalysts. **2020**, 772, 012049 1
- 347 Preparation, Characterization, and Application Magnetic Fe₃O₄@SiO₂@Bi₂O₃ Nanoparticles for the Synthesis of Diindolylloxindole Derivatives. **2020**, 65, 940-947 6
- 346 Current Trends in Nanomaterials for Metal Oxide-Based Conductometric Gas Sensors: Advantages and Limitations. Part 1: 1D and 2D Nanostructures. **2020**, 10, 30
- 345 Great Enhancement of Self-Powered Photoresponse Performance of C₃H₈NSi-TiO₂ NRAs/n-Si Heterojunction by Build-In and Build-Out Electric Field Jointly Promoting Carrier Separation. **2020**, 6, 2000501 6
- 344 Multifunctional Hierarchically Architected ZnO for Luminescence, Photocatalytic, Electrocatalytic, and Energy Storage Applications. **2020**, 10, 1025 0
- 343 A review: zinc oxide nanoparticles - friends or enemies?. **2020**, 1-17 24
- 342 Photoresponse properties of CdSe thin film photodetector. **2020**, 31, 15061-15069 11
- 341 Facile synthesis and biophysical characterization of egg albumen-wrapped zinc oxide nanoparticles: A potential drug delivery vehicles for anticancer therapy. **2020**, 60, 102015 11
- 340 Optical and structural characterization of aluminium doped zinc oxide thin films prepared by thermal evaporation system. **2020**, 109, 110374 3
- 339 Other Hybridized Nanogenerators. **2020**, 97-132
- 338 SPEEK/ZnO Nanocomposite Modified Gold Electrode for Electrochemical Detection of Dopamine. **2020**, 32, 2713-2722 3
- 337 Single-nanostructure bandgap engineering enabled by magnetic-pulling thermal evaporation growth. **2020**, 2, 4305-4322
- 336 Synthesis of zinc oxide nanorods with different aspect ratios by solvothermal method. **2020**, 772, 012050

- 335 Free carrier enhanced depletion in ZnO nanorods decorated with bimetallic AuPt nanoclusters. **2020**, 12, 19213-19222 8
- 334 Recent Advances in Semiconducting Monoelemental Selenium Nanostructures for Device Applications. **2020**, 30, 2003301 18
- 333 One step synthesis of ZnO nanoparticles with zinc acetate dehydrates and potassium. **2020**, 16, 89
- 332 Photocatalysis for Organic Wastewater Treatment: From the Basis to Current Challenges for Society. **2020**, 10, 1260 28
- 331 Recent advances in ZnO nanostructure-based electrochemical sensors and biosensors. **2020**, 8, 5826-5844 54
- 330 Pyramid-Shaped Single-Crystalline Nanostructure of Molybdenum with Excellent Mechanical, Electrical, and Optical Properties. **2020**, 12, 24218-24230 2
- 329 Solution-precipitation synthesis of perovskite polyhedron and its lasing applications. **2020**, 8, 6667-6671 3
- 328 Large magnetodielectric effect and negative magnetoresistance in NiO nanoparticles at room temperature.. **2020**, 10, 13708-13716 14
- 327 The Effect of PVP Concentration on Particle Size, Morphological and Optical Properties of Cassiterite Nanoparticles. **2020**, 8, 93444-93454 6
- 326 Application of Electrospun Materials in LEDs. **2020**, 99-123 1
- 325 Synthesis of zinc oxide using Agaricus bisporus and its in-vitro biological activities. **2020**, 8, 104192 2
- 324 Copper Vanadate Nanobelts as Anodes for Photoelectrochemical Water Splitting: Influence of CoO Overlayers on Functional Performances. **2020**, 12, 31448-31458 10
- 323 Advances in Functional Finishing of Textiles. **2020**, 2
- 322 Green and Economic Fabrication of Zinc Oxide (ZnO) Nanorods as a Broadband UV Blocker and Antimicrobial Agent. **2020**, 10, 27
- 321 Effect of dilution in a hydrothermal process and post-synthetic annealing on the tailoring of hierarchical ZnO nanostructures. **2020**, 22, 3059-3069 9
- 320 Controllable lateral growth and electrical properties of nonpolar ZnO nanowires. **2020**, 10, 035001
- 319 Effects of Experimental Configuration on the Morphology of Two-Dimensional ZnO Nanostructures Synthesized by Thermal Chemical-Vapor Deposition. **2020**, 10, 517 5
- 318 Nanowire Growth without Catalysts: Applications and Mechanisms at the Atomic Scale. **2020**, 3, 7314-7324 4

317	Electrospun CNF Supported Ceramics as Electrochemical Catalysts for Water Splitting and Fuel Cell: A Review. 2020 , 12,	18
316	The investigation of mechanical and dielectric properties of Samarium doped ZnO nanoparticles. 2020 ,	6
315	Piezoelectric Nano-Biomaterials for Biomedicine and Tissue Regeneration. 2020 , 30, 1909045	115
314	Investigation of catalytic and fuel additive applications of copper/copper(I) oxide/copper(II) oxide (Cu/CuO/Cu ₂ O) microspheres synthesized by hydrothermal method using sucrose as template. 2020 , 7, 025036	5
313	Low-temperature chemical nanofabrication methods. 2020 , 149-211	2
312	Structural and optical properties of Fe ³⁺ doped ZnCdO nanostructures for luminescent application. 2020 , 205, 164283	1
311	Biomedical application of manganese dioxide nanomaterials. 2020 , 31, 202001	18
310	Comparison of TiO ₂ nanowires and TiO ₂ nanoparticles for photodegradation of resorcinol as endocrine model. 2020 , 22, 1	6
309	Controlled Morphology of Single-Crystal Molybdenum Trioxide Nanobelts for Photocatalysis. 2020 , 20, 1917-1921	20
308	Capping action of ionic surfactants on the nucleation of lawsone-Ag ⁺ redox system. 2020 , 309, 113214	4
307	ZnO/CuSCN Nano-Heterostructure as a Highly Efficient Field Emitter: a Combined Experimental and Theoretical Investigation. 2020 , 5, 6715-6724	8
306	Zinc oxideBased nanomaterials for environmental applications. 2020 , 73-107	3
305	One-dimensional mesoporous inorganic nanostructures and their applications in energy, sensor, catalysis and adsorption. 2020 , 113, 100671	39
304	Supercritical CO ₂ -induced nondestructive coordination between ZnO nanoparticles and aramid fiber with highly improved interfacial-adhesion properties and UV resistance. 2020 , 521, 146430	12
303	Methods for design and fabrication of nanosensors: the case of ZnO-based nanosensor. 2020 , 9-30	3
302	Synthesis of SnO ₂ nanowires as a reusable and flexible electrode for electrochemical detection of riboflavin. 2020 , 156, 104858	31
301	Controlled optoelectronic properties and abrupt change in photosensitivity by suppressing density of oxygen vacancies in SnO ₂ nanocrystalline thin films prepared at various spray-deposition temperatures. 2020 , 95, 065807	4
300	Controlled Growth and Bandstructure Properties of One Dimensional Cadmium Sulfide Nanorods for Visible Photocatalytic Hydrogen Evolution Reaction. 2020 , 10,	8

- 299 One-step thermal oxidation synthesis of large-area Mn₃O₄ nanoflakes at low temperature in air atmosphere. **2020**, 39, 1469-1472 1
- 298 Nitrogen plasma irradiation of Fe doped ZnO nanowire arrays for improved optical properties. **2021**, 36, 383-389 0
- 297 ZnO Microwire-Based Fiber-Tip Fabry-Pérot Interferometer for Deep Ultraviolet Sensing. **2021**, 39, 4225-4229 4
- 296 High-power instant-synthesis technology of carbon nanomaterials and nanocomposites. **2021**, 80, 105500 6
- 295 Stacking of 2D Materials. **2021**, 31, 2007810 42
- 294 Triboelectric nanogenerators for human-health care. **2021**, 66, 490-511 28
- 293 On the local/nonlocal piezoelectric nanobeams: Vibration, buckling, and energy harvesting. **2021**, 151, 107432 23
- 292 Acute Myocardial Infarction Biosensor: A Review From Bottom Up. **2021**, 46, 100739 7
- 291 Black potassium titanate nanobelts: Ultrafast and durable aqueous redox electrolyte energy storage. **2021**, 483, 229140 2
- 290 Applications of Low-Melting-Point Metals in Rechargeable Metal Batteries. **2021**, 27, 6407-6421 3
- 289 On the size-dependent nonlinear dynamics of viscoelastic/flexoelectric nanobeams. **2021**, 27, 2018-2033 7
- 288 Interfacial Charge Transport in 1D TiO₂ Based Photoelectrodes for Photoelectrochemical Water Splitting. **2021**, 17, e1903378 48
- 287 Synthesis of ZnO-CdO nanocomposite by sol-gel for NO₂ gas sensing. **2021**, 42, 2320-2325 0
- 286 Oriented attachment induced morphology modulation of ZnO nanoparticles at low temperature using KOH as a morphology controller. **2021**, 45, 17009-17024 1
- 285 Biosensor Devices Based on Metal Oxide Materials. **2021**, 311-333
- 284 N-Doped zinc oxide as an effective fluorescence sensor for urea detection. **2021**, 45, 6080-6090 3
- 283 Emergence and Control of Stacking Fault Formation during Nanoparticle Cation Exchange Reactions. **2021**, 143, 1779-1783 8
- 282 A study of tunable optical properties of ZnO/CdS heterostructures with varying shell thickness structures. **2021**, 46, 903-907 1

281	Zinc oxide nanoparticles for bioimaging and drug delivery. 2021 , 483-509	1
280	Self-powered environmental monitoring gas sensors: Piezoelectric and triboelectric approaches. 2021 , 463-489	3
279	Diverse morphology zinc oxide films formulations and characterizations. 2021 , 57-92	
278	Nanoscaled Zinc Oxide Prepared by Mono-amino Acid Templated Assembly and Their Superior Biological Properties. 1	0
277	Textiles Functionalized with ZnO Nanoparticles Obtained by Chemical and Green Synthesis Protocols: Evaluation of the Type of Textile and Resistance to UV Radiation. 2021 , 9, 10	3
276	Modulation on Radiative Recombination Rate of CdS Nanobelts by Selective Rare Earth Ions. 2021 , 56, 2000170	
275	Electrochemical performance of SnO ₂ rods and SnO ₂ /rGO, SnO ₂ /MWCNTs composite materials as an anode for lithium-ion battery application-A comparative study. 2021 , 32, 7619-7629	1
274	Construction of Zn/Ni Bimetallic Organic Framework Derived ZnO/NiO Heterostructure with Superior -Propanol Sensing Performance. 2021 , 13, 9206-9215	18
273	Enhancing the Ultraviolet Photocurrent and Response Speed of Zinc Oxide Nanoflowers using Surface Plasmons of Gold Nanoparticles and a Graphene Membrane. 2021 , 15, 2000512	1
272	Preferential growth of specific crystal planes based on the dimension control of single crystal SnO ₂ nanobelts. 2021 , 285, 129121	0
271	Review Influence of Processing Parameters to Control Morphology and Optical Properties of Sol-Gel Synthesized ZnO Nanoparticles. 2021 , 10, 023002	55
270	Chemically synthesized ZnO and Cd-ZnO thick films as Ethanol sensor. 2021 , 1126, 012046	
269	Changes in the Structure, Magnetization, and Resistivity of BaFe ₁₂ X ₂ Ti _x O ₁₉ . 2021 , 3, 1583-1593	7
268	From Chain- to Graphene-like Hydroxyl-terminated (ZnO) Clusters with n ₂ Obtained via Zinc Dimethoxide Hydrolysis and Condensation: Ab initio Structural, Electronic, Vibrational and Optical Properties Calculations. 2021 , 22, 849-863	1
267	Electronic and optical properties of tapered tetrahedral semiconductor nanocrystals. 2021 , 32,	2
266	Electron energy loss spectroscopy and first-principles study of GaN via Zn doping. 2021 , 143, 103012	
265	Metal-Oxide Based Nanomaterials: Synthesis, Characterization and Their Applications in Electrical and Electrochemical Sensors. 2021 , 21,	18
264	Van der Waals Integration Based on Two-Dimensional Materials for High-Performance Infrared Photodetectors. 2021 , 31, 2103106	31

263	Effect of Asymmetry Mechanical Loads on the Potential Barrier Region of a Piezoelectric pn Junction. 2021 , 68, 1783-1790	2
262	Synthesis, Characterization, and Photodegradation Activity of Fe ₃ O ₄ @ZnO Nanoflowers. 2021 , 1951, 012029	
261	Catalyst free growth of ZnO thin film nanostructures on Si substrate by thermal evaporation. 2021 , 127, 1	0
260	Elasticity solutions for nano-plane structures under body forces using lattice elasticity, continualised nonlocal model and Eringen nonlocal model. 2021 , 33, 2453-2480	2
259	Robust Ultraviolet Photodetection by Tailored Polycrystalline In ₂ O ₃ Nanowire Synthesized Using Glancing Angle Deposition. 2021 , 21, 13192-13199	3
258	Simple One-Step Leaf Extract-Assisted Preparation of Fe ₂ O ₃ Nanoparticles, Physicochemical Properties, and Its Sunlight-Driven Photocatalytic Activity on Methylene Blue Dye Degradation. 2021 , 2021, 1-25	3
257	ZnO compact layers used in third-generation photovoltaic devices: a review. 2021 , 56, 15538-15571	4
256	Moringa oleifera Leaf Extract-Mediated Green Synthesis of Nanostructured Alkaline Earth Oxide (MgO) and Its Physicochemical Properties. 2021 , 2021, 1-22	1
255	Synthesis and characterization of metastable phases of SnO and Sn ₃ O ₄ thin films for solar cells applications. 2021 , 1963, 012003	1
254	Stability and energetics of two-dimensional surface crystals in liquid AuSi thin films and nanoscale droplets. 2021 , 5,	1
253	Fe ₃ O ₄ /Bi ₂ O ₃ -catalyzed One-Pot Synthesis of Tetrahydrobenzo[b]pyran Derivatives Under Solvent-Free Conditions. 2021 , 57, 1346-1351	
252	Synthesis, and photoluminescence and magnetic properties of Tb-doped AlN single-crystalline nanobelts. 2021 , 236, 118089	3
251	Ultrananocrystalline diamond-like carbon (UN-DLC) assembled on epitaxial ZnO film by PLD technique and SIMS Raman Rutherford spectroscopic fingerprint investigation. 2021 , 52, 1838	2
250	Mechanically induced electric and magnetic fields in the bending and symmetric-shear deformations of a microstructure-dependent FG-MEE composite beam. 2021 , 278, 114554	2
249	Coating of ZnO Nanoparticle on Cotton Fabric to Create a Functional Textile with Enhanced Mechanical Properties. 2021 , 13,	7
248	Disconnected N-doped zigzag ZnO nanoribbon for potential Negative Differential Resistance (NDR) applications. 2021 , 115, 105204	6
247	Highly efficient photocatalytic degradation of chlorpyrifos in aqueous solutions by nano hydroxyapatite modified CFGO/ZnO nanorod composite. 2021 , 418, 113333	5
246	Growth of Metal Oxide Nanostructures by Thermal Oxidation of Metals Under Influence of External Electric Fields and Electric Current Flow. 2100323	1

245	Spontaneous stepwise formation of polar-facet-dominant ZnO crystals for enhanced catalytic H ₂ O ₂ generation. 2021 , 561, 150061	1
244	Synthesis and characterization of Au:ZnO (core:shell) nanoparticles via laser ablation. 2021 , 244, 167569	12
243	H-titanate nanotube supported Fe ₂ O ₃ nanoparticles for enhancing the thermal decomposition of ammonium perchlorate: The superb catalytic activity of interface sites. 2021 , 563, 150207	1
242	Structural, energy gap tuning, photoluminescence and magnetic properties of Sn-doped Zn _{0.96} Ni _{0.04} O nanostructures. 2021 , 238, 118258	4
241	Influence of composition on morphology of semiconducting oxides microwires. 2021 , 158, 110248	1
240	Microwave hydrothermal synthesis and electrochemical characterization of NiMoO ₄ nanosheets/SnO ₂ nanospheres/rGO nanocomposite as high-performance anode for lithium-ion batteries. 2021 , 133, 108916	0
239	Bioengineered zinc oxide nanoparticles: Chemical, green, biological fabrication methods and its potential biomedical applications. 2021 , 66, 102853	5
238	Intersected nonpolar ZnO nanosail arrays aligned epitaxially on LiGaO ₂ substrate towards enhanced photoelectrochemical responses. 2021 , 2, 1233-1243	1
237	Ferromagnetism induced by (Mn, Fe) co-doped 4HβC. 2021 , 32, 2999-3005	1
236	Synthesis of Zinc Oxide, Titanium Dioxide and Magnesium Dioxide Nanoparticles and Their Prospective in Pharmaceutical and Biotechnological Applications. 2021 , 2, 011-020	0
235	Nanobiosensing Electronics and Nanochemistry for Biosensor Packaging. 2021 , 317-348	
234	Thermo-electro-mechanical buckling of FGP nano shell with considering thickness stretching effect based on size dependent analysis. 1-22	1
233	Bi ₂ O ₂ CO ₃ /TiO ₂ hybrid with 0D/1D nanostructure: design, synthesis and photocatalytic performance. 2021 , 45, 6247-6253	2
232	Self-inhibition effect of metal incorporation in nanoscaled semiconductors. 2021 , 118,	
231	Hf-Containing Precipitates in Al-Si-Mg-Hf Alloy during Heat Treatments at 400°C-560°C. 1167-1172	2
230	An investigation into size-dependent dynamic thermo-electromechanical response of piezoelectric-laminated sandwich smart nanocomposites. 2021 , 45, 7235-7255	5
229	Modeling and Simulation of the Mechanical Response of Nanowires. 2003 , 125-155	0
228	Metal Nanowires Synthesized by Solution-Phase Methods. 2003 , 211-234	1

227	Nanobelts and Nanostructures of Transparent Conducting Oxides. 2003 , 47-71	1
226	Nanowires of Functional Oxides. 2003 , 113-137	7
225	Controlled Growth and Optical Properties of Zinc Oxide Nanostructures. 2003 , 139-156	1
224	Semiconductor Nanomaterials for Gas Sensor Applications. 2020 , 305-355	2
223	Electrodeposition of ZnO Nanostructures: Growth, Doping, and Physical Properties. 2016 , 647-679	3
222	Carbothermal Reduction Synthesis: An Alternative Approach to Obtain Single-Crystalline Metal Oxide Nanostructures. 2017 , 43-67	4
221	NanoMechanics: Elasticity in Nano-Objects. 2007 , 219-254	2
220	Synthesis of Aligned ZnO Nanorods with Different Parameters and Their Effects on Humidity Sensing. 2009 , 257-269	3
219	Introduction of Piezotronics and Piezo-Phototronics. 2012 , 1-17	3
218	Piezo-Phototronic Effect on Solar Cells. 2012 , 153-178	3
217	Tin Oxide Whiskers: Antimony Effect on Structure, Electrophysical, Optical and Sensor Properties. 2011 , 287-303	1
216	Environmental Profile of Nano-finished Textile Materials: Implications on Public Health, Risk Assessment, and Public Perception. 2020 , 57-83	1
215	Annealing effects on the structural and optical properties of gallium oxide nanowires. 2005 , 16, 103-105	15
214	MEMS-based Material Testing Systems. 2006 , 1-10	1
213	Functionalized multi-walled carbon nanotubes embedded with nanoflakes boost the short-circuit current of Ru (II) based dye-sensitized solar cells. 2020 , 181, 108573	5
212	High visible light response Z-scheme Ag ₃ PO ₄ / g-C ₃ N ₄ / ZnO composite photocatalyst for efficient degradation of tetracycline hydrochloride: Preparation, properties and mechanism. 2020 , 840, 155714	44
211	Polar and nonpolar self-assembled Co-doped ZnO thin films: Structural and magnetic study. 2017 , 636, 200-206	8
210	High-performance lithium battery anodes using silicon nanowires.	1

209	Chapter 1:Characterization of Nanomaterials Using Transmission Electron Microscopy. 2015 , 1-29	12
208	Nanowires and Nanobelts. 2008 , 3146-3158	1
207	Growth of Ga_2O_3 Nanorods and Photoluminescence Properties. 2007 , 112, 1195-1201	9
206	A theoretical study on spin coating technique. 2013 , 2, 195-208	89
205	Ultraviolet nanolaser of inverted hexagonal ZnO pyramid resonating in helical whispering-gallery-like mode. 2019 , 27, 34454-34462	2
204	Silver nanowires with different concentration for Q-switched fiber lasers. 2020 , 10, 187	10
203	Simple fabrication of gold nanobelts and patterns. 2012 , 7, e30469	7
202	Scanning Probe Microscopy of ZnO Nanobelts. 2009 , 7, 323-326	1
201	Green synthesis of metal and metal oxide nanoparticles from plant leaf extracts and their applications: A review. 2020 , 9, 304-339	119
200	Catalytic Growth of Semiconducting ZnO Nanowires by Reactive Evaporation Process. 2003 , 776, 7101	1
199	Breath Analysis for Medical Diagnosis. 2012 , 5, 401-440	25
198	New Emerging One Dimensional Nanostructure Materials for Gas Sensing Application: A Mini Review. 2019 , 15, 131-135	2
197	Synthesis and characterization of Zn/ZnO microspheres on indented sites of silicon substrate. 2018 , 36, 501-508	4
196	Laser applications in nanotechnology: nanofabrication using laser ablation and laser nanolithography. 2013 , 183, 673-718	12
195	Review on the Properties of Boron-Doped Diamond and One-Dimensional-Metal-Oxide Based P-N Heterojunction Optoelectronic. 2020 , 26,	5
194	Formation and Photoluminescence of Zinc Sulfide Nanorods. 2008 , 8, 2306-2311	7
193	The role of impurities in the shape, structure and physical properties of semiconducting oxide nanostructures grown by thermal evaporation. 2016 , 3, 425-433	2
192	Control of the spontaneous formation of oxide overlayers on GaP nanowires grown by physical vapor deposition. 2018 , 5, 105-115	2

191	Electrospun Calcium Metaphosphate Nanofibers: I. Fabrication. 2007 , 44, 144-147	3
190	Recent Progress in Synthesis of Plate-like ZnO and its Applications: A Review. 2017 , 54, 167-183	20
189	Synthesis, Structural and Photophysical Properties of $Gd_{2}O_{3}Eu_{3+}$ Nanostructures Prepared by a Microwave Sintering Process. 2014 , 04, 374-388	17
188	Design and Analysis of MEMS Based Aluminum Nitride (AlN), Lithium Niobate ($LiNbO_{3}$) and Zinc Oxide (ZnO) Cantilever with Different Substrate Materials for Piezoelectric Vibration Energy Harvesters Using COMSOL Multiphysics Software. 2019 , 09, 181-197	1
187	Photoluminescence and Structural Properties of ZnO Nanorods Growth by Assisted-Hydrothermal Method. 2013 , 03, 152-157	16
186	ZnO Planar-Tetrapod Synthesized by Cethyltrimethylamonium Hydroxide-Assisted Hydrothermal Method at Low Temperature. 2015 , 05, 339-345	1
185	Fabrication, Optoelectronic and Photocatalytic Properties of Some Composite Oxide Nanostructures. 2010 , 11, 1-10	17
184	Synthesis and Optical Properties of the Semiconductor Lead Sulfide Nanobelts. 2006 , 27, 377-380	5
183	Nanocrystals and Their Biomedical Applications. 2006 , 27, 961-971	17
182	Single Nanoparticle Photoluminescence Studies of Visible Light-Sensitive TiO_{2} and ZnO Nanostructures. 2013 , 2, 9-17	1
181	Preparation and characteristics of ZnO nanoflowers. 2015 , 64, 207802	3
180	A Novel Fabrication of p-n Diode Based on ZnO Nanowire/p-NiO Heterojunction. 2011 , 50, 01AJ05	4
179	Various Shapes of ZnO and CdO Nanostructures Grown by Atmospheric-Pressure Chemical Vapor Deposition. 2011 , 50, 01BJ15	2
178	Titanate Nanostructures as Potential Adsorbents for Defluoridation of Water. 2021 , 383-400	0
177	Experimental investigation of performance tailoring of the multifunctional sensor using transition metal (Fe) doped ZnO nanorods synthesized via a facile solution-based method. 2021 , 33,	1
176	Multiple Regulation Effects of Ammonium Acetate on ZnO Growth Process in Chemical Bath Deposition. 2021 ,	
175	Interface Engineering in 1D ZnO-Based Heterostructures for Photoelectrical Devices. 2106887	5
174	Repeatable mechanical energy absorption of ZnO nanopillars. 2021 , 29, 102904	

173 Oxide Nanowires and Nanolasers. **2003**, 21-44

172 Nanomechanics and Mechanical Behavior of Nanobelts. **2003**, 73-81

171 Semiconducting Oxide and Nitride Nanowires. **2003**, 393-411

170 Synthesis and Electronic Transport Studies of Single-Crystalline In₂O₃ Nanowires. **2003**, 775, 1011

169 Nanodiffraction of Carbon Nanotubes. **2003**, 73-93

168 Wide Band-Gap Semiconductor Nanowires Synthesized by Vapor Phase Growth. **2003**, 343-391

167 Generalized Solution Synthesis of Large Arrays of Extended and Oriented Nanowires. **2003**, 239-255

166 Carbon Nanostructures Under the Electron Beam: Formation of New Structures and In-Situ Study of Radiation-Induced Processes. **2003**, 137-162

165 Template Assisted Synthesis of Semiconductor Nanowires. **2003**, 317-341

164 Etching Characteristics of Au Thin Films using Inductively Coupled CF₄/ Cl₂/ Ar Plasma. **2003**, 4, 1-4

163 Al₂O₃Nano-Coating by Atomic Layer Deposition. **2003**, 4, 15-18

2

162 A Study of the Photoluminescence of ZnO Thin Films Deposited by Radical Beam Assisted Molecular Beam Epitaxy. **2003**, 13, 347-351

161 Synthesization of ZnO nanomaterials. **2003**, 4, 1-5

160 Growth of ZnO Nanorod Using VS Method. **2003**, 13, 668-672

1

159 Nanofitas de ãido de estanho: controle do estado de oxidaã pela atmosfera de sãntese. **2004**, 50, 58-61

158 Structural and Optoelectronic Properties of SnO₂Nanowires. **2004**, 5, 93-97

1

157 Study on the Properties of Catalase Activity Using Cuprite Nano-Particles Synthesized by Hydrolysis Method. **2005**, 12, 51-55

156 Fabrication of 2-Dimensional ZnO Nanowall Structure. **2005**, 42, 521-524

2

- 155 Nanobelts and Nanowires of Functional Oxides. **2005**,
- 154 Nanochemistry - Pages 215-246. **2006**, 215-246
- 153 Introduction. **2009**, 1-9
- 152 Nanosensors: Controlling Transduction Mechanisms at the Nanoscale Using Metal Oxides and Semiconductors. **2009**, 1-51
- 151 Semiconductor Nanowires. **2008**, 3941-3953
- 150 Growth of ZnO Nanowires Using ZnS Substrates with Ga Droplets. **2009**, 7, 25-28 1
- 149 Fabrication and Growth Mechanism of Zn_{1-x}Cd_xO Nanotubes by Thermal Evaporation Method. **2009**, 24, 998-1002
- 148 Nanotubes. **2010**, 143-169 5
- 147 A Look to the Future. **2010**, 383-390
- 146 The Redox Properties of SnO₂ Nanorods. **2010**, 31, 44-48 1
- 145 SnO₂Semiconducting Nanowires Network and Its NO₂Gas Sensor Application. **2010**, 20, 223-227 6
- 144 Self Catalyst Germanium Dioxide Comets-Like Nanowires by Thermal Evaporation. **2010**, 10, 1001-1005 1
- 143 Fundamentals and Functionality of Inorganic Wires, Rods and Tubes.
- 142 Preparation and Formation Mechanism of Al₂O₃ Nanowires by Electrochemical Oxidation Process. **2010**, 25, 851-856
- 141 Comprehensive Survey for the Frontier Disciplines. **2011**, 60, 107307 4
- 140 Electronic structure and magnetism of Cr-doped ZnO nanowires. **2011**, 60, 127503 1
- 139 Synthesis and Cathodoluminescence of Tetrapod and Multipod-shaped ZnO Nanostructures by Oxidation of Zn in Air Atmosphere. **2011**, 24, 256-260
- 138 Synthesis of Ultrafine Single Crystals and Nanostructured Coatings of Indium Oxide from Solution Precursor. 51-58 1

137 Controlled Synthesis of Hollow Hemispheric ZnO Shells/Cages on Graphite Fiber. **2011**, 2011, 1-5

136 Synthesis, characterization and growth mechanism of ZnO microprisms over Ce(NO₃)₃-coated Si substrates. **2011**, 55, 10801

135 AlN. **2011**, 21-68

134 Growth Characteristics of Amorphous Silicon Oxide Nanowires Synthesized via Annealing of Ni/SiO₂/Si Substrates. **2011**, 32, 4371-4376

133 A Study of Etching Characteristics of the ZnO Thin Film Using a SF₆/Ar Inductively Coupled Plasma. **2011**, 24, 935-938

132 Preparation of Zinc Oxide by Hydrothermal Precipitation and Degradation of Tartrazine. **2011**, 49, 752-757 4

131 Hf-Containing Precipitates in Al-Si-Mg-Hf Alloy during Heat Treatments at 400°C-560°C. **2012**, 1167-1172

130 Ultraviolet light-enhanced field electron emission of zinc oxide nanowires. **2012**, 61, 128503

129 Piezo-Phototronic Effect on Light-Emitting Diode. **2012**, 195-222

128 Piezo-Phototronic Effect on Photodetector. **2012**, 179-193

127 Synthesis and Characterization of One-Dimensional Functional Metal Oxide and Metallic Silicide Nanostructures. **2012**, 767-839

126 II/VI Semiconductor Nanostructures. **2012**, 167-235

125 Synthesis and Characterization of Cu Nanowires Using Anodic Alumina Template Based Electrochemical Deposition Method. **2012**, 19, 367-372

124 One-Dimensional Inorganic Semiconductor Nanostructures. **2012**, 37-70

123 Measurement/Manipulation/Assembly of Carbon Nanotubes under FE-SEM/TEM. **2013**, 197-242

122 Progress of the Study of Self-Assembly 1D Nano-Functional Materials. **2013**, 02, 51-67

121 Super-Resolution Laser Direct Writing and Its Applications. **2014**, 5-41

120 Nanoscale Spectroscopy with Applications to Chemistry. **2013**, 131-178

119 Design Challenges and Considerations for Nanomedical Electronic Entities and Infrastructure. **2013**, 207-258

118 Novel Process of Submicron-Scale Ceramic Rod Array Formation on Metallic Substrate. 331-336

117 Optical and Electrical Properties of ZnO Hybrid Structure Grown on Glass Substrate by Metal Organic Chemical Vapor Deposition. **2014**, 24, 543-549

116 Bamboo-like Te Nanotubes with Tailored Dimensions Synthesized from Segmental NiFe Nanowires as Sacrificial Templates. **2014**, 35, 3227-3231 1

115 Electrodeposition of ZnO Nanostructures: Growth, Doping, and Physical Properties. **2015**, 1-28

114 Research Progress on ZnO Nanostructures by CVD. **2015**, 03, 24-44

113 Group IV Semiconductors. **2015**, 253-346

112 Modeling of Nanostructures. **2015**, 1-55 1

111 History and latest development of ferroelectric-semiconductor coupled photovoltaic devices. **2015**, 64, 038807 3

110 A Look at the Future. **2016**, 479-490

109 Development of low temperature technology for the growth of wide band gap semiconductor nanowires. **2016**, 3, 470-485

108 Chapter 6 Metallization. **2016**, 61-78

107 Variation of Structural and Optical Properties of ZnO Nanorods with Growing Time. **2016**, 29, 841-846

106 Facile synthesis and characterisation of uniform and monodispersed In(OH)₃ and In₂O₃ microcubes. **2017**, 12, 701-704

105 Theoretical modeling of a 2D nano-energy harvester. **2018**,

104 AC Conductivity Study of CdSe Nanorods. **2018**, 2,

103 The growth of ZnO nanostructure arrays for SPR sensor sensitivity enhancement. **2019**,

102 Low-Dimensional Semiconductor Structures. **2019**, 251-271

101	Interfacing Biology Systems with Nanoelectronics for Nanodevices. 2019 , 701-759	1
100	On the consistency of two-phase local/nonlocal piezoelectric integral model. 2021 , 42, 1581-1598	2
99	Cytotoxicity of zinc oxide nanoparticles to innate and adaptive human immune cells. 2021 , 41, 1425-1437	1
98	CHAPTER 7: Metal Oxide Nanowires. 2021 , 421-468	
97	Nanodiamond driven structure evolution of ZnO nanorods. 2022 , 573, 151503	0
96	Vapor Solid Growth Mechanism. 2020 , 121-138	0
95	Measurements & Detection Techniques in Nanotechnology in Road Applications. 2020 , 10, 37-50	
94	Effect of pH Variations on Zinc Oxide (ZnO) Nanowire Dispersions. 2020 , 949-955	
93	Nanomaterial Synthesis and Mechanism for Enzyme Immobilization: Part II. 2020 , 191-212	
92	Preparation and Photocatalytic Properties of ZnO Nanorod Arrays/3D Graphene. 2020 , 10, 139-146	
91	Microstructure Evolution and Mechanism during Nitridation of Carbon-Containing Internal Gelation-Derived Zirconia. 2021 , 29, 102968	
90	Thermomechanical Behavior of Zinc Oxide Nanobelts. 2006 , 665-666	
89	Synthesis of Oxide Nanostructures. 2008 , 11-36	
88	Synthesis and Properties of Quasi-One-Dimensional Nitride Nanostructures. 2008 , 149-177	
87	Electrons in a Periodic Crystal. 2007 , 163-242	
86	Ceramic nanostructures of SnO ₂ , TiO ₂ , and ZnO via aqueous crystal growth: cold crystallization and morphology control. 2020 , 128, 718-737	2
85	Size Dependent Photocatalytic Activity of ZnO Nanosheets for Degradation of Methyl Red. 2020 , 7,	1
84	Optimization of Focused Ion Beam Patterning Parameters for Direct Integration of Plasmonic Nanostructures on Silicon Photodiodes. 2021 , 10, 2	0

- 83 Preparation of Mesoporous Inorganic Nanowires, Nanorods, Nanofibers and Nanobelts. **2022**, 21-54
- 82 Synthesis of Semiconductor Nanowires. **2022**, 9-26
- 81 Recent progress on visible-light-driven metal and non-metal doped ZnO nanostructures for photocatalytic degradation of organic pollutants. **2022**, 140, 106390 14
- 80 Benign by design: porous spherical ZnO-alginate family via a dual-template synthesis. **2022**, 580, 152231 0
- 79 Enhancement of Stress Tolerance of Crop Plants by ZnO Nanoparticles. **2021**, 287-325
- 78 Biomedical application of ZnO nanoscale materials. **2022**, 407-435
- 77 Direct surface functionalization with metal and metal oxide nanostructures. **2022**,
- 76 Glass nanopipette sensing of single entities. **2022**, 909, 116106 3
- 75 Synthesis and low temperature methane sensing performance of Pd modified In₂O₃ microspheres. **2022**, 279, 125749 0
- 74 Advances in ZnO: Manipulation of defects for enhancing their technological potentials. **2022**, 11, 575-619 7
- 73 Quantitative evaluation of energy harvesting capabilities on flexoelectric and piezoelectric materials. **2022**, 131, 064101 1
- 72 Piezoelectric and optoelectronic properties of Hn₂Se₃ single-crystal nanobelts synthesized by a direct selenization of In₂O₃. **2022**, 57, 5072 0
- 71 Elastic Buckling and Free Vibration of Functionally Graded Piezoelectric Nanobeams Using Nonlocal Integral Models. 1
- 70 Strategies to Enhance ZnO Photocatalyst's Performance for Water Treatment: A Comprehensive Review.. **2022**, e202100299 3
- 69 Size dependent effects of two phase viscoelastic medium on damping vibrations of smart nanobeams: An efficient implementation of GDQM. 1
- 68 Development of Space Qualified High Solar Absorptance Nanostructured Black CuO Coating for Spaceborne Plasma Instruments. 1 0
- 67 Applications of nanogenerators for biomedical engineering and healthcare systems. **2022**, 4, 13
- 66 ZnO nanostructured materials and their potential applications: progress, challenges and perspectives. 11

65	Highly sensitive, scalable, and rapid SARS-CoV-2 biosensor based on InO nanoribbon transistors and phosphatase.. 2022 , 1-7	1
64	Morphology and Corrosion Behavior of ZnO Passive films for Galvanized Steel Applications: Effects of Anodizing Parameters.	
63	CircuitBot: Learning to survive with robotic circuit drawing.. 2022 , 17, e0265340	0
62	Fabrication of antimicrobial electrospun mats using polyvinyl alcohol/zinc oxide blends. 1	0
61	Smooth and mechanically robust random metallic mesh electrode modified by thermally transferred PEDOT: PSS for ITO-Free flexible organic light-emitting diodes. 2022 , 106498	2
60	Facile green synthesis of ZnO/TiO ₂ nanocomposites using areca catechu leaves and their in vitro antidiabetic and cytotoxicity studies. 2021 , 12, 045018	
59	Hydrothermal Synthesis of SmPO ₄ Whiskers: Effect of Particle Morphology on the Spectral and Thermodynamic Characteristics. 2021 , 66, 1785-1791	0
58	Advances in organic micro/nanocrystals with tunable physicochemical properties. 2022 , 65, 593-611	0
57	Black Anodic ZnO Film on Galvanized Steel Using Mixed Electrolyte of Ca(OH) ₂ /KOH/NaOH. 2021 , 15, S104-S111	0
56	Facile and scaleable transformation of Cu nanoparticles into high aspect ratio Cu oxide nanowires in methanol.. 2022 , 12, 11526-11533	
55	Electronic structure of p-type transparent conducting oxide CuAlO ₂ . 2022 , 39, 107-107	
54	Metal Oxide Chemiresistors: A Structural and Functional Comparison between Nanowires and Nanoparticles.. 2022 , 22,	0
53	Inhibition of Staphylococcus aureus Hemolysin Production Using Nanocurcumin Capped Au@ZnO Nanocomposite. 2022 , 2022, 1-18	5
52	Abrupt change from moderate positive to colossal negative thermal expansion caused by imidazolate composite formation.	0
51	Advances in polymeric nanocomposites for automotive applications: A review.	1
50	Charge transport mechanisms in free-standing devices with electrospun electrodes.	2
49	Al ₂ O ₃ /ZnO Heterostructure-Based Sensors for Volatile Organic Compounds in Safety Applications.	1
48	Photocatalysis vs adsorption by metal oxide nanoparticles. 2022 , 131, 122-166	4

47	Low-Dimensional Semiconductor Material-Based Optoelectronic Devices and Their Applications. 1-38	
46	Fabrication, characterization and antibacterial properties of ZnO nanoparticles decorated electrospun polyacrylonitrile nanofibers membranes. 2022 , 103958	0
45	Controllable growth of single-crystalline zinc oxide nanosheets under ambient condition toward ammonia sensing with ultrahigh selectivity and sensitivity.	2
44	Transformation of ZnS microspheres to ZnO, their computational (DFT) validation and dye-sensitized solar cells application. 2022 , 12, 075001	1
43	A Novel Design and Fabrication of Self-heated In ₂ O ₃ Nanowire Gas Sensor on Glass for Ethanol Detection. 2022 , 113769	3
42	Synthesis of Gold, Titania, and Zinc Oxide. 2007 , 85-108	
41	Zinc oxide nanoparticles with binder and emulsifier for multifunctional cotton fabric and improvement of mechanical performances. 2022 , 113, 1988-1998	1
40	Bending and buckling analysis of functionally graded Timoshenko nanobeam using Two-Phase Local/Nonlocal piezoelectric integral model. 2022 , 300, 116129	0
39	Foliar Application of Metallic Nanoparticles on Crops Under Field Conditions. 2022 , 171-215	0
38	Metal oxide nanomaterials for organic photovoltaic applications. 2022 , 239-261	0
37	Effect of pH variations on structural and morphological properties of ZnO nanocrystals. 2022 , 137,	0
36	Investigation of optical properties of zinc oxide nanocrystalline materials. 2022 ,	0
35	Germanium Diselenide Ribbons with Orthorhombic Crystal Structure.	0
34	ZnO Single-Nanowire Schottky Barrier Resistive Switching Memory Assembly with Dielectrophoresis.	0
33	Effect of annealing temperature on response time of ZnO photoconductor fabricated using thermal evaporation technique. 2022 , 97, 115806	0
32	Recent progress in the synthesis of metal-organic-framework-derived carbon materials.	0
31	Fast response photodetector analysis based on NiO nanowire using a catalyst-free technique. 2022 , 128,	0
30	Strain related new sciences and devices in low-dimensional binary oxides. 2022 , 104, 107917	1

- 29 First-principles study on SrSnO_3 as a transparent conductive oxide. **2023**, 0 ○
- 28 Investigation of the parameters affecting the morphology of zinc oxide (ZnO) nanoparticles synthesized by precipitation method. **2022**, 26, 101239 ○
- 27 Morphology evolution and cathodoluminescence properties of non-polar aluminum nitride microwires. **2023**, 937, 168407 ○
- 26 Peculiar Size Effects in Nanoscaled Systems. **2022**, ○
- 25 Quantitative measurement of local conductivity of SnO_2 nanobelt field effect transistor utilizing microwave atomic force microscopy. **2023**, 16, 016501 ○
- 24 Research Trends of Piezoelectric Nanomaterials in Biomedical Engineering. 2200088 ○
- 23 Inorganic Finishing for Textile Fabrics: Recent Advances in Wear-Resistant, UV Protection and Antimicrobial Treatments. **2023**, 11, 19 2
- 22 Tetragonal SnO_2 Nanoparticles: An Efficient Photocatalyst for the Degradation of Hazardous Ionic Dyes. **2023**, 8, ○
- 21 Rearranging the Environment to Maximize Energy with a Robotic Circuit Drawing. **2022**, ○
- 20 Green synthesized nanomaterials for bioimaging. **2023**, 265-286 ○
- 19 Nonconventional applications of nebulizers: Nanomaterials synthesis. **2023**, 217-245 ○
- 18 Suitability of ZnO Nanocomposite of Copolymer (PPy-PNVK-ZnO) (PPy = Polypyrrole; PNVK = Poly 9-vinyl carbazole) for the Detection of 6-Thioguanine: A DFT Analysis. **2023**, 35, 422-430 ○
- 17 The Electromagnetic Properties of ZnO Quantum Dot with Different Mn-Doping Sites. ○
- 16 In-Situ Gas Transmission Electron Microscopy. **2023**, 251-325 ○
- 15 Synthesis and application of CdSe functional material. **2023**, 393-423 ○
- 14 Resilient and Antipuncturing Si_3N_4 Nanofiber Sponge. ○
- 13 Anisotropic Heavy-Metal-Free Semiconductor Nanocrystals: Synthesis, Properties, and Applications. **2023**, 123, 3625-3692 ○
- 12 A facile route to metal-oxide nanocrystals by direct pyrolysis of metal-organic frameworks. **2023**, 341, 134221 ○

- 11 UV-durable superhydrophobic ZnO/SiO₂ nanorod arrays on an aluminum substrate using catalyst-free chemical vapor deposition and their corrosion performance. **2023**, 623, 157085 ○
- 10 Ultra-wide single crystal nanobelts of BiGa₂O₃ synthesized by carbothermal reduction. **2023**, 129, ○
- 9 Stress-driven growth of ZnO nanowires through thermal oxidation of Zinc thin films over silicon substrate. **2023**, 34, ○
- 8 Effect of Zinc nitrate concentration on the morphology of ZnO nanostructures grown by hydrothermal method. ○
- 7 New Class of Sensors: Smart Materials Finds Their Way. **2023**, 83-94 ○
- 6 Effects of Zinc Nitrate and HMTA on the Formation Mechanisms of ZnO Nanowires on Au Seed Layers. **2023**, 23, 2941-2950 ○
- 5 Some Aspects of Novel Materials from Optical to THz Engineering. **2023**, 59-80 ○
- 4 Nanotechnology and Medicine: The Interphase. **2023**, 1-31 ○
- 3 Triboelectric nanogenerators: the beginning of blue dream. 2
- 2 Morphology-Controlled Vapor-Phase Nanowire Growth with Ruddlesden-Popper Lead Bromide Perovskite. ○
- 1 Luminescence properties of Ln³⁺ doped BaMoO₄ (Ln³⁺ = Sm³⁺ and Dy³⁺) phosphors under UV excitation. **2023**, 297, 122695 ○