

Dmitri Golberg

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

748 papers	52,861 citations	121 h-index	197 g-index
804 ext. papers	57,653 ext. citations	9.9 avg, IF	7.69 L-index

#	Paper	IF	Citations
748	Boron nitride nanotubes and nanosheets. <i>ACS Nano</i> , 2010 , 4, 2979-93	16.7	1699
747	Large-Scale Fabrication of Boron Nitride Nanosheets and Their Utilization in Polymeric Composites with Improved Thermal and Mechanical Properties. <i>Advanced Materials</i> , 2009 , 21, 2889-2893	24	1282
746	ZnS nanostructures: From synthesis to applications. <i>Progress in Materials Science</i> , 2011 , 56, 175-287	42.2	957
745	Boron Nitride Nanotubes. <i>Advanced Materials</i> , 2007 , 19, 2413-2432	24	766
744	Functionalized hexagonal boron nitride nanomaterials: emerging properties and applications. <i>Chemical Society Reviews</i> , 2016 , 45, 3989-4012	58.5	657
743	"White graphenes": boron nitride nanoribbons via boron nitride nanotube unwrapping. <i>Nano Letters</i> , 2010 , 10, 5049-55	11.5	643
742	Inorganic semiconductor nanostructures and their field-emission applications. <i>Journal of Materials Chemistry</i> , 2008 , 18, 509-522		538
741	Three-dimensional strutted graphene grown by substrate-free sugar blowing for high-power-density supercapacitors. <i>Nature Communications</i> , 2013 , 4, 2905	17.4	514
740	Nano boron nitride flatland. <i>Chemical Society Reviews</i> , 2014 , 43, 934-59	58.5	499
739	N-Doped Graphene-SnO ₂ Sandwich Paper for High-Performance Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2012 , 22, 2682-2690	15.6	479
738	Single-Crystalline ZnS Nanobelts as Ultraviolet-Light Sensors. <i>Advanced Materials</i> , 2009 , 21, 2034-2039	24	479
737	Preparation and Characterization of Well-Ordered Hexagonal Mesoporous Carbon Nitride. <i>Advanced Materials</i> , 2005 , 17, 1648-1652	24	474
736	Towards ultrahigh volumetric capacitance: graphene derived highly dense but porous carbons for supercapacitors. <i>Scientific Reports</i> , 2013 , 3, 2975	4.9	467
735	A comprehensive review of one-dimensional metal-oxide nanostructure photodetectors. <i>Sensors</i> , 2009 , 9, 6504-29	3.8	421
734	Polyhedral Oligosilsesquioxane-Modified Boron Nitride Nanotube Based Epoxy Nanocomposites: An Ideal Dielectric Material with High Thermal Conductivity. <i>Advanced Functional Materials</i> , 2013 , 23, 1824-1831	15.6	420
733	Towards Thermoconductive, Electrically Insulating Polymeric Composites with Boron Nitride Nanotubes as Fillers. <i>Advanced Functional Materials</i> , 2009 , 19, 1857-1862	15.6	394
732	Ultrathin SnSe ₂ Flakes Grown by Chemical Vapor Deposition for High-Performance Photodetectors. <i>Advanced Materials</i> , 2015 , 27, 8035-41	24	369

731	Boron nitride nanotubes. <i>Materials Science and Engineering Reports</i> , 2010 , 70, 92-111	30.9	345
730	Octahedral boron nitride fullerenes formed by electron beam irradiation. <i>Applied Physics Letters</i> , 1998 , 73, 2441-2443	3.4	322
729	One-dimensional inorganic nanostructures: synthesis, field-emission and photodetection. <i>Chemical Society Reviews</i> , 2011 , 40, 2986-3004	58.5	321
728	Nanotubes in boron nitride laser heated at high pressure. <i>Applied Physics Letters</i> , 1996 , 69, 2045-2047	3.4	316
727	Centimeter-long V2O5 nanowires: from synthesis to field-emission, electrochemical, electrical transport, and photoconductive properties. <i>Advanced Materials</i> , 2010 , 22, 2547-52	24	312
726	Single-crystalline CdS nanobelts for excellent field-emitters and ultrahigh quantum-efficiency photodetectors. <i>Advanced Materials</i> , 2010 , 22, 3161-5	24	311
725	Highly water-soluble, porous, and biocompatible boron nitrides for anticancer drug delivery. <i>ACS Nano</i> , 2014 , 8, 6123-30	16.7	307
724	Single-walled B-doped carbon, B/N-doped carbon and BN nanotubes synthesized from single-walled carbon nanotubes through a substitution reaction. <i>Chemical Physics Letters</i> , 1999 , 308, 337-342	2.5	303
723	Low-dimensional boron nitride nanomaterials. <i>Materials Today</i> , 2012 , 15, 256-265	21.8	297
722	Halide-assisted atmospheric pressure growth of large WSe2 and WS2 monolayer crystals. <i>Applied Materials Today</i> , 2015 , 1, 60-66	6.6	294
721	Laser-Ablation Growth and Optical Properties of Wide and Long Single-Crystal SnO2 Ribbons. <i>Advanced Functional Materials</i> , 2003 , 13, 493-496	15.6	288
720	Amorphous Phosphorus/Nitrogen-Doped Graphene Paper for Ultrastable Sodium-Ion Batteries. <i>Nano Letters</i> , 2016 , 16, 2054-60	11.5	286
719	Thickness-dependent photocatalytic performance of ZnO nanoplatelets. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 15146-51	3.4	286
718	Recent Developments in One-Dimensional Inorganic Nanostructures for Photodetectors. <i>Advanced Functional Materials</i> , 2010 , 20, 4233-4248	15.6	277
717	One-dimensional CdS nanostructures: synthesis, properties, and applications. <i>Nanoscale</i> , 2010 , 2, 168-877.7		276
716	ZnO and ZnS Nanostructures: Ultraviolet-Light Emitters, Lasers, and Sensors. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2009 , 34, 190-223	10.1	274
715	Engineering sulfur vacancies and impurities in NiCo2S4 nanostructures toward optimal supercapacitive performance. <i>Nano Energy</i> , 2016 , 26, 313-323	17.1	273
714	Atomistic origins of high rate capability and capacity of N-doped graphene for lithium storage. <i>Nano Letters</i> , 2014 , 14, 1164-71	11.5	271

713	Synthesis and characterization of ropes made of BN multiwalled nanotubes. <i>Scripta Materialia</i> , 2001 , 44, 1561-1565	5.6	268
712	Catalyzed collapse and enhanced hydrogen storage of BN nanotubes. <i>Journal of the American Chemical Society</i> , 2002 , 124, 14550-1	16.4	259
711	New Ultraviolet Photodetector Based on Individual Nb ₂ O ₅ Nanobelts. <i>Advanced Functional Materials</i> , 2011 , 21, 3907-3915	15.6	257
710	Fabrication of high-quality In ₂ Se ₃ nanowire arrays toward high-performance visible-light photodetectors. <i>ACS Nano</i> , 2010 , 4, 1596-602	16.7	253
709	Cable-type supercapacitors of three-dimensional cotton thread based multi-grade nanostructures for wearable energy storage. <i>Advanced Materials</i> , 2013 , 25, 4925-31	24	247
708	Low-cost fully transparent ultraviolet photodetectors based on electrospun ZnO-SnO ₂ heterojunction nanofibers. <i>Advanced Materials</i> , 2013 , 25, 4625-30	24	243
707	ZnO nanoneedles with tip surface perturbations: Excellent field emitters. <i>Applied Physics Letters</i> , 2004 , 84, 3603-3605	3.4	243
706	Quasi-Aligned Single-Crystalline W ₁₈ O ₄₉ Nanotubes and Nanowires. <i>Advanced Materials</i> , 2003 , 15, 1294-1296	24	243
705	Effective precursor for high yield synthesis of pure BN nanotubes. <i>Solid State Communications</i> , 2005 , 135, 67-70	1.6	243
704	Boron nitride porous microbelts for hydrogen storage. <i>ACS Nano</i> , 2013 , 7, 1558-65	16.7	234
703	Boron nitride nanosheet coatings with controllable water repellency. <i>ACS Nano</i> , 2011 , 5, 6507-15	16.7	234
702	Characterization and Field-Emission Properties of Vertically Aligned ZnO Nanonails and Nanopencils Fabricated by a Modified Thermal-Evaporation Process. <i>Advanced Functional Materials</i> , 2006 , 16, 410-416	15.6	231
701	Ru/ITO: a carbon-free cathode for nonaqueous Li-O ₂ battery. <i>Nano Letters</i> , 2013 , 13, 4702-7	11.5	230
700	Flexible ultraviolet photodetectors with broad photoresponse based on branched ZnS-ZnO heterostructure nanofilms. <i>Advanced Materials</i> , 2014 , 26, 3088-93	24	229
699	Electron-beam-induced substitutional carbon doping of boron nitride nanosheets, nanoribbons, and nanotubes. <i>ACS Nano</i> , 2011 , 5, 2916-22	16.7	223
698	Perfectly dissolved boron nitride nanotubes due to polymer wrapping. <i>Journal of the American Chemical Society</i> , 2005 , 127, 15996-7	16.4	223
697	Ultrafine ZnS Nanobelts as Field Emitters. <i>Advanced Materials</i> , 2007 , 19, 2593-2596	24	218
696	Ultrahigh-performance solar-blind photodetectors based on individual single-crystalline In ₂ O ₃ nanobelts. <i>Advanced Materials</i> , 2010 , 22, 5145-9	24	217

695	ZnO hollow spheres with double-yolk egg structure for high-performance photocatalysts and photodetectors. <i>Advanced Materials</i> , 2012 , 24, 3421-5	24	211
694	Template Deformation-Tailored ZnO Nanorod/Nanowire Arrays: Full Growth Control and Optimization of Field-Emission. <i>Advanced Functional Materials</i> , 2009 , 19, 3165-3172	15.6	211
693	An Efficient Way to Assemble ZnS Nanobelts as Ultraviolet-Light Sensors with Enhanced Photocurrent and Stability. <i>Advanced Functional Materials</i> , 2010 , 20, 500-508	15.6	206
692	Single-crystalline rutile TiO ₂ hollow spheres: room-temperature synthesis, tailored visible-light-extinction, and effective scattering layer for quantum dot-sensitized solar cells. <i>Journal of the American Chemical Society</i> , 2011 , 133, 19102-9	16.4	205
691	Real-time in situ HRTEM-resolved resistance switching of Ag ₂ S nanoscale ionic conductor. <i>ACS Nano</i> , 2010 , 4, 2515-22	16.7	204
690	Fluorination and electrical conductivity of BN nanotubes. <i>Journal of the American Chemical Society</i> , 2005 , 127, 6552-3	16.4	202
689	Single-Crystalline In ₂ O ₃ Nanotubes Filled with In. <i>Advanced Materials</i> , 2003 , 15, 581-585	24	202
688	Field emission from MoO ₃ nanobelts. <i>Applied Physics Letters</i> , 2002 , 81, 5048-5050	3.4	201
687	Recent Progress on Fabrications and Applications of Boron Nitride Nanomaterials: A Review. <i>Journal of Materials Science and Technology</i> , 2015 , 31, 589-598	9.1	199
686	High-Performance Blue/Ultraviolet-Light-Sensitive ZnSe-Nanobelt Photodetectors. <i>Advanced Materials</i> , 2009 , 21, 5016-5021	24	199
685	Boron nitride nanotubes: functionalization and composites. <i>Journal of Materials Chemistry</i> , 2008 , 18, 3900		199
684	Large-scale synthesis and HRTEM analysis of single-walled B- and N-doped carbon nanotube bundles. <i>Carbon</i> , 2000 , 38, 2017-2027	10.4	198
683	One-dimensional CdS nanostructures: a promising candidate for optoelectronics. <i>Advanced Materials</i> , 2013 , 25, 3017-37	24	190
682	Caging tin oxide in three-dimensional graphene networks for superior volumetric lithium storage. <i>Nature Communications</i> , 2018 , 9, 402	17.4	186
681	"Chemical blowing" of thin-walled bubbles: high-throughput fabrication of large-area, few-layered BN and C(x)-BN nanosheets. <i>Advanced Materials</i> , 2011 , 23, 4072-6	24	184
680	Cerium Oxide Nanotubes Prepared from Cerium Hydroxide Nanotubes. <i>Advanced Materials</i> , 2005 , 17, 3005-3009	24	182
679	Morphology-dependent stimulated emission and field emission of ordered CdS nanostructure arrays. <i>ACS Nano</i> , 2009 , 3, 949-59	16.7	178
678	Synthesis, structure, and multiply enhanced field-emission properties of branched ZnS nanotube-in nanowire core-shell heterostructures. <i>ACS Nano</i> , 2008 , 2, 1015-21	16.7	173

677	Structure and cathodoluminescence of individual ZnS/ZnO biaxial nanobelt heterostructures. <i>Nano Letters</i> , 2008 , 8, 2794-9	11.5	173
676	Deep-ultraviolet solar-blind photoconductivity of individual gallium oxide nanobelts. <i>Nanoscale</i> , 2011 , 3, 1120-6	7.7	172
675	Pure and doped boron nitride nanotubes. <i>Materials Today</i> , 2007 , 10, 30-38	21.8	171
674	Immobilization of proteins on boron nitride nanotubes. <i>Journal of the American Chemical Society</i> , 2005 , 127, 17144-5	16.4	171
673	Recent progress of one-dimensional ZnO nanostructured solar cells. <i>Nano Energy</i> , 2012 , 1, 91-106	17.1	167
672	Direct Force Measurements and Kinking under Elastic Deformation of Individual Multiwalled Boron Nitride Nanotubes. <i>Nano Letters</i> , 2007 , 7, 2146-2151	11.5	167
671	Self-Assembled Highly Faceted Wurtzite-Type ZnS Single-Crystalline Nanotubes with Hexagonal Cross-Sections. <i>Advanced Materials</i> , 2005 , 17, 1972-1977	24	166
670	Progress and future prospects of high-voltage and high-safety electrolytes in advanced lithium batteries: from liquid to solid electrolytes. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 11631-11663	13	166
669	MoS ₂ nanoflowers and their field-emission properties. <i>Applied Physics Letters</i> , 2003 , 82, 1962-1964	3.4	165
668	Synthetic Routes and Formation Mechanisms of Spherical Boron Nitride Nanoparticles. <i>Advanced Functional Materials</i> , 2008 , 18, 3653-3661	15.6	164
667	Deformation-driven electrical transport of individual boron nitride nanotubes. <i>Nano Letters</i> , 2007 , 7, 632-7	11.5	162
666	Phonon characteristics and cathodoluminescence of boron nitride nanotubes. <i>Applied Physics Letters</i> , 2005 , 86, 213110	3.4	162
665	N-doped graphene-VO ₂ (B) nanosheet-built 3D flower hybrid for lithium ion battery. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 2708-14	9.5	161
664	Alignment of Boron Nitride Nanotubes in Polymeric Composite Films for Thermal Conductivity Improvement. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 4340-4344	3.8	161
663	Rapid and direct conversion of graphite crystals into high-yielding, good-quality graphene by supercritical fluid exfoliation. <i>Chemistry - A European Journal</i> , 2010 , 16, 6488-94	4.8	158
662	Hybrid two-dimensional materials in rechargeable battery applications and their microscopic mechanisms. <i>Chemical Society Reviews</i> , 2016 , 45, 4042-73	58.5	157
661	Nano-micro-porous skutterudites with 100% enhancement in ZT for high performance thermoelectricity. <i>Nano Energy</i> , 2017 , 31, 152-159	17.1	152
660	In vitro investigation of the cellular toxicity of boron nitride nanotubes. <i>ACS Nano</i> , 2011 , 5, 3800-10	16.7	151

659	Production and characterization of single-crystal FeCo nanowires inside carbon nanotubes. <i>Nano Letters</i> , 2005 , 5, 467-72	11.5	150
658	Direct synthesis of B-C-N single-walled nanotubes by bias-assisted hot filament chemical vapor deposition. <i>Journal of the American Chemical Society</i> , 2006 , 128, 6530-1	16.4	150
657	Ultrathin nanoporous Fe ₃ O ₄ /Carbon nanosheets with enhanced supercapacitor performance. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 1952	13	149
656	Ni(OH) ₂ nanosheet @ Fe ₂ O ₃ nanowire hybrid composite arrays for high-performance supercapacitor electrodes. <i>Nano Energy</i> , 2013 , 2, 754-763	17.1	148
655	Synthesis of Mesoporous BN and BCN Exhibiting Large Surface Areas via Templating Methods. <i>Chemistry of Materials</i> , 2005 , 17, 5887-5890	9.6	147
654	A Fully Transparent and Flexible Ultraviolet-Visible Photodetector Based on Controlled Electrospun ZnO-CdO Heterojunction Nanofiber Arrays. <i>Advanced Functional Materials</i> , 2015 , 25, 5885-5894	15.6	146
653	BN Nanosheet/Polymer Films with Highly Anisotropic Thermal Conductivity for Thermal Management Applications. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 43163-43170	9.5	145
652	Electrical transport and high-performance photoconductivity in individual ZrS ₂ nanobelts. <i>Advanced Materials</i> , 2010 , 22, 4151-6	24	145
651	Covalent functionalization: towards soluble multiwalled boron nitride nanotubes. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 7932-5	16.4	145
650	Solvothermal Synthesis, Cathodoluminescence, and Field-Emission Properties of Pure and N-Doped ZnO Nanobullets. <i>Advanced Functional Materials</i> , 2009 , 19, 131-140	15.6	143
649	Cobalt(II,III) oxide hollow structures: fabrication, properties and applications. <i>Journal of Materials Chemistry</i> , 2012 , 22, 23310		142
648	Polystyrene sphere-assisted one-dimensional nanostructure arrays: synthesis and applications. <i>Journal of Materials Chemistry</i> , 2011 , 21, 40-56		142
647	Chemically activated boron nitride nanotubes. <i>Chemistry - an Asian Journal</i> , 2009 , 4, 1536-40	4.5	142
646	True Meaning of Pseudocapacitors and Their Performance Metrics: Asymmetric versus Hybrid Supercapacitors. <i>Small</i> , 2020 , 16, e2002806	11	142
645	Revealing the conversion mechanism of CuO nanowires during lithiation-delithiation by in situ transmission electron microscopy. <i>Chemical Communications</i> , 2012 , 48, 4812-4	5.8	141
644	Protrusions or Pores in graphene: which is the better choice for sodium ion storage?. <i>Energy and Environmental Science</i> , 2017 , 10, 979-986	35.4	140
643	Performance-improved LiO ₂ battery with Ru nanoparticles supported on binder-free multi-walled carbon nanotube paper as cathode. <i>Energy and Environmental Science</i> , 2014 , 7, 1648-1652	35.4	140
642	Synthesis, characterization and field-emission properties of bamboo-like beta-SiC nanowires. <i>Nanotechnology</i> , 2006 , 17, 3468-72	3.4	139

641	Characteristics of boron nitride nanotube-polyaniline composites. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 7929-32	16.4	136
640	High Performance Solar-Blind Deep Ultraviolet Photodetector Based on Individual Single-Crystalline Zn ₂ GeO ₄ Nanowire. <i>Advanced Functional Materials</i> , 2016 , 26, 704-712	15.6	136
639	Novel polymer nanocomposites from bioinspired green aqueous functionalization of BNNTs. <i>Polymer Chemistry</i> , 2012 , 3, 962	4.9	130
638	Oriented Assemblies of ZnS One-Dimensional Nanostructures. <i>Advanced Materials</i> , 2004 , 16, 831-834	24	129
637	Self-assembly of nickel phosphate-based nanotubes into two-dimensional crumpled sheet-like architectures for high-performance asymmetric supercapacitors. <i>Nano Energy</i> , 2020 , 67, 104270	17.1	129
636	Tensile tests on individual multi-walled boron nitride nanotubes. <i>Advanced Materials</i> , 2010 , 22, 4895-9	24	128
635	Li-O(2) battery based on highly efficient Sb-doped tin oxide supported Ru nanoparticles. <i>Advanced Materials</i> , 2014 , 26, 4659-64	24	127
634	In situ electrochemical formation of core-shell nickel-iron disulfide and oxyhydroxide heterostructured catalysts for a stable oxygen evolution reaction and the associated mechanisms. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 4335-4342	13	126
633	Mechanical properties of Si nanowires as revealed by in situ transmission electron microscopy and molecular dynamics simulations. <i>Nano Letters</i> , 2012 , 12, 1898-904	11.5	126
632	Aqueous noncovalent functionalization and controlled near-surface carbon doping of multiwalled boron nitride nanotubes. <i>Journal of the American Chemical Society</i> , 2008 , 130, 8144-5	16.4	126
631	Boron nitride nanotubes/polystyrene composites. <i>Journal of Materials Research</i> , 2006 , 21, 2794-2800	2.5	126
630	Growth and Field Emission of Hierarchical Single-Crystalline Wurtzite AlN Nanoarchitectures. <i>Advanced Materials</i> , 2005 , 17, 110-114	24	124
629	Superior Performance of a LiO ₂ Battery with Metallic RuO ₂ Hollow Spheres as the Carbon-Free Cathode. <i>Advanced Energy Materials</i> , 2015 , 5, 1500294	21.8	122
628	Recent advances in solution-processed inorganic nanofilm photodetectors. <i>Chemical Society Reviews</i> , 2014 , 43, 1400-22	58.5	121
627	Large-surface-area BN nanosheets and their utilization in polymeric composites with improved thermal and dielectric properties. <i>Nanoscale Research Letters</i> , 2012 , 7, 662	5	120
626	One-dimensional surface phonon polaritons in boron nitride nanotubes. <i>Nature Communications</i> , 2014 , 5, 4782	17.4	119
625	CoO octahedral nanocages for high-performance lithium ion batteries. <i>Chemical Communications</i> , 2012 , 48, 4878-80	5.8	119
624	Nanomechanical cleavage of molybdenum disulphide atomic layers. <i>Nature Communications</i> , 2014 , 5, 3631	17.4	118

623	Single-crystalline Sb ₂ Se ₃ nanowires for high-performance field emitters and photodetectors. <i>Advanced Materials</i> , 2010 , 22, 4530-3	24	118
622	Arsenic (V) adsorption on Fe ₃ O ₄ nanoparticle-coated boron nitride nanotubes. <i>Journal of Colloid and Interface Science</i> , 2011 , 359, 261-8	9.3	116
621	Epitaxial heterostructures: side-to-side Si-ZnS, Si-ZnSe biaxial nanowires, and sandwichlike ZnS-Si-ZnS triaxial nanowires. <i>Journal of the American Chemical Society</i> , 2003 , 125, 11306-13	16.4	116
620	Insights into the structure of BN nanotubes. <i>Applied Physics Letters</i> , 2000 , 77, 1979-1981	3.4	115
619	Biomass-directed synthesis of 20 g high-quality boron nitride nanosheets for thermoconductive polymeric composites. <i>ACS Nano</i> , 2014 , 8, 9081-8	16.7	114
618	Self-stacked Co ₃ O ₄ nanosheets for high-performance lithium ion batteries. <i>Chemical Communications</i> , 2011 , 47, 12280-2	5.8	113
617	Needlelike bicrystalline GaN nanowires with excellent field emission properties. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 17082-5	3.4	113
616	Enhanced Field Emission Performance of ZnO Nanorods by Two Alternative Approaches. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 12673-12676	3.8	112
615	Thickness-dependent bending modulus of hexagonal boron nitride nanosheets. <i>Nanotechnology</i> , 2009 , 20, 385707	3.4	111
614	Cobalt hydroxide/oxide hexagonal ring-graphene hybrids through chemical etching of metal hydroxide platelets by graphene oxide: energy storage applications. <i>ACS Nano</i> , 2014 , 8, 2755-65	16.7	110
613	Highly thermo-conductive fluid with boron nitride nanofillers. <i>ACS Nano</i> , 2011 , 5, 6571-7	16.7	110
612	Synthesis of crystalline silicon tubular nanostructures with ZnS nanowires as removable templates. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 63-6	16.4	110
611	MoO ₃ -promoted synthesis of multi-walled BN nanotubes from C nanotube templates. <i>Chemical Physics Letters</i> , 2000 , 323, 185-191	2.5	110
610	Tuning of the Optical, Electronic, and Magnetic Properties of Boron Nitride Nanosheets with Oxygen Doping and Functionalization. <i>Advanced Materials</i> , 2017 , 29, 1700695	24	109
609	Characterization, Cathodoluminescence, and Field-Emission Properties of Morphology-Tunable CdS Micro/Nanostructures. <i>Advanced Functional Materials</i> , 2009 , 19, 2423-2430	15.6	106
608	WO ₃ nanorods/nanobelts synthesized via physical vapor deposition process. <i>Chemical Physics Letters</i> , 2003 , 367, 214-218	2.5	106
607	Nanocable-aligned ZnS tetrapod nanocrystals. <i>Journal of the American Chemical Society</i> , 2003 , 125, 16196-7	16.4	106
606	Size-tailored ZnO submicrometer spheres: bottom-up construction, size-related optical extinction, and selective aniline trapping. <i>Advanced Materials</i> , 2011 , 23, 1865-70	24	105

605	Self-catalyst growth and optical properties of novel SnO ₂ fishbone-like nanoribbons. <i>Chemical Physics Letters</i> , 2003 , 372, 758-762	2.5	104
604	Structure and nitrogen incorporation of carbon nanotubes synthesized by catalytic pyrolysis of dimethylformamide. <i>Carbon</i> , 2004 , 42, 2625-2633	10.4	103
603	Filling boron nitride nanotubes with metals. <i>Applied Physics A: Materials Science and Processing</i> , 2003 , 76, 479-485	2.6	103
602	Single-Crystalline AlN Nanotubes with Carbon-Layer Coatings on the Outer and Inner Surfaces via a Multiwalled-Carbon-Nanotube-Template-Induced Route. <i>Advanced Materials</i> , 2005 , 17, 213-217	24	102
601	Controllable Modification of SiC Nanowires Encapsulated in BN Nanotubes. <i>Advanced Materials</i> , 2005 , 17, 545-549	24	102
600	Thermal Conductivity Improvement of Polymer Films by Catechin-Modified Boron Nitride Nanotubes. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 13605-13609	3.8	100
599	Heterojunctions between metals and carbon nanotubes as ultimate nanocontacts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 4591-5	11.5	100
598	Growth of Single-Crystal Indium Nitride Nanotubes and Nanowires by a Controlled-Carbonitridation Reaction Route. <i>Advanced Materials</i> , 2004 , 16, 1833-1838	24	100
597	Plasma-assisted interface engineering of boron nitride nanostructure films. <i>ACS Nano</i> , 2014 , 8, 10631-9	16.7	99
596	Layered Rare-Earth Hydroxides (LRHs) of (Y _{1-x} Eu _x) ₂ (OH) ₅ NO ₃ ·xH ₂ O (x = 0.1): Structural Variations by Eu ³⁺ Doping, Phase Conversion to Oxides, and the Correlation of Photoluminescence Behaviors. <i>Chemistry of Materials</i> , 2010 , 22, 4204-4213	9.6	99
595	Nanophotonic switch: gold-in-Ga ₂ O ₃ peapod nanowires. <i>Nano Letters</i> , 2008 , 8, 3081-5	11.5	98
594	Construction of Polarized Carbon-Nickel Catalytic Surfaces for Potent, Durable, and Economic Hydrogen Evolution Reactions. <i>ACS Nano</i> , 2018 , 12, 4148-4155	16.7	97
593	Remarkable Charge Separation and Photocatalytic Efficiency Enhancement through Interconnection of TiO ₂ Nanoparticles by Hydrothermal Treatment. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 3600-5	16.4	97
592	WO ₃ nanowires on carbon papers: electronic transport, improved ultraviolet-light photodetectors and excellent field emitters. <i>Journal of Materials Chemistry</i> , 2011 , 21, 6525		97
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