

# Chuanbao Cao

## List of Publications by Year in descending order

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352  
papers

15,416  
citations

16411

64  
h-index

30010

103  
g-index

353  
all docs

353  
docs citations

353  
times ranked

18236  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchical Porous Nitrogen-Doped Carbon Nanosheets Derived from Silk for Ultrahigh-Capacity Battery Anodes and Supercapacitors. <i>ACS Nano</i> , 2015, 9, 2556-2564.	7.3	1,375
2	Ultrathin Nickel Hydroxide and Oxide Nanosheets: Synthesis, Characterizations and Excellent Supercapacitor Performances. <i>Scientific Reports</i> , 2014, 4, 5787.	1.6	363
3	Multifunctional g-C <sub>3</sub> N <sub>4</sub> Nanofibers: A Template-Free Fabrication and Enhanced Optical, Electrochemical, and Photocatalyst Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 1258-1265.	4.0	360
4	Tubular graphitic-C <sub>3</sub> N <sub>4</sub> : a prospective material for energy storage and green photocatalysis. <i>Journal of Materials Chemistry A</i> , 2013, 1, 13949.	5.2	238
5	Popcorn-Derived Porous Carbon Flakes with an Ultrahigh Specific Surface Area for Superior Performance Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 30626-30634.	4.0	227
6	Nanometer-Sized Copper Sulfide Hollow Spheres with Strong Optical-Limiting Properties. <i>Advanced Functional Materials</i> , 2007, 17, 1397-1401.	7.8	199
7	Microwave Assisted Synthesis of Porous NiCo <sub>2</sub> O <sub>4</sub> Microspheres: Application as High Performance Asymmetric and Symmetric Supercapacitors with Large Areal Capacitance. <i>Scientific Reports</i> , 2016, 6, 22699.	1.6	178
8	One-step synthesis of zinc-cobalt layered double hydroxide (Zn-Co-LDH) nanosheets for high-efficiency oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6878-6883.	5.2	177
9	Two-dimensional ultrathin ZnCo <sub>2</sub> O <sub>4</sub> nanosheets: general formation and lithium storage application. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9556-9564.	5.2	168
10	Poly(vinylidene fluoride)/SiO <sub>2</sub> composite membranes prepared by electrospinning and their excellent properties for nonwoven separators for lithium-ion batteries. <i>Journal of Power Sources</i> , 2014, 251, 423-431.	4.0	163
11	Enhancing visible-light photoelectrochemical water splitting through transition-metal doped TiO <sub>2</sub> nanorod arrays. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17820-17827.	5.2	157
12	Self-assembled one-dimensional carbon nitride architectures. <i>Diamond and Related Materials</i> , 2006, 15, 1593-1600.	1.8	150
13	Synthesis of Novel ZnV <sub>2</sub> O <sub>4</sub> Hierarchical Nanospheres and Their Applications as Electrochemical Supercapacitor and Hydrogen Storage Material. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 13635-13641.	4.0	150
14	Template free synthesis of CuS nanosheet-based hierarchical microspheres: an efficient natural light driven photocatalyst. <i>CrystEngComm</i> , 2014, 16, 5290.	1.3	147
15	High-performance supercapacitor electrode based on amorphous mesoporous Ni(OH) <sub>2</sub> nanoboxes. <i>Journal of Power Sources</i> , 2014, 262, 344-348.	4.0	133
16	Surface-enabled superior lithium storage of high-quality ultrathin NiO nanosheets. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7904.	5.2	132
17	From Rice Bran to High Energy Density Supercapacitors: A New Route to Control Porous Structure of 3D Carbon. <i>Scientific Reports</i> , 2014, 4, 7260.	1.6	128
18	LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> Nanoplates with {010} Active Planes Exposing Prepared in Polyol Medium as a High-Performance Cathode for Li-Ion Battery. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 5075-5082.	4.0	127

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19	Microwave-Assisted and Gram-Scale Synthesis of Ultrathin SnO <sub>2</sub> Nanosheets with Enhanced Lithium Storage Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 2745-2753.	4.0	127
20	Chlorine-doped carbonated cobalt hydroxide for supercapacitors with enormously high pseudocapacitive performance and energy density. <i>Nano Energy</i> , 2015, 11, 267-276.	8.2	121
21	One-Pot Pyrolysis to N-Doped Graphene with High-Density Pt Single Atomic Sites as Heterogeneous Catalyst for Alkene Hydrosilylation. <i>ACS Catalysis</i> , 2018, 8, 10004-10011.	5.5	121
22	Bifunctional catalysts of Co <sub>3</sub> O <sub>4</sub> @GCN tubular nanostructured (TNS) hybrids for oxygen and hydrogen evolution reactions. <i>Nano Research</i> , 2015, 8, 3725-3736.	5.8	117
23	Preparation of non-woven mats from all-aqueous silk fibroin solution with electrospinning method. <i>Polymer</i> , 2006, 47, 6322-6327.	1.8	115
24	Remarkable cycling durability of lithium-sulfur batteries with interconnected mesoporous hollow carbon nanospheres as high sulfur content host. <i>Chemical Engineering Journal</i> , 2020, 401, 126141.	6.6	114
25	Enhanced electrochemical performance of ball milled CoO for supercapacitor applications. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16467-16473.	5.2	112
26	Scalable 2D Mesoporous Silicon Nanosheets for High-Performance Lithium-Ion Battery Anode. <i>Small</i> , 2018, 14, e1703361.	5.2	112
27	Synthesis of Carbon Nitride Nanotubes via a Catalytic-Assembly Solvothermal Route. <i>Chemistry of Materials</i> , 2004, 16, 5213-5215.	3.2	110
28	LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> hollow nano-micro hierarchical microspheres with enhanced performances as cathodes for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11848.	5.2	109
29	Microwave-assisted synthesis of graphene-like cobalt sulfide freestanding sheets as an efficient bifunctional electrocatalyst for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7592-7607.	5.2	108
30	A novel Z-scheme WO <sub>3</sub> /CdWO <sub>4</sub> photocatalyst with enhanced visible-light photocatalytic activity for the degradation of organic pollutants. <i>RSC Advances</i> , 2015, 5, 6019-6026.	1.7	104
31	Tunable porous structure of carbon nanosheets derived from puffed rice for high energy density supercapacitors. <i>Journal of Power Sources</i> , 2017, 371, 148-155.	4.0	104
32	Electrospinning of silk fibroin and collagen for vascular tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2010, 47, 514-519.	3.6	103
33	Solvothermal synthesis of Co <sub>x</sub> Fe <sub>3-x</sub> O <sub>4</sub> spheres and their microwave absorption properties. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5944-5953.	2.7	102
34	The way to improve the energy density of supercapacitors: Progress and perspective. <i>Science China Materials</i> , 2018, 61, 1517-1526.	3.5	102
35	Microwave-Assisted Synthesis of CuS Hierarchical Nanosheets as the Cathode Material for High-Capacity Rechargeable Magnesium Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 7046-7054.	4.0	101
36	Large scale production of novel g-C <sub>3</sub> N <sub>4</sub> micro strings with high surface area and versatile photodegradation ability. <i>CrystEngComm</i> , 2014, 16, 1825.	1.3	96

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37	Variable dimensional structure and interface design of g-C <sub>3</sub> N <sub>4</sub> /BiOI composites with oxygen vacancy for improving visible-light photocatalytic properties. <i>Journal of Cleaner Production</i> , 2021, 287, 125072.	4.6	93
38	Cytocompatibility and blood compatibility of multifunctional fibroin/collagen/heparin scaffolds. <i>Biomaterials</i> , 2007, 28, 2306-2313.	5.7	92
39	Hollow core-shell Fe <sub>3</sub> O <sub>4</sub> microspheres with excellent lithium-storage and gas-sensing properties. <i>Chemical Communications</i> , 2010, 46, 3869.	2.2	92
40	Engineering yolk-shell P-doped NiS <sub>2</sub> /C spheres via a MOF-template for high-performance sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8612-8619.	5.2	92
41	Formation of crystalline carbon nitride powder by a mild solvothermal method. <i>Journal of Materials Chemistry</i> , 2003, 13, 1241.	6.7	91
42	In vitro and in vivo degradation behavior of aqueous-derived electrospun silk fibroin scaffolds. <i>Polymer Degradation and Stability</i> , 2010, 95, 1679-1685.	2.7	90
43	A novel three-dimensional tubular scaffold prepared from silk fibroin by electrospinning. <i>International Journal of Biological Macromolecules</i> , 2009, 45, 504-510.	3.6	87
44	Enhanced electrochemical performance of carbon nanospheres-LiFePO <sub>4</sub> composite by PEG based sol-gel synthesis. <i>Electrochimica Acta</i> , 2010, 55, 3921-3926.	2.6	86
45	Advances and challenges in metal-organic framework derived porous materials for batteries and electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2020, 8, 24895-24919.	5.2	86
46	Photoresponse and Field-Emission Properties of Bismuth Sulfide Nanoflowers. <i>Crystal Growth and Design</i> , 2008, 8, 3951-3955.	1.4	83
47	A co-sol-emulsion-gel synthesis of tunable and uniform hollow carbon nanospheres with interconnected mesoporous shells. <i>Nanoscale</i> , 2016, 8, 451-457.	2.8	83
48	One Dimensional Graphitic Carbon Nitrides as Effective Metal-Free Oxygen Reduction Catalysts. <i>Scientific Reports</i> , 2015, 5, 12389.	1.6	81
49	Molecular beam epitaxy growth of high quality p-doped SnS van der Waals epitaxy on a graphene buffer layer. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	78
50	Synthesis and characterization of graphite-like carbon nitride nanobelts and nanotubes. <i>Nanotechnology</i> , 2007, 18, 115605.	1.3	77
51	Gas-Sensing Properties of Perovskite BiFeO <sub>3</sub> Nanoparticles. <i>Journal of the American Ceramic Society</i> , 2009, 92, 3105-3107.	1.9	75
52	Microwave-anion-exchange route to ultrathin cobalt-nickel-sulfide nanosheets for hybrid supercapacitors. <i>Chemical Engineering Journal</i> , 2019, 362, 576-587.	6.6	75
53	Bamboo-Like Nitrogen-Doped Carbon Nanotubes with Co Nanoparticles Encapsulated at the Tips: Uniform and Large-Scale Synthesis and High-Performance Electrocatalysts for Oxygen Reduction. <i>Chemistry - A European Journal</i> , 2015, 21, 14022-14029.	1.7	74
54	Facile one-pot synthesis of mesoporous hierarchically structured silica/carbon nanomaterials. <i>Journal of Materials Chemistry</i> , 2012, 22, 13918.	6.7	73

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55	Synthesis of CuS flowers exhibiting versatile photo-catalyst response. <i>New Journal of Chemistry</i> , 2015, 39, 1459-1468.	1.4	72
56	Preparation of alumina films from a new sol-gel route. <i>Thin Solid Films</i> , 1999, 348, 99-102.	0.8	70
57	In situ formed Bi/BiOBr heterojunction of hierarchical microspheres for efficient visible-light photocatalytic activity. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 13347-13354.	1.3	70
58	Rigid three-dimensional Ni <sub>3</sub> S <sub>4</sub> nanosheet frames: controlled synthesis and their enhanced electrochemical performance. <i>RSC Advances</i> , 2015, 5, 8422-8426.	1.7	70
59	High-valence Ni and Fe sites on sulfated NiFe-LDH nanosheets to enhance O-O coupling for water oxidation. <i>Chemical Engineering Journal</i> , 2021, 426, 130873.	6.6	70
60	The synergistic effect between WO <sub>3</sub> and g-C <sub>3</sub> N <sub>4</sub> towards efficient visible-light-driven photocatalytic performance. <i>New Journal of Chemistry</i> , 2014, 38, 5462-5469.	1.4	69
61	Carbon nitride prepared by solvothermal method. <i>Diamond and Related Materials</i> , 2003, 12, 1070-1074.	1.8	68
62	Solution growth of 1D zinc tungstate (ZnWO <sub>4</sub> ) nanowires; design, morphology, and electrochemical sensor fabrication for selective detection of chloramphenicol. <i>Journal of Hazardous Materials</i> , 2019, 367, 205-214.	6.5	68
63	Cuprous Self-Doping Regulated Mesoporous CuS Nanotube Cathode Materials for Rechargeable Magnesium Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 35035-35042.	4.0	68
64	Attempt to deposit carbon nitride films by electrodeposition from an organic liquid. <i>Physical Review B</i> , 1999, 59, 1693-1696.	1.1	67
65	Graphitic carbon nitride thin films deposited by electrodeposition. <i>Materials Letters</i> , 2004, 58, 1903-1906.	1.3	66
66	Microwave assisted synthesis of mesoporous NiCo <sub>2</sub> O <sub>4</sub> nanosheets as electrode material for advanced flexible supercapacitors. <i>RSC Advances</i> , 2015, 5, 33146-33154.	1.7	65
67	Tumor-Targeted Multimodal Optical Imaging with Versatile Cadmium-Free Quantum Dots. <i>Advanced Functional Materials</i> , 2016, 26, 267-276.	7.8	65
68	Cobalt-doping SnS <sub>2</sub> nanosheets towards high-performance anodes for sodium ion batteries. <i>Nanoscale</i> , 2020, 12, 248-255.	2.8	64
69	Synthesis of mid-infrared SnSe nanowires and their optoelectronic properties. <i>CrystEngComm</i> , 2014, 16, 3470.	1.3	63
70	Solvothermal synthesis of the special shape (deformable) hollow g-C <sub>3</sub> N <sub>4</sub> nanospheres. <i>Materials Letters</i> , 2011, 65, 1101-1104.	1.3	60
71	Hydrothermal synthesis of Co-doped ZnO flakes with room temperature ferromagnetism. <i>Journal of Alloys and Compounds</i> , 2010, 501, 265-268.	2.8	59
72	Lithium Titanate Epitaxial Coating on Spinel Lithium Manganese Oxide Surface for Improving the Performance of Lithium Storage Capability. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 18742-18750.	4.0	59

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73	Micro and nano hierarchical structures of BiOI/activated carbon for efficient visible-light-photocatalytic reactions. <i>Scientific Reports</i> , 2017, 7, 11665.	1.6	59
74	Supported SnS <sub>2</sub> nanosheet array as binder-free anode for sodium ion batteries. <i>Electrochimica Acta</i> , 2019, 308, 174-184.	2.6	59
75	Effect of the morphology of CuS upon the photocatalytic degradation of organic dyes. <i>RSC Advances</i> , 2014, 4, 63447-63456.	1.7	58
76	Electrodeposition diamond-like carbon films from organic liquids. <i>Thin Solid Films</i> , 2000, 368, 203-207.	0.8	56
77	Synthesis of hexagonal boron carbonitride phase by solvothermal method. <i>Diamond and Related Materials</i> , 2004, 13, 1757-1760.	1.8	56
78	Magnetic and optical properties of Fe doped ZnS nanoparticles synthesized by microemulsion method. <i>Chemical Physics Letters</i> , 2011, 517, 55-58.	1.2	56
79	Superelastic and Spring Properties of Si <sub>3</sub> N <sub>4</sub> Microcoils. <i>Advanced Materials</i> , 2008, 20, 1738-1743.	11.1	55
80	Synthesis, evolution and hydrogen storage properties of ZnV <sub>2</sub> O <sub>4</sub> glomerulus nano/microspheres: A prospective material for energy storage. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 7842-7851.	3.8	55
81	A simple method to synthesize gallium oxide nanosheets and nanobelts. <i>Chemical Physics Letters</i> , 2003, 378, 660-664.	1.2	54
82	Growth and characterization of single-crystal ZnSe nanorods via surfactant soft-template method. <i>Solid State Communications</i> , 2004, 130, 241-245.	0.9	54
83	Floating photocatalyst of BaTiO <sub>3</sub> /expanded perlite: a sol-gel synthesis with optimized mesoporous and high photocatalytic activity. <i>Scientific Reports</i> , 2016, 6, 29902.	1.6	53
84	Anionic Se <sup>2-</sup> Substitution toward High Performance CuS <sub>1-x</sub> Se <sub>x</sub> Nanosheet Cathode for Rechargeable Magnesium Batteries. <i>Small</i> , 2019, 15, e1902797.	5.2	53
85	Tuning oxygen redox chemistry of P2-type manganese-based oxide cathode via dual Cu and Co substitution for sodium-ion batteries. <i>Energy Storage Materials</i> , 2021, 41, 581-587.	9.5	53
86	Electronic, elastic, optical properties of rutile TiO <sub>2</sub> under pressure: A DFT study. <i>Physica B: Condensed Matter</i> , 2012, 407, 958-965.	1.3	52
87	Effect of synthesis technique on electrochemical performance of bismuth selenide. <i>Journal of Power Sources</i> , 2013, 229, 216-222.	4.0	52
88	Cube-shaped hierarchical LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> with enhanced growth of nanocrystal planes as high-performance cathode materials for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15523-15528.	5.2	52
89	Microwave-assisted synthesis of CuSe nano-particles as a high-performance cathode for rechargeable magnesium batteries. <i>Electrochimica Acta</i> , 2019, 324, 134864.	2.6	52
90	Pulverization-tolerant CuSe Nanoflakes with High (110) Planar Orientation for High Performance Magnesium Storage. <i>Advanced Functional Materials</i> , 2021, 31, 2104730.	7.8	52

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91	Hierarchical mesoporous NiCo <sub>2</sub> O <sub>4</sub> hollow nanocubes for supercapacitors. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 6268-6274.	1.3	51
92	Novel gas sensing materials based on CuS hollow spheres. <i>Microporous and Mesoporous Materials</i> , 2009, 118, 423-426.	2.2	50
93	The biocompatibility of silk fibroin films containing sulfonated silk fibroin. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2006, 78B, 89-96.	1.6	49
94	Enhanced electrochemical performance of nano-sized LiFePO <sub>4</sub> /C synthesized by an ultrasonic-assisted co-precipitation method. <i>Electrochimica Acta</i> , 2010, 55, 4694-4699.	2.6	49
95	Constructing sheet-assembled hollow CuSe nanocubes to boost the rate capability of rechargeable magnesium batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 3648-3656.	5.2	49
96	A Simple Synthesis of Two-Dimensional Ultrathin Nickel Cobaltite Nanosheets for Electrochemical Lithium Storage. <i>Electrochimica Acta</i> , 2015, 176, 141-148.	2.6	48
97	Hierarchical LiMn <sub>2</sub> O <sub>4</sub> Hollow Cubes with Exposed {111} Planes as High-Power Cathodes for Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 19567-19572.	4.0	48
98	Well-Aligned Single-Crystalline GaN Nanocolumns and Their Field Emission Properties. <i>Crystal Growth and Design</i> , 2009, 9, 792-796.	1.4	47
99	Template-free synthesis of highly ordered 3D-hollow hierarchical Nb <sub>2</sub> O <sub>5</sub> superstructures as an asymmetric supercapacitor by using inorganic electrolyte. <i>Electrochimica Acta</i> , 2016, 216, 332-338.	2.6	47
100	A novel solvent system for blending of polyurethane and heparin. <i>Biomaterials</i> , 2003, 24, 3915-3919.	5.7	46
101	Synthesis of novel ZnV <sub>2</sub> O <sub>4</sub> spinel oxide nanosheets and their hydrogen storage properties. <i>CrystEngComm</i> , 2014, 16, 894-899.	1.3	46
102	Optimization of macroporous 3-D silk fibroin scaffolds by salt-leaching procedure in organic solvent-free conditions. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 315-324.	1.7	45
103	A general synthetic strategy to monolayer graphene. <i>Nano Research</i> , 2018, 11, 3088-3095.	5.8	45
104	Microwave-assisted and large-scale synthesis of SnO <sub>2</sub> /carbon-nanotube hybrids with high lithium storage capacity. <i>RSC Advances</i> , 2015, 5, 58568-58573.	1.7	44
105	Rapid and simplistic microwave assisted method to synthesise cobalt selenide nanosheets; a prospective material for high performance hybrid supercapacitor. <i>Applied Surface Science</i> , 2020, 505, 144618.	3.1	44
106	Deposition of unhydrogenated diamond-like amorphous carbon films by electrolysis of organic solutions. <i>Thin Solid Films</i> , 1997, 293, 87-90.	0.8	43
107	Structure and ferromagnetic properties of Co-doped ZnO powders. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 2216-2219.	1.0	43
108	Effect of electrodeposition and annealing of ZnO on optical and photovoltaic properties of the p-Cu <sub>2</sub> O/n-ZnO solar cells. <i>Electrochimica Acta</i> , 2011, 56, 8342-8346.	2.6	43



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109	Poly(vinylidene fluoride)/SiO <sub>2</sub> composite membrane separators for high-performance lithium-ion batteries to provide battery capacity with improved separator properties. <i>Journal of Power Sources</i> , 2020, 451, 227759.	4.0	43
110	Facile One-Step Microwave-Assisted Method to Synthesize Nickel Selenide Nanosheets for High-Performance Hybrid Supercapacitor. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 1005-1014.	5.0	43
111	Synthesis and photoluminescence of gallium oxide ultra-long nanowires and thin nanosheets. <i>Journal of Crystal Growth</i> , 2005, 279, 122-128.	0.7	42
112	Synthesis of highly pure single crystalline SnSe nanostructures by thermal evaporation and condensation route. <i>Materials Chemistry and Physics</i> , 2012, 137, 565-570.	2.0	42
113	Mesoporous Spinel LiMn <sub>2</sub> O <sub>4</sub> Cathode Material by a Soft-templating Route. <i>Electrochimica Acta</i> , 2016, 199, 51-58.	2.6	42
114	Growth and Field Emission Properties of Cactus-like Gallium Oxide Nanostructures. <i>Journal of Physical Chemistry C</i> , 2008, 112, 95-98.	1.5	41
115	Regenerated Silk Fibroin Films with Controllable Nanostructure Size and Secondary Structure for Drug Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 21813-21821.	4.0	41
116	Chrysanthemum-like TiO <sub>2</sub> nanostructures with exceptional reversible capacity and high coulombic efficiency for lithium storage. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6402-6407.	5.2	41
117	Synthesis and photoluminescence properties of Bi <sub>2</sub> S <sub>3</sub> nanowires via surfactant micelle-template inducing reaction. <i>Solid State Communications</i> , 2005, 134, 239-243.	0.9	40
118	Carbon-wrapped TiO <sub>2</sub> nanocubes exposed with (001) active facets for high-rate and long-life lithium-ion batteries. <i>Journal of Power Sources</i> , 2016, 302, 259-265.	4.0	40
119	Microwave-assisted preparation of hollow porous carbon spheres and as anode of lithium-ion batteries. <i>Microporous and Mesoporous Materials</i> , 2017, 251, 114-121.	2.2	40
120	Lantern-like bismuth oxyiodide embedded typha-based carbon <i>in situ</i> self-template and ion exchange-recrystallization for high-performance photocatalysis. <i>Dalton Transactions</i> , 2018, 47, 6692-6701.	1.6	40
121	Anionic Te-Substitution Boosting the Reversible Redox in CuS Nanosheet Cathodes for Magnesium Storage. <i>ACS Nano</i> , 2022, 16, 1578-1588.	7.3	40
122	Preparation of insoluble fibroin films without methanol treatment. <i>Journal of Applied Polymer Science</i> , 2005, 96, 2168-2173.	1.3	39
123	Strongly coupled mesoporous SnO <sub>2</sub> -graphene hybrid with enhanced electrochemical and photocatalytic activity. <i>RSC Advances</i> , 2013, 3, 11860.	1.7	39
124	3D hierarchical MnO <sub>2</sub> microspheres: a prospective material for high performance supercapacitors and lithium-ion batteries. <i>Sustainable Energy and Fuels</i> , 2017, 1, 1795-1804.	2.5	39
125	Template free and facile microwave-assisted synthesis method to prepare mesoporous copper sulfide nanosheets for high-performance hybrid supercapacitor. <i>Electrochimica Acta</i> , 2019, 319, 49-60.	2.6	39
126	The preparation of insoluble fibroin films induced by degummed fibroin or fibroin microspheres. <i>Journal of Materials Science: Materials in Medicine</i> , 2004, 15, 1193-1197.	1.7	38



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127	Preparation and characterization of PLA/fibroin composite and culture of HepG2 (human) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 3023-3030.	3.8	38
128	Formation and optical properties of ZnO:ZnFe <sub>2</sub> O <sub>4</sub> superlattice microwires. Nano Research, 2010, 3, 326-338.	5.8	38
129	Facile synthesis of novel Nb <sub>3</sub> O <sub>7</sub> F nanoflowers, their optical and photocatalytic properties. CrystEngComm, 2013, 15, 8146.	1.3	38
130	Synthesis of three-dimensional WO <sub>3</sub> octahedra: characterization, optical and efficient photocatalytic properties. RSC Advances, 2014, 4, 37914-37920.	1.7	38
131	Investigation of thermoelectric properties of novel cubic phase SnSe: A promising material for thermoelectric applications. Journal of Alloys and Compounds, 2017, 715, 438-444.	2.8	38
132	Synthesis and characterization of crystalline gallium nitride nanoribbon rings. Journal of Crystal Growth, 2004, 263, 25-29.	0.7	37
133	Synthesis of hollow carbon nitride microspheres by an electrodeposition method. Applied Surface Science, 2010, 256, 2327-2331.	3.1	37
134	Bandgap-tunable phosphorus-doped monolayer graphene with enhanced visible-light photocatalytic H <sub>2</sub> -production activity. Journal of Materials Chemistry C, 2019, 7, 10613-10622.	2.7	37
135	Nearly monodisperse hollow Fe <sub>2</sub> O <sub>3</sub> nanoovals: Synthesis, magnetic property and applications in photocatalysis and gas sensors. Sensors and Actuators B: Chemical, 2010, 145, 651-656.	4.0	36
136	Fabrication and photovoltaic characteristics of Cu <sub>2</sub> O/TiO <sub>2</sub> thin film heterojunction solar cell. Thin Solid Films, 2012, 522, 430-434.	0.8	36
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