

# Chuanbao Cao

## List of Publications by Year in descending order

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352  
papers

15,416  
citations

16451

64  
h-index

30087

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.	14.6	1,375
2	Ultrathin Nickel Hydroxide and Oxide Nanosheets: Synthesis, Characterizations and Excellent Supercapacitor Performances. <i>Scientific Reports</i> , 2014, 4, 5787.	3.3	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.	8.0	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.	10.3	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.	8.0	227
6	Nanometer-Sized Copper Sulfide Hollow Spheres with Strong Optical-Limiting Properties. <i>Advanced Functional Materials</i> , 2007, 17, 1397-1401.	14.9	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.	3.3	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.	10.3	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.	10.3	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.	7.8	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.	10.3	157
12	Self-assembled one-dimensional carbon nitride architectures. <i>Diamond and Related Materials</i> , 2006, 15, 1593-1600.	3.9	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.	8.0	150
14	Template free synthesis of CuS nanosheet-based hierarchical microspheres: an efficient natural light driven photocatalyst. <i>CrystEngComm</i> , 2014, 16, 5290.	2.6	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.	7.8	133
16	Surface-enabled superior lithium storage of high-quality ultrathin NiO nanosheets. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7904.	10.3	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.	3.3	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 Exposed Prepared in Polyol Medium as a High-Performance Cathode for Li-Ion Battery. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 5075-5082.	8.0	127

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19	Microwave-Assisted and Gram-Scale Synthesis of Ultrathin SnO <sub>2</sub> Nanosheets with Enhanced Lithium Storage Properties. ACS Applied Materials & Interfaces, 2015, 7, 2745-2753.	8.0	127
20	Chlorine-doped carbonated cobalt hydroxide for supercapacitors with enormously high pseudocapacitive performance and energy density. Nano Energy, 2015, 11, 267-276.	16.0	121
21	One-Pot Pyrolysis to N-Doped Graphene with High-Density Pt Single Atomic Sites as Heterogeneous Catalyst for Alkene Hydrosilylation. ACS Catalysis, 2018, 8, 10004-10011.	11.2	121
22	Bifunctional catalysts of Co <sub>3</sub> O <sub>4</sub> @GCN tubular nanostructured (TNS) hybrids for oxygen and hydrogen evolution reactions. Nano Research, 2015, 8, 3725-3736.	10.4	117
23	Preparation of non-woven mats from all-aqueous silk fibroin solution with electrospinning method. Polymer, 2006, 47, 6322-6327.	3.8	115
24	Remarkable cycling durability of lithium-sulfur batteries with interconnected mesoporous hollow carbon nanospheres as high sulfur content host. Chemical Engineering Journal, 2020, 401, 126141.	12.7	114
25	Enhanced electrochemical performance of ball milled CoO for supercapacitor applications. Journal of Materials Chemistry A, 2014, 2, 16467-16473.	10.3	112
26	Scalable 2D Mesoporous Silicon Nanosheets for High-Performance Lithium-Ion Battery Anode. Small, 2018, 14, e1703361.	10.0	112
27	Synthesis of Carbon Nitride Nanotubes via a Catalytic-Assembly Solvothermal Route. Chemistry of Materials, 2004, 16, 5213-5215.	6.7	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. Journal of Materials Chemistry A, 2013, 1, 11848.	10.3	109
29	Microwave-assisted synthesis of graphene-like cobalt sulfide freestanding sheets as an efficient bifunctional electrocatalyst for overall water splitting. Journal of Materials Chemistry A, 2018, 6, 7592-7607.	10.3	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. RSC Advances, 2015, 5, 6019-6026.	3.6	104
31	Tunable porous structure of carbon nanosheets derived from puffed rice for high energy density supercapacitors. Journal of Power Sources, 2017, 371, 148-155.	7.8	104
32	Electrospinning of silk fibroin and collagen for vascular tissue engineering. International Journal of Biological Macromolecules, 2010, 47, 514-519.	7.5	103
33	Solvothermal synthesis of Co <sub>x</sub> Fe <sub>3-x</sub> O <sub>4</sub> spheres and their microwave absorption properties. Journal of Materials Chemistry C, 2014, 2, 5944-5953.	5.5	102
34	The way to improve the energy density of supercapacitors: Progress and perspective. Science China Materials, 2018, 61, 1517-1526.	6.3	102
35	Microwave-Assisted Synthesis of CuS Hierarchical Nanosheets as the Cathode Material for High-Capacity Rechargeable Magnesium Batteries. ACS Applied Materials & Interfaces, 2019, 11, 7046-7054.	8.0	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. CrystEngComm, 2014, 16, 1825.	2.6	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.	9.3	93
38	Cytocompatibility and blood compatibility of multifunctional fibroin/collagen/heparin scaffolds. <i>Biomaterials</i> , 2007, 28, 2306-2313.	11.4	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.	4.1	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.	10.3	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.	5.8	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.	7.5	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.	5.2	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.	10.3	86
46	Photoresponse and Field-Emission Properties of Bismuth Sulfide Nanoflowers. <i>Crystal Growth and Design</i> , 2008, 8, 3951-3955.	3.0	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.	5.6	83
48	One Dimensional Graphitic Carbon Nitrides as Effective Metal-Free Oxygen Reduction Catalysts. <i>Scientific Reports</i> , 2015, 5, 12389.	3.3	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, .	2.5	78
50	Synthesis and characterization of graphite-like carbon nitride nanobelts and nanotubes. <i>Nanotechnology</i> , 2007, 18, 115605.	2.6	77
51	Gas-Sensing Properties of Perovskite BiFeO <sub>3</sub> Nanoparticles. <i>Journal of the American Ceramic Society</i> , 2009, 92, 3105-3107.	3.8	75
52	Microwave-anion-exchange route to ultrathin cobalt-nickel-sulfide nanosheets for hybrid supercapacitors. <i>Chemical Engineering Journal</i> , 2019, 362, 576-587.	12.7	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.	3.3	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.	2.8	72
56	Preparation of alumina films from a new sol-gel route. <i>Thin Solid Films</i> , 1999, 348, 99-102.	1.8	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.	2.8	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.	3.6	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.	12.7	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.	2.8	69
61	Carbon nitride prepared by solvothermal method. <i>Diamond and Related Materials</i> , 2003, 12, 1070-1074.	3.9	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.	12.4	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.	8.0	68
64	Attempt to deposit carbon nitride films by electrodeposition from an organic liquid. <i>Physical Review B</i> , 1999, 59, 1693-1696.	3.2	67
65	Graphitic carbon nitride thin films deposited by electrodeposition. <i>Materials Letters</i> , 2004, 58, 1903-1906.	2.6	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.	3.6	65
67	Tumor-Targeted Multimodal Optical Imaging with Versatile Cadmium-Free Quantum Dots. <i>Advanced Functional Materials</i> , 2016, 26, 267-276.	14.9	65
68	Cobalt-doping SnS <sub>2</sub> nanosheets towards high-performance anodes for sodium ion batteries. <i>Nanoscale</i> , 2020, 12, 248-255.	5.6	64
69	Synthesis of mid-infrared SnSe nanowires and their optoelectronic properties. <i>CrystEngComm</i> , 2014, 16, 3470.	2.6	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.	2.6	60
71	Hydrothermal synthesis of Co-doped ZnO flakes with room temperature ferromagnetism. <i>Journal of Alloys and Compounds</i> , 2010, 501, 265-268.	5.5	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.	8.0	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.	3.3	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.	5.2	59
75	Effect of the morphology of CuS upon the photocatalytic degradation of organic dyes. <i>RSC Advances</i> , 2014, 4, 63447-63456.	3.6	58
76	Electrodeposition diamond-like carbon films from organic liquids. <i>Thin Solid Films</i> , 2000, 368, 203-207.	1.8	56
77	Synthesis of hexagonal boron carbonitride phase by solvothermal method. <i>Diamond and Related Materials</i> , 2004, 13, 1757-1760.	3.9	56
78	Magnetic and optical properties of Fe doped ZnS nanoparticles synthesized by microemulsion method. <i>Chemical Physics Letters</i> , 2011, 517, 55-58.	2.6	56
79	Superelastic and Spring Properties of Si <sub>3</sub> N <sub>4</sub> Microcoils. <i>Advanced Materials</i> , 2008, 20, 1738-1743.	21.0	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.	7.1	55
81	A simple method to synthesize gallium oxide nanosheets and nanobelts. <i>Chemical Physics Letters</i> , 2003, 378, 660-664.	2.6	54
82	Growth and characterization of single-crystal ZnSe nanorods via surfactant soft-template method. <i>Solid State Communications</i> , 2004, 130, 241-245.	1.9	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.	3.3	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.	10.0	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.	18.0	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.	2.7	52
87	Effect of synthesis technique on electrochemical performance of bismuth selenide. <i>Journal of Power Sources</i> , 2013, 229, 216-222.	7.8	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.	10.3	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.	5.2	52
90	Pulverization-tolerant CuSe Nanoflakes with High (110) Planar Orientation for High Performance Magnesium Storage. <i>Advanced Functional Materials</i> , 2021, 31, 2104730.	14.9	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.	2.8	51
92	Novel gas sensing materials based on CuS hollow spheres. <i>Microporous and Mesoporous Materials</i> , 2009, 118, 423-426.	4.4	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.	3.4	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.	5.2	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.	10.3	49
96	A Simple Synthesis of Two-Dimensional Ultrathin Nickel Cobaltite Nanosheets for Electrochemical Lithium Storage. <i>Electrochimica Acta</i> , 2015, 176, 141-148.	5.2	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.	8.0	48
98	Well-Aligned Single-Crystalline GaN Nanocolumns and Their Field Emission Properties. <i>Crystal Growth and Design</i> , 2009, 9, 792-796.	3.0	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.	5.2	47
100	A novel solvent system for blending of polyurethane and heparin. <i>Biomaterials</i> , 2003, 24, 3915-3919.	11.4	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.	2.6	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.	3.6	45
103	A general synthetic strategy to monolayer graphene. <i>Nano Research</i> , 2018, 11, 3088-3095.	10.4	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.	3.6	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.	6.1	44
106	Deposition of unhydrogenated diamond-like amorphous carbon films by electrolysis of organic solutions. <i>Thin Solid Films</i> , 1997, 293, 87-90.	1.8	43
107	Structure and ferromagnetic properties of Co-doped ZnO powders. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 2216-2219.	2.3	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.	5.2	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.	7.8	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.	9.4	43
111	Synthesis and photoluminescence of gallium oxide ultra-long nanowires and thin nanosheets. <i>Journal of Crystal Growth</i> , 2005, 279, 122-128.	1.5	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.	4.0	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.	5.2	42
114	Growth and Field Emission Properties of Cactus-like Gallium Oxide Nanostructures. <i>Journal of Physical Chemistry C</i> , 2008, 112, 95-98.	3.1	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.	8.0	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.	10.3	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.	1.9	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.	7.8	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.	4.4	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.	3.3	40
121	Anionic Te-Substitution Boosting the Reversible Redox in CuS Nanosheet Cathodes for Magnesium Storage. <i>ACS Nano</i> , 2022, 16, 1578-1588.	14.6	40
122	Preparation of insoluble fibroin films without methanol treatment. <i>Journal of Applied Polymer Science</i> , 2005, 96, 2168-2173.	2.6	39
123	Strongly coupled mesoporous SnO <sub>2</sub> -graphene hybrid with enhanced electrochemical and photocatalytic activity. <i>RSC Advances</i> , 2013, 3, 11860.	3.6	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.	4.9	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.	5.2	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.	3.6	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.	7.8	38
128	Formation and optical properties of ZnO:ZnFe <sub>2</sub> O <sub>4</sub> superlattice microwires. Nano Research, 2010, 3, 326-338.	10.4	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.	2.6	38
130	Synthesis of three-dimensional WO <sub>3</sub> octahedra: characterization, optical and efficient photocatalytic properties. RSC Advances, 2014, 4, 37914-37920.	3.6	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.	5.5	38
132	Synthesis and characterization of crystalline gallium nitride nanoribbon rings. Journal of Crystal Growth, 2004, 263, 25-29.	1.5	37
133	Synthesis of hollow carbon nitride microspheres by an electrodeposition method. Applied Surface Science, 2010, 256, 2327-2331.	6.1	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.	5.5	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.	7.8	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.	1.8	36
137	Facile Conversion of Fe Nanotube Arrays to Novel $\hat{\Gamma}$ -Fe <sub>2</sub> O <sub>3</sub> Nanoparticle Nanotube Arrays and Their Magnetic Properties. Chemistry of Materials, 2008, 20, 1936-1940.	6.7	35
138	Synthesis, photoluminescence and field emission properties of well aligned/well patterned conical shape GaN nanorods. CrystEngComm, 2012, 14, 8492.	2.6	35
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