

Chuanbao Cao

List of Publications by Year in descending order

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352
papers

15,416
citations

16451

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citing authors

#	ARTICLE	IF	CITATIONS
1	Constructing defect-rich unconventional phase Cu ₇ S ₄ nanotubes via microwave-induced selective etching for ultra-stable rechargeable magnesium batteries. <i>Chemical Engineering Journal</i> , 2022, 430, 133108.	12.7	21
2	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
3	Microwave-assisted synthesis of metallic V ₆ O ₁₃ nanosheet as high-capacity cathode for magnesium storage. <i>Materials Letters</i> , 2022, 308, 131279.	2.6	6
4	Oxynitride Perovskite: Computational Approach to Correlate Structural, Electronic, and Optical Properties of c-BiAlO ₃ /N ₃ . <i>ACS Applied Electronic Materials</i> , 2022, 4, 375-385.	4.3	11
5	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
6	Engineering kinetics-favorable 2D graphene@CuS with long-term cycling stability for rechargeable magnesium batteries. <i>Electrochimica Acta</i> , 2022, 407, 139786.	5.2	15
7	General metal-organic framework-derived strategy to synthesize yolk-shell carbon-encapsulated nickelic spheres for sodium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2022, 613, 23-34.	9.4	16
8	A facile and simple microwave-assisted synthesis method for mesoporous ultrathin iron sulfide nanosheets as an efficient bifunctional electrocatalyst for overall water splitting. <i>Dalton Transactions</i> , 2022, 51, 6285-6292.	3.3	5
9	A computational study for mechanical, thermoelectric and optoelectronic applications of BiAlO ₃ under static pressure. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 168, 110819.	4.0	6
10	Electronic, optical and elastic properties of cubic zirconia (c-ZrO ₂) under pressure: A DFT study. <i>Physica B: Condensed Matter</i> , 2021, 604, 412462.	2.7	12
11	High-voltage P2-type manganese oxide cathode induced by titanium gradient modification for sodium ion batteries. <i>Chemical Engineering Journal</i> , 2021, 403, 126308.	12.7	33
12	Variable dimensional structure and interface design of g-C ₃ N ₄ /BiOI composites with oxygen vacancy for improving visible-light photocatalytic properties. <i>Journal of Cleaner Production</i> , 2021, 287, 125072.	9.3	93
13	Microwave-induced phase engineering of copper sulfide nanosheets for rechargeable magnesium batteries. <i>Electrochimica Acta</i> , 2021, 374, 137965.	5.2	25
14	Hierarchical nanosheet-assembled copper sulfide microspheres as the cathode materials for rechargeable magnesium batteries. <i>Electrochimica Acta</i> , 2021, 388, 138619.	5.2	14
15	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
16	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
17	Mitigating voltage decay of Li-Rich layer oxide cathode material via an ultrathin lithium ion pump heteroepitaxial surface modification. <i>Journal of Power Sources</i> , 2021, 511, 230427.	7.8	6
18	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

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19	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
20	Gallium vacancies role in hydrogen storage of single-crystalline GaN hexagonal micro-sheets. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 4731-4742.	7.1	18
21	Defect enhanced CoP/Reduced graphene oxide electrocatalytic hydrogen production with pt-like activity. <i>Applied Catalysis B: Environmental</i> , 2020, 265, 118576.	20.2	34
22	Electronic and optical behaviour of lanthanum doped CaTiO ₃ perovskite. <i>Materials Research Express</i> , 2020, 7, 015920.	1.6	28
23	Cobalt-doping SnS ₂ nanosheets towards high-performance anodes for sodium ion batteries. <i>Nanoscale</i> , 2020, 12, 248-255.	5.6	64
24	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
25	Cuprous Self-Doping Regulated Mesoporous CuS Nanotube Cathode Materials for Rechargeable Magnesium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 35035-35042.	8.0	68
26	Interpenetrated tunnel routes in silicon/carbon hollow sphere anodes to boost their lithium storage. <i>Materials Chemistry Frontiers</i> , 2020, 4, 2782-2790.	5.9	8
27	The improved performance of spinel LiMn ₂ O ₄ cathode with micro-nanostructured sphere-interconnected-tube morphology and surface orientation at extreme conditions for lithium-ion batteries. <i>Electrochimica Acta</i> , 2020, 358, 136901.	5.2	35
28	Preparation of a bifunctional ultrathin nickel phosphide nanosheet electrocatalyst for full water splitting. <i>Sustainable Energy and Fuels</i> , 2020, 4, 5294-5300.	4.9	16
29	Wafer-scale metal chalcogenide thin films <i>via</i> an ion exchange approach. <i>Journal of Materials Chemistry C</i> , 2020, 8, 14393-14401.	5.5	3
30	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
31	Facile synthesis of 3D silk fibroin scaffolds with tunable properties for regenerative medicine. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2020, 31, 1272-1286.	3.5	3
32	Diameter dependent optical and field emission properties of vanadium pentoxide nanobelts. <i>Ceramics International</i> , 2020, 46, 16135-16141.	4.8	5
33	Tuning Surface Electronic Structure of Two-Dimensional Cobalt-Based Hydroxide Nanosheets for Highly Efficient Water Oxidation. <i>ChemCatChem</i> , 2020, 12, 2823-2832.	3.7	24
34	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.	12.7	114
35	Theoretical study of the structural, electronic and magnetic properties of equiatomic quaternary CoTcCrZ (Z = Si, Ge, P) Heusler alloys. <i>Chinese Journal of Physics</i> , 2020, 64, 123-137.	3.9	23
36	Poly(vinylidene fluoride)/SiO ₂ 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

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37	The synergism of nanoplates with habit-tuned crystal and substitution of cobalt with titanium in Ni-rich $\text{LiNi}_0.80\text{Co}_0.15\text{Al}_0.05\text{O}_2$ cathode for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2020, 829, 154555.	5.5	15
38	Engineering yolk-shell P-doped NiS_2/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
39	Mo-Modified P2-type Manganese Oxide Nanoplates with an Oriented Stacking Structure and Exposed {010} Active Facets as a Long-Life Sodium-Ion Battery Cathode. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 30819-30827.	8.0	31
40	Bandgap-tunable phosphorus-doped monolayer graphene with enhanced visible-light photocatalytic H_2 -production activity. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10613-10622.	5.5	37
41	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
42	Ultrafast, Facile, and Scalable Microwave-Assisted Synthesis Method to Prepare Nickel Sulfide Nanosheets for High Energy Density Hybrid Capacitors. <i>ChemNanoMat</i> , 2019, 5, 1216-1224.	2.8	10
43	Implementation of magnesium doping in SrTiO_3 for correlating electronic, structural and optical properties: A DFT study. <i>Chinese Journal of Physics</i> , 2019, 62, 388-394.	3.9	11
44	Cobalt Phosphide Ultrathin and Freestanding Sheets Prepared through Microwave Chemical Vapor Deposition: A Highly Efficient Oxygen Evolution Reaction Catalyst. <i>ChemElectroChem</i> , 2019, 6, 5469-5478.	3.4	16
45	Anionic Se-Substitution toward High-Performance $\text{CuS}_{1-x}\text{Se}_x$ Nanosheet Cathode for Rechargeable Magnesium Batteries. <i>Small</i> , 2019, 15, e1902797.	10.0	53
46	P-type Boron-Doped Monolayer Graphene with Tunable Bandgap for Enhanced Photocatalytic H_2 Evolution under Visible-Light Irradiation. <i>ChemCatChem</i> , 2019, 11, 5145-5153.	3.7	20
47	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
48	N, P-co-doped carbon coupled with CoP as superior electrocatalysts for hydrogen evolution reaction and overall water splitting. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 24342-24352.	7.1	30
49	Microwave-Assisted Synthesis of CuS Hierarchical Nanosheets as the Cathode Material for High-Capacity Rechargeable Magnesium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 7046-7054.	8.0	101
50	Hierarchical flower-like spinel manganese-based oxide nanosheets for high-performance lithium ion battery. <i>Science China Materials</i> , 2019, 62, 1385-1392.	6.3	14
51	Hierarchical flower-like Fe_2O_3 mesoporous nanosheets with superior electrochemical lithium storage performance. <i>Journal of Energy Storage</i> , 2019, 23, 363-370.	8.1	22
52	Supported SnS_2 nanosheet array as binder-free anode for sodium ion batteries. <i>Electrochimica Acta</i> , 2019, 308, 174-184.	5.2	59
53	Solution growth of 1D zinc tungstate (ZnWO_4) 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
54	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

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55	A general strategy for the synthesis of two-dimensional holey nanosheets as cathodes for superior energy storage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8374-8381.	10.3	27
56	Scalable 2D Mesoporous Silicon Nanosheets for High-Performance Lithium-Ion Battery Anode. <i>Small</i> , 2018, 14, e1703361.	10.0	112
57	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.	10.3	108
58	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
59	A general synthetic strategy to monolayer graphene. <i>Nano Research</i> , 2018, 11, 3088-3095.	10.4	45
60	Li-rich nanoplates of $\text{Li}_{1.2}\text{Ni}_{0.13}\text{Co}_{0.13}\text{Mn}_{0.54}\text{O}_2$ layered oxide with exposed {010} planes as a high-performance cathode for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2018, 734, 301-306.	5.5	18
61	Scalable and general synthesis of spinel manganese-based cathodes with hierarchical yolk-shell structure and superior lithium storage properties. <i>Nano Research</i> , 2018, 11, 246-253.	10.4	14
62	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.	11.2	121
63	The way to improve the energy density of supercapacitors: Progress and perspective. <i>Science China Materials</i> , 2018, 61, 1517-1526.	6.3	102
64	Lithium-Ion Batteries: Scalable 2D Mesoporous Silicon Nanosheets for High-Performance Lithium-Ion Battery Anode (Small 12/2018). <i>Small</i> , 2018, 14, 1870053.	10.0	2
65	Effect of films morphology on the performance of Cu_2O PEC solar cells. <i>Optik</i> , 2018, 172, 72-78.	2.9	11
66	Toward Alleviating Voltage Decay by Sodium Substitution in Lithium-Rich Manganese-Based Oxide Cathodes. <i>ACS Applied Energy Materials</i> , 2018, 1, 4065-4074.	5.1	32
67	Atypical $\text{BiOCl}/\text{Bi}_2\text{S}_3$ hetero-structures exhibiting remarkable photo-catalyst response. <i>Science China Materials</i> , 2018, 61, 101-111.	6.3	16
68	Assembly-promoted photocatalysis: Three-dimensional assembly of $\text{CdS} \times \text{Se}$ ($x \approx 1$) quantum dots into nanospheres with enhanced photocatalytic performance. <i>Journal of Materiomics</i> , 2017, 3, 63-70.	5.7	3
69	$\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ nano-submicro cubes as high-performance 5 V cathode materials for lithium-ion batteries. <i>Electrochimica Acta</i> , 2017, 230, 293-298.	5.2	34
70	Facile synthesis of 3D hierarchical MnO_2 microspheres and their ultrahigh removal capacity for organic pollutants. <i>New Journal of Chemistry</i> , 2017, 41, 5794-5801.	2.8	14
71	Investigation of thermoelectric properties of novel cubic phase SnSe : A promising material for thermoelectric applications. <i>Journal of Alloys and Compounds</i> , 2017, 715, 438-444.	5.5	38
72	Mn oxidation state controllable spinel manganese-based intergrown cathode for excellent reversible lithium storage. <i>Journal of Power Sources</i> , 2017, 359, 295-302.	7.8	14

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73	Silicon hollow sphere anode with enhanced cycling stability by a template-free method. <i>Nanotechnology</i> , 2017, 28, 165404.	2.6	31
74	3D hierarchical MnO ₂ 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
75	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
76	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
77	Popcorn-Derived Porous Carbon Flakes with an Ultrahigh Specific Surface Area for Superior Performance Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 30626-30634.	8.0	227
78	General Strategy for Two-Dimensional Transition Metal Dichalcogenides by Ion Exchange. <i>Chemistry of Materials</i> , 2017, 29, 10019-10026.	6.7	18
79	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.	7.8	104
80	Elastic, electronic and optical properties of anatase TiO ₂ under pressure: A DFT approach. <i>Chinese Journal of Physics</i> , 2017, 55, 1252-1263.	3.9	15
81	Optical and electrical characterization of ZnO/CuO heterojunction solar cells. <i>Optik</i> , 2017, 130, 372-377.	2.9	30
82	Hierarchical LiMn ₂ O ₄ Hollow Cubes with Exposed {111} Planes as High-Power Cathodes for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 19567-19572.	8.0	48
83	Tumor-Targeted Multimodal Optical Imaging with Versatile Cadmium-Free Quantum Dots. <i>Advanced Functional Materials</i> , 2016, 26, 267-276.	14.9	65
84	Mesoporous Spinel LiMn ₂ O ₄ Cathode Material by a Soft-templating Route. <i>Electrochimica Acta</i> , 2016, 199, 51-58.	5.2	42
85	Facile design and synthesis of Li-rich nanoplates cathodes with habit-tuned crystal for lithium ion batteries. <i>Journal of Power Sources</i> , 2016, 333, 37-42.	7.8	31
86	Template-free synthesis of highly ordered 3D-hollow hierarchical Nb ₂ O ₅ superstructures as an asymmetric supercapacitor by using inorganic electrolyte. <i>Electrochimica Acta</i> , 2016, 216, 332-338.	5.2	47
87	A high performance solid state asymmetric supercapacitor device based upon NiCo ₂ O ₄ nanosheets//MnO ₂ microspheres. <i>RSC Advances</i> , 2016, 6, 70292-70302.	3.6	20
88	Floating photocatalyst of Bi ³⁺ /TiO ₂ /expanded perlite: a sol-gel synthesis with optimized mesoporous and high photocatalytic activity. <i>Scientific Reports</i> , 2016, 6, 29902.	3.3	53
89	Microwave Assisted Synthesis of Porous NiCo ₂ O ₄ Microspheres: Application as High Performance Asymmetric and Symmetric Supercapacitors with Large Areal Capacitance. <i>Scientific Reports</i> , 2016, 6, 22699.	3.3	178
90	Site-Specific Growth of Au on CdS _x Se _{1-x} Yields Anisotropic Heteronanocrystals with Enhanced Photocatalysis Performance. <i>Particle and Particle Systems Characterization</i> , 2016, 33, 512-518.	2.3	2

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91	Solid waste for energy storage material as electrode of supercapacitors. <i>Materials Letters</i> , 2016, 181, 191-195.	2.6	12
92	A high-rate and long cycling life cathode for rechargeable lithium-ion batteries: hollow LiNi _{0.5} Mn _{0.5} O ₂ nano/micro hierarchical microspheres. <i>Electrochimica Acta</i> , 2016, 191, 974-979.	5.2	28
93	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
94	Porous lithium nickel cobalt manganese oxide hierarchical nanosheets as high rate capability cathodes for lithium ion batteries. <i>Journal of Power Sources</i> , 2016, 307, 731-737.	7.8	26
95	Hierarchical mesoporous NiCo ₂ O ₄ hollow nanocubes for supercapacitors. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 6268-6274.	2.8	51
96	Carbon-wrapped TiO ₂ 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
97	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
98	A facile one-step fabrication of novel WO ₃ /Fe ₂ (WO ₄) ₃ ·10.7H ₂ O porous microplates with remarkable photocatalytic activities. <i>CrystEngComm</i> , 2015, 17, 4809-4817.	2.6	16
99	Microwave assisted synthesis of mesoporous NiCo ₂ O ₄ nanosheets as electrode material for advanced flexible supercapacitors. <i>RSC Advances</i> , 2015, 5, 33146-33154.	3.6	65
100	Facile synthesis of single crystalline mesoporous hematite nanorods with enhanced supercapacitive performance. <i>Electrochimica Acta</i> , 2015, 155, 257-262.	5.2	28
101	Chrysanthemum-like TiO ₂ 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
102	Microwave-Assisted and Gram-Scale Synthesis of Ultrathin SnO ₂ Nanosheets with Enhanced Lithium Storage Properties. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 2745-2753.	8.0	127
103	Silk-regulated hierarchical hollow magnetite/carbon nanocomposite spheroids for lithium-ion battery anodes. <i>Nanotechnology</i> , 2015, 26, 115603.	2.6	14
104	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
105	Cube-shaped hierarchical LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ 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
106	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
107	One Dimensional Graphitic Carbon Nitrides as Effective Metal-Free Oxygen Reduction Catalysts. <i>Scientific Reports</i> , 2015, 5, 12389.	3.3	81
108	Novel Zn ₂ V ₂ O ₇ hierarchical nanostructures: Optical and hydrogen storage properties. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 9359-9364.	7.1	23

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109	Microwave-assisted and large-scale synthesis of SnO ₂ /carbon-nanotube hybrids with high lithium storage capacity. RSC Advances, 2015, 5, 58568-58573.	3.6	44
110	In situ formed Bi/BiOBr _x /I _{1-x} heterojunction of hierarchical microspheres for efficient visible-light photocatalytic activity. Physical Chemistry Chemical Physics, 2015, 17, 13347-13354.	2.8	70
111	Role of anions on structure and pseudocapacitive performance of metal double hydroxides decorated with nitrogen-doped graphene. Science China Materials, 2015, 58, 114-125.	6.3	27
112	Fabrication of ZnV ₂ O ₆ nanostructures: Their energy storage and PL properties. Materials Letters, 2015, 155, 15-17.	2.6	31
113	Hierarchical Porous Nitrogen-Doped Carbon Nanosheets Derived from Silk for Ultrahigh-Capacity Battery Anodes and Supercapacitors. ACS Nano, 2015, 9, 2556-2564.	14.6	1,375
114	Fabrication of V ₂ O ₅ super long nanobelts: optical, in situ electrical and field emission properties. New Journal of Chemistry, 2015, 39, 5197-5202.	2.8	30
115	Two-dimensional ultrathin ZnCo ₂ O ₄ nanosheets: general formation and lithium storage application. Journal of Materials Chemistry A, 2015, 3, 9556-9564.	10.3	168
116	Bifunctional catalysts of Co ₃ O ₄ @GCN tubular nanostructured (TNS) hybrids for oxygen and hydrogen evolution reactions. Nano Research, 2015, 8, 3725-3736.	10.4	117
117	Remarkable electrochemical lithium storage behaviour of two-dimensional ultrathin Ni(OH) ₂ nanosheets. RSC Advances, 2015, 5, 83757-83763.	3.6	29
118	A novel Z-scheme WO ₃ /CdWO ₄ photocatalyst with enhanced visible-light photocatalytic activity for the degradation of organic pollutants. RSC Advances, 2015, 5, 6019-6026.	3.6	104
119	Rigid three-dimensional Ni ₃ S ₄ nanosheet frames: controlled synthesis and their enhanced electrochemical performance. RSC Advances, 2015, 5, 8422-8426.	3.6	70
120	Synthesis of CuS flowers exhibiting versatile photo-catalyst response. New Journal of Chemistry, 2015, 39, 1459-1468.	2.8	72
121	Chlorine-doped carbonated cobalt hydroxide for supercapacitors with enormously high pseudocapacitive performance and energy density. Nano Energy, 2015, 11, 267-276.	16.0	121
122	Hydrothermal synthesis and magneto-optical properties of Ni-doped ZnO hexagonal columns. Journal of Magnetism and Magnetic Materials, 2015, 377, 308-313.	2.3	11
123	Controllable synthesis of porous TiO ₂ with a hierarchical nanostructure for efficient photocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2015, 3, 3710-3718.	10.3	33
124	Novel Nano-Flowers of Nb ₂ O ₅ by Template Free Synthesis and Enhanced Photocatalytic Response Under Visible Light. Science of Advanced Materials, 2015, 7, 1298-1303.	0.7	20
125	Voltage-Added n-p Regenerative Photoelectrochemical Cells. Nanoscience and Nanotechnology Letters, 2015, 7, 571-577.	0.4	0
126	Magnetic domain-wall motion twisted by nanoscale probe-induced spin transfer. Physical Review B, 2014, 90, .	3.2	16

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127	VLS and VS effect on ferromagnetic behaviour of SnO ₂ nanobelts. Journal of Experimental Nanoscience, 2014, 9, 17-26.	2.4	7
128	Synthesis of crystalline CoFe nanowire arrays through high voltage pulsed electrochemical deposition. Journal of Magnetism and Magnetic Materials, 2014, 363, 95-102.	2.3	7
129	High-performance supercapacitor electrode based on amorphous mesoporous Ni(OH) ₂ nanoboxes. Journal of Power Sources, 2014, 262, 344-348.	7.8	133
130	Synthesis, evolution and hydrogen storage properties of ZnV ₂ O ₄ glomerulus nano/microspheres: A prospective material for energy storage. International Journal of Hydrogen Energy, 2014, 39, 7842-7851.	7.1	55
131	Surface-enabled superior lithium storage of high-quality ultrathin NiO nanosheets. Journal of Materials Chemistry A, 2014, 2, 7904.	10.3	132
132	Effect of the morphology of CuS upon the photocatalytic degradation of organic dyes. RSC Advances, 2014, 4, 63447-63456.	3.6	58
133	Cobalt ferrite sphere-coated buckhorn-like barium titanate: Fabrication, characterization, its dielectric resonance, and microwave attenuation properties. Journal of Applied Physics, 2014, 116, 144106.	2.5	3
134	Lithium Titanate Epitaxial Coating on Spinel Lithium Manganese Oxide Surface for Improving the Performance of Lithium Storage Capability. ACS Applied Materials & Interfaces, 2014, 6, 18742-18750.	8.0	59
135	The superelastic mechanism of Si ₃ N ₄ microspheres using micro-Raman spectroscopy. Physical Chemistry Chemical Physics, 2014, 16, 14808.	2.8	7
136	The synergistic effect between WO ₃ and g-C ₃ N ₄ towards efficient visible-light-driven photocatalytic performance. New Journal of Chemistry, 2014, 38, 5462-5469.	2.8	69
137	Synthesis of three-dimensional WO ₃ octahedra: characterization, optical and efficient photocatalytic properties. RSC Advances, 2014, 4, 37914-37920.	3.6	38
138	Enhanced electrochemical performance of ball milled CoO for supercapacitor applications. Journal of Materials Chemistry A, 2014, 2, 16467-16473.	10.3	112
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