

# Chuanbao Cao

## List of Publications by Year in Descending Order

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**Version:** 2024-04-19

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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.

342  
papers

12,331  
citations

56  
h-index

91  
g-index

353  
ext. papers

13,871  
ext. citations

5.6  
avg, IF

6.77  
L-index

#	Paper	IF	Citations
342	Oxynitride Perovskite: Computational Approach to Correlate Structural, Electronic, and Optical Properties of $c\text{-BiAlO}_3/\text{N}_3$ . <i>ACS Applied Electronic Materials</i> , <b>2022</b> , 4, 375-385	4	3
341	Anionic Te-Substitution Boosting the Reversible Redox in CuS Nanosheet Cathodes for Magnesium Storage.. <i>ACS Nano</i> , <b>2022</b> ,	16.7	2
340	Engineering kinetics-favorable 2D graphene@CuS with long-term cycling stability for rechargeable magnesium batteries. <i>Electrochimica Acta</i> , <b>2022</b> , 407, 139786	6.7	2
339	Constructing defect-rich unconventional phase $\text{Cu}_7.2\text{S}_4$ nanotubes via microwave-induced selective etching for ultra-stable rechargeable magnesium batteries. <i>Chemical Engineering Journal</i> , <b>2022</b> , 430, 133108	14.7	3
338	Facile One-Step Microwave-Assisted Method to Synthesize Nickel Selenide Nanosheets for High-Performance Hybrid Supercapacitor. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 608, 1005-1014	9.3	5
337	A computational study for mechanical, thermoelectric and optoelectronic applications of $\text{BiAlO}_3$ under static pressure. <i>Journal of Physics and Chemistry of Solids</i> , <b>2022</b> , 110819	3.9	0
336	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> , <b>2021</b> , 613, 23-34	9.3	2
335	Microwave-assisted synthesis of metallic $\text{V}_6\text{O}_{13}$ nanosheet as high-capacity cathode for magnesium storage. <i>Materials Letters</i> , <b>2021</b> , 308, 131279	3.3	1
334	Variable dimensional structure and interface design of g-C $_3\text{N}_4$ /BiOI composites with oxygen vacancy for improving visible-light photocatalytic properties. <i>Journal of Cleaner Production</i> , <b>2021</b> , 287, 125072	10.3	26
333	Microwave-induced phase engineering of copper sulfide nanosheets for rechargeable magnesium batteries. <i>Electrochimica Acta</i> , <b>2021</b> , 374, 137965	6.7	8
332	Electronic, optical and elastic properties of cubic zirconia ( $c\text{-ZrO}_2$ ) under pressure: A DFT study. <i>Physica B: Condensed Matter</i> , <b>2021</b> , 604, 412462	2.8	4
331	High-voltage P2-type manganese oxide cathode induced by titanium gradient modification for sodium ion batteries. <i>Chemical Engineering Journal</i> , <b>2021</b> , 403, 126308	14.7	11
330	Hierarchical nanosheet-assembled copper sulfide microspheres as the cathode materials for rechargeable magnesium batteries. <i>Electrochimica Acta</i> , <b>2021</b> , 388, 138619	6.7	4
329	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> , <b>2021</b> , 41, 581-587	19.4	14
328	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> , <b>2021</b> , 511, 230427	8.9	3
327	High-valence Ni and Fe sites on sulfated NiFe-LDH nanosheets to enhance O-O coupling for water oxidation. <i>Chemical Engineering Journal</i> , <b>2021</b> , 426, 130873	14.7	16
326	Constructing sheet-assembled hollow CuSe nanocubes to boost the rate capability of rechargeable magnesium batteries. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 3648-3656	13	18

325	Wafer-scale metal chalcogenide thin films via an ion exchange approach. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 14393-14401	7.1	1
324	Advances and challenges in metal-organic framework derived porous materials for batteries and electrocatalysis. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 24895-24919	13	38
323	Facile synthesis of 3D silk fibroin scaffolds with tunable properties for regenerative medicine. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2020</b> , 31, 1272-1286	3.5	1
322	Diameter dependent optical and field emission properties of vanadium pentoxide nanobelts. <i>Ceramics International</i> , <b>2020</b> , 46, 16135-16141	5.1	3
321	Tuning Surface Electronic Structure of Two-Dimensional Cobalt-Based Hydroxide Nanosheets for Highly Efficient Water Oxidation. <i>ChemCatChem</i> , <b>2020</b> , 12, 2823-2832	5.2	16
320	Remarkable cycling durability of lithium-sulfur batteries with interconnected mesoporous hollow carbon nanospheres as high sulfur content host. <i>Chemical Engineering Journal</i> , <b>2020</b> , 401, 126141	14.7	61
319	Biosensors for Detection of Marine Toxins <b>2020</b> , 329-356		3
318	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> , <b>2020</b> , 64, 123-137	3.5	14
317	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> , <b>2020</b> , 451, 227759	8.9	23
316	The synergism of nanoplates with habit-tuned crystal and substitution of cobalt with titanium in Ni-rich LiNi <sub>0.80</sub> Co <sub>0.15</sub> Al <sub>0.05</sub> O <sub>2</sub> cathode for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 829, 154555	5.7	11
315	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> , <b>2020</b> , 8, 8612-8619	13	42
314	Gallium vacancies role in hydrogen storage of single-crystalline GaN hexagonal micro-sheets. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 4731-4742	6.7	11
313	Defect enhanced CoP/Reduced graphene oxide electrocatalytic hydrogen production with pt-like activity. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 265, 118576	21.8	26
312	Electronic and optical behaviour of lanthanum doped CaTiO <sub>3</sub> perovskite. <i>Materials Research Express</i> , <b>2020</b> , 7, 015920	1.7	12
311	Cobalt-doping SnS nanosheets towards high-performance anodes for sodium ion batteries. <i>Nanoscale</i> , <b>2020</b> , 12, 248-255	7.7	43
310	Rapid and simplistic microwave assisted method to synthesise cobalt selenide nanosheets; a prospective material for high performance hybrid supercapacitor. <i>Applied Surface Science</i> , <b>2020</b> , 505, 144618	6.7	25
309	Cuprous Self-Doping Regulated Mesoporous CuS Nanotube Cathode Materials for Rechargeable Magnesium Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 35035-35042	9.5	28
308	Interpenetrated tunnel routes in silicon/carbon hollow sphere anodes to boost their lithium storage. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 2782-2790	7.8	6

307	The improved performance of spinel LiMn <sub>2</sub> O <sub>4</sub> cathode with micro-nanostructured sphere-interconnected-tube morphology and surface orientation at extreme conditions for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2020</b> , 358, 136901	6.7	17
306	Preparation of a bifunctional ultrathin nickel phosphide nanosheet electrocatalyst for full water splitting. <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 5294-5300	5.8	5
305	Anionic Se-Substitution toward High-Performance CuS Se Nanosheet Cathode for Rechargeable Magnesium Batteries. <i>Small</i> , <b>2019</b> , 15, e1902797	11	34
304	P-Type Boron-Doped Monolayer Graphene with Tunable Bandgap for Enhanced Photocatalytic H <sub>2</sub> Evolution under Visible-Light Irradiation. <i>ChemCatChem</i> , <b>2019</b> , 11, 5145-5153	5.2	12
303	Microwave-assisted synthesis of CuSe nano-particles as a high -performance cathode for rechargeable magnesium batteries. <i>Electrochimica Acta</i> , <b>2019</b> , 324, 134864	6.7	29
302	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> , <b>2019</b> , 44, 24342-24352	6.7	19
301	Microwave-Assisted Synthesis of CuS Hierarchical Nanosheets as the Cathode Material for High-Capacity Rechargeable Magnesium Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 7046-7054	9.5	60
300	Hierarchical flower-like spinel manganese-based oxide nanosheets for high-performance lithium ion battery. <i>Science China Materials</i> , <b>2019</b> , 62, 1385-1392	7.1	9
299	Hierarchical flower-like Fe <sub>2</sub> O <sub>3</sub> mesoporous nanosheets with superior electrochemical lithium storage performance. <i>Journal of Energy Storage</i> , <b>2019</b> , 23, 363-370	7.8	12
298	Supported SnS <sub>2</sub> nanosheet array as binder-free anode for sodium ion batteries. <i>Electrochimica Acta</i> , <b>2019</b> , 308, 174-184	6.7	42
297	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 &amp; Interfaces</i> , <b>2019</b> , 11, 30819-30827	9.5	17
296	Bandgap-tunable phosphorus-doped monolayer graphene with enhanced visible-light photocatalytic H <sub>2</sub> -production activity. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 10613-10622	7.1	23
295	Template free and facile microwave-assisted synthesis method to prepare mesoporous copper sulfide nanosheets for high-performance hybrid supercapacitor. <i>Electrochimica Acta</i> , <b>2019</b> , 319, 49-60	6.7	24
294	Ultrafast, Facile, and Scalable Microwave-Assisted Synthesis Method to Prepare Nickel Sulfide Nanosheets for High Energy Density Hybrid Capacitors. <i>ChemNanoMat</i> , <b>2019</b> , 5, 1216-1224	3.5	6
293	Implementation of magnesium doping in SrTiO <sub>3</sub> for correlating electronic, structural and optical properties: A DFT study. <i>Chinese Journal of Physics</i> , <b>2019</b> , 62, 388-394	3.5	6
292	Cobalt Phosphide Ultrathin and Freestanding Sheets Prepared through Microwave Chemical Vapor Deposition: A Highly Efficient Oxygen Evolution Reaction Catalyst. <i>ChemElectroChem</i> , <b>2019</b> , 6, 5469-5478	4.3	7
291	Solution growth of 1D zinc tungstate (ZnWO) nanowires; design, morphology, and electrochemical sensor fabrication for selective detection of chloramphenicol. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 367, 205-214	12.8	40
290	Microwave-anion-exchange route to ultrathin cobalt-nickel-sulfide nanosheets for hybrid supercapacitors. <i>Chemical Engineering Journal</i> , <b>2019</b> , 362, 576-587	14.7	51

289	A general strategy for the synthesis of two-dimensional holey nanosheets as cathodes for superior energy storage. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 8374-8381	13	21
288	Scalable 2D Mesoporous Silicon Nanosheets for High-Performance Lithium-Ion Battery Anode. <i>Small</i> , <b>2018</b> , 14, e1703361	11	82
287	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> , <b>2018</b> , 6, 7592-7607	13	73
286	Lantern-like bismuth oxyiodide embedded typha-based carbon via in situ self-template and ion exchange-recrystallization for high-performance photocatalysis. <i>Dalton Transactions</i> , <b>2018</b> , 47, 6692-6704	4.3	29
285	A general synthetic strategy to monolayer graphene. <i>Nano Research</i> , <b>2018</b> , 11, 3088-3095	10	36
284	Lithium-Ion Batteries: Scalable 2D Mesoporous Silicon Nanosheets for High-Performance Lithium-Ion Battery Anode (Small 12/2018). <i>Small</i> , <b>2018</b> , 14, 1870053	11	0
283	Effect of films morphology on the performance of Cu <sub>2</sub> O PEC solar cells. <i>Optik</i> , <b>2018</b> , 172, 72-78	2.5	7
282	Toward Alleviating Voltage Decay by Sodium Substitution in Lithium-Rich Manganese-Based Oxide Cathodes. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 4065-4074	6.1	24
281	Atypical BiOCl/Bi <sub>2</sub> S <sub>3</sub> hetero-structures exhibiting remarkable photo-catalyst response. <i>Science China Materials</i> , <b>2018</b> , 61, 101-111	7.1	11
280	Li-rich nanoplates of Li <sub>1.2</sub> Ni <sub>0.13</sub> Co <sub>0.13</sub> Mn <sub>0.54</sub> O <sub>2</sub> layered oxide with exposed {010} planes as a high-performance cathode for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 734, 301-308	5.7	12
279	Scalable and general synthesis of spinel manganese-based cathodes with hierarchical yolk-shell structure and superior lithium storage properties. <i>Nano Research</i> , <b>2018</b> , 11, 246-253	10	13
278	One-Pot Pyrolysis to N-Doped Graphene with High-Density Pt Single Atomic Sites as Heterogeneous Catalyst for Alkene Hydrosilylation. <i>ACS Catalysis</i> , <b>2018</b> , 8, 10004-10011	13.1	75
277	The way to improve the energy density of supercapacitors: Progress and perspective. <i>Science China Materials</i> , <b>2018</b> , 61, 1517-1526	7.1	51
276	Assembly-promoted photocatalysis: Three-dimensional assembly of CdS x Se 1 <sub>x</sub> (x=0-1) quantum dots into nanospheres with enhanced photocatalytic performance. <i>Journal of Materiomics</i> , <b>2017</b> , 3, 63-70	6.7	2
275	LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> nano-submicro cubes as high-performance 5 V cathode materials for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2017</b> , 230, 293-298	6.7	26
274	Facile synthesis of 3D hierarchical MnO <sub>2</sub> microspheres and their ultrahigh removal capacity for organic pollutants. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 5794-5801	3.6	14
273	Investigation of thermoelectric properties of novel cubic phase SnSe: A promising material for thermoelectric applications. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 715, 438-444	5.7	33
272	Mn oxidation state controllable spinel manganese-based intergrown cathode for excellent reversible lithium storage. <i>Journal of Power Sources</i> , <b>2017</b> , 359, 295-302	8.9	12

271	Silicon hollow sphere anode with enhanced cycling stability by a template-free method. <i>Nanotechnology</i> , <b>2017</b> , 28, 165404	3.4	30
270	3D hierarchical MnO <sub>2</sub> microspheres: a prospective material for high performance supercapacitors and lithium-ion batteries. <i>Sustainable Energy and Fuels</i> , <b>2017</b> , 1, 1795-1804	5.8	31
269	Micro and nano hierarchical structures of BiOI/activated carbon for efficient visible-light-photocatalytic reactions. <i>Scientific Reports</i> , <b>2017</b> , 7, 11665	4.9	42
268	Microwave-assisted preparation of hollow porous carbon spheres and as anode of lithium-ion batteries. <i>Microporous and Mesoporous Materials</i> , <b>2017</b> , 251, 114-121	5.3	34
267	Popcorn-Derived Porous Carbon Flakes with an Ultrahigh Specific Surface Area for Superior Performance Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 30626-30634	9.5	170
266	General Strategy for Two-Dimensional Transition Metal Dichalcogenides by Ion Exchange. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 10019-10026	9.6	14
265	Tunable porous structure of carbon nanosheets derived from puffed rice for high energy density supercapacitors. <i>Journal of Power Sources</i> , <b>2017</b> , 371, 148-155	8.9	73
264	Elastic, electronic and optical properties of anatase TiO <sub>2</sub> under pressure: A DFT approach. <i>Chinese Journal of Physics</i> , <b>2017</b> , 55, 1252-1263	3.5	10
263	Optical and electrical characterization of ZnO/CuO heterojunction solar cells. <i>Optik</i> , <b>2017</b> , 130, 372-377	2.5	23
262	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> , <b>2016</b> , 216, 332-338	6.7	40
261	A high performance solid state asymmetric supercapacitor device based upon NiCo <sub>2</sub> O <sub>4</sub> nanosheets//MnO <sub>2</sub> microspheres. <i>RSC Advances</i> , <b>2016</b> , 6, 70292-70302	3.7	15
260	Floating photocatalyst of B-N-TiO <sub>2</sub> /expanded perlite: a sol-gel synthesis with optimized mesoporous and high photocatalytic activity. <i>Scientific Reports</i> , <b>2016</b> , 6, 29902	4.9	42
259	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> , <b>2016</b> , 6, 22699	4.9	138
258	Site-Specific Growth of Au on CdS <sub>x</sub> Se <sub>1-x</sub> Yields Anisotropic Heteronanocrystals with Enhanced Photocatalysis Performance. <i>Particle and Particle Systems Characterization</i> , <b>2016</b> , 33, 512-518	3.1	2
257	Solid waste for energy storage material as electrode of supercapacitors. <i>Materials Letters</i> , <b>2016</b> , 181, 191-195	3.3	8
256	A high-rate and long cycling life cathode for rechargeable lithium-ion batteries: hollow LiNi <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>2</sub> nano/micro hierarchical microspheres. <i>Electrochimica Acta</i> , <b>2016</b> , 191, 974-979	6.7	22
255	A co-sol-emulsion-gel synthesis of tunable and uniform hollow carbon nanospheres with interconnected mesoporous shells. <i>Nanoscale</i> , <b>2016</b> , 8, 451-7	7.7	70
254	Porous lithium nickel cobalt manganese oxide hierarchical nanosheets as high rate capability cathodes for lithium ion batteries. <i>Journal of Power Sources</i> , <b>2016</b> , 307, 731-737	8.9	18



253	Hierarchical mesoporous NiCo <sub>2</sub> O <sub>4</sub> hollow nanocubes for supercapacitors. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 6268-74	3.6	43
252	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> , <b>2016</b> , 302, 259-265	8.9	35
251	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> , <b>2016</b> , 8, 19567-72	9.5	39
250	Tumor-Targeted Multimodal Optical Imaging with Versatile Cadmium-Free Quantum Dots. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 267-276	15.6	53
249	Mesoporous Spinel LiMn <sub>2</sub> O <sub>4</sub> Cathode Material by a Soft-templating Route. <i>Electrochimica Acta</i> , <b>2016</b> , 199, 51-58	6.7	32
248	Facile design and synthesis of Li-rich nanoplates cathodes with habit-tuned crystal for lithium ion batteries. <i>Journal of Power Sources</i> , <b>2016</b> , 333, 37-42	8.9	27
247	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> , <b>2015</b> , 7, 2745-53	9.5	109
246	Silk-regulated hierarchical hollow magnetite/carbon nanocomposite spheroids for lithium-ion battery anodes. <i>Nanotechnology</i> , <b>2015</b> , 26, 115603	3.4	13
245	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> , <b>2015</b> , 3, 6878-6883	13	138
244	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> , <b>2015</b> , 3, 15523-15528	13	45
243	A Simple Synthesis of Two-Dimensional Ultrathin Nickel Cobaltite Nanosheets for Electrochemical Lithium Storage. <i>Electrochimica Acta</i> , <b>2015</b> , 176, 141-148	6.7	45
242	One Dimensional Graphitic Carbon Nitrides as Effective Metal-Free Oxygen Reduction Catalysts. <i>Scientific Reports</i> , <b>2015</b> , 5, 12389	4.9	70
241	Novel Zn <sub>2</sub> V <sub>2</sub> O <sub>7</sub> hierarchical nanostructures: Optical and hydrogen storage properties. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 9359-9364	6.7	21
240	Microwave-assisted and large-scale synthesis of SnO <sub>2</sub> /carbon-nanotube hybrids with high lithium storage capacity. <i>RSC Advances</i> , <b>2015</b> , 5, 58568-58573	3.7	36
239	In situ formed Bi/BiOBr <sub>1-x</sub> heterojunction of hierarchical microspheres for efficient visible-light photocatalytic activity. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 13347-54	3.6	61
238	Role of anions on structure and pseudocapacitive performance of metal double hydroxides decorated with nitrogen-doped graphene. <i>Science China Materials</i> , <b>2015</b> , 58, 114-125	7.1	22
237	Fabrication of ZnV <sub>2</sub> O <sub>6</sub> nanostructures: Their energy storage and PL properties. <i>Materials Letters</i> , <b>2015</b> , 155, 15-17	3.3	23
236	Hierarchical porous nitrogen-doped carbon nanosheets derived from silk for ultrahigh-capacity battery anodes and supercapacitors. <i>ACS Nano</i> , <b>2015</b> , 9, 2556-64	16.7	1164

235	Fabrication of V <sub>2</sub> O <sub>5</sub> super long nanobelts: optical, in situ electrical and field emission properties. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 5197-5202	3.6	27
234	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> , <b>2015</b> , 3, 9556-9564	13	152
233	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> , <b>2015</b> , 8, 3725-3736	10	86
232	Remarkable electrochemical lithium storage behaviour of two-dimensional ultrathin Ni(OH) <sub>2</sub> nanosheets. <i>RSC Advances</i> , <b>2015</b> , 5, 83757-83763	3.7	23
231	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> , <b>2015</b> , 5, 6019-6026	3.7	89
230	Rigid three-dimensional Ni <sub>3</sub> S <sub>4</sub> nanosheet frames: controlled synthesis and their enhanced electrochemical performance. <i>RSC Advances</i> , <b>2015</b> , 5, 8422-8426	3.7	64
229	Synthesis of CuS flowers exhibiting versatile photo-catalyst response. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 1459-1468	3.6	66
228	Chlorine-doped carbonated cobalt hydroxide for supercapacitors with enormously high pseudocapacitive performance and energy density. <i>Nano Energy</i> , <b>2015</b> , 11, 267-276	17.1	89
227	Hydrothermal synthesis and magneto-optical properties of Ni-doped ZnO hexagonal columns. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2015</b> , 377, 308-313	2.8	9
226	Controllable synthesis of porous TiO <sub>2</sub> with a hierarchical nanostructure for efficient photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 3710-3718	13	31
225	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> , <b>2015</b> , 21, 14022-9	4.8	66
224	A facile one-step fabrication of novel WO <sub>3</sub> /Fe <sub>2</sub> (WO <sub>4</sub> ) <sub>3</sub> ·0.7H <sub>2</sub> O porous microplates with remarkable photocatalytic activities. <i>CrystEngComm</i> , <b>2015</b> , 17, 4809-4817	3.3	14
223	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> , <b>2015</b> , 5, 33146-33154	3.7	52
222	Facile synthesis of single crystalline mesoporous hematite nanorods with enhanced supercapacitive performance. <i>Electrochimica Acta</i> , <b>2015</b> , 155, 257-262	6.7	25
221	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> , <b>2015</b> , 3, 6402-6407	13	39
220	Novel Nano-Flowers of Nb <sub>2</sub> O <sub>5</sub> by Template Free Synthesis and Enhanced Photocatalytic Response Under Visible Light. <i>Science of Advanced Materials</i> , <b>2015</b> , 7, 1298-1303	2.3	16
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215	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> , <b>2014</b> , 39, 7842-7851	6.7	49
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207	Enhanced electrochemical performance of ball milled CoO for supercapacitor applications. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 16467-16473	13	94
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