

Xiong Wen David Lou

List of Publications by Year in descending order

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411
papers

122,222
citations

23

205
h-index

140

341
g-index

424
all docs

424
docs citations

424
times ranked

59469
citing authors

#	ARTICLE	IF	CITATIONS
1	Hollow Micro-/Nanostructures: Synthesis and Applications. <i>Advanced Materials</i> , 2008, 20, 3987-4019.	11.1	2,820
2	Defect-Rich MoS ₂ Ultrathin Nanosheets with Additional Active Edge Sites for Enhanced Electrocatalytic Hydrogen Evolution. <i>Advanced Materials</i> , 2013, 25, 5807-5813.	11.1	2,705
3	Recent Advances in Metal Oxide-based Electrode Architecture Design for Electrochemical Energy Storage. <i>Advanced Materials</i> , 2012, 24, 5166-5180.	11.1	2,251
4	Mixed Transition-Metal Oxides: Design, Synthesis, and Energy-Related Applications. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1488-1504.	7.2	2,019
5	A metal-organic framework-derived bifunctional oxygen electrocatalyst. <i>Nature Energy</i> , 2016, 1, .	19.8	1,974
6	Ultrathin Mesoporous NiCo ₂ O ₄ Nanosheets Supported on Ni Foam as Advanced Electrodes for Supercapacitors. <i>Advanced Functional Materials</i> , 2012, 22, 4592-4597.	7.8	1,545
7	Metal Oxide Hollow Nanostructures for Lithium-ion Batteries. <i>Advanced Materials</i> , 2012, 24, 1903-1911.	11.1	1,414
8	Constructing Hierarchical Spheres from Large Ultrathin Anatase TiO ₂ Nanosheets with Nearly 100% Exposed (001) Facets for Fast Reversible Lithium Storage. <i>Journal of the American Chemical Society</i> , 2010, 132, 6124-6130.	6.6	1,215
9	Porous molybdenum carbide nano-octahedrons synthesized via confined carburization in metal-organic frameworks for efficient hydrogen production. <i>Nature Communications</i> , 2015, 6, 6512.	5.8	1,194
10	Formation of nickel cobalt sulfide ball-in-ball hollow spheres with enhanced electrochemical pseudocapacitive properties. <i>Nature Communications</i> , 2015, 6, 6694.	5.8	1,101
11	Designed Formation of Co ₃ O ₄ /NiCo ₂ O ₄ Double-Shelled Nanocages with Enhanced Pseudocapacitive and Electrocatalytic Properties. <i>Journal of the American Chemical Society</i> , 2015, 137, 5590-5595.	6.6	1,059
12	Designed Synthesis of Coaxial SnO ₂ @carbon Hollow Nanospheres for Highly Reversible Lithium Storage. <i>Advanced Materials</i> , 2009, 21, 2536-2539.	11.1	1,013
13	Nanostructured metal oxide-based materials as advanced anodes for lithium-ion batteries. <i>Nanoscale</i> , 2012, 4, 2526.	2.8	1,012
14	Engineering bunched Pt-Ni alloy nanocages for efficient oxygen reduction in practical fuel cells. <i>Science</i> , 2019, 366, 850-856.	6.0	1,005
15	General Solution Growth of Mesoporous NiCo ₂ O ₄ Nanosheets on Various Conductive Substrates as High-Performance Electrodes for Supercapacitors. <i>Advanced Materials</i> , 2013, 25, 976-979.	11.1	963
16	Formation of Fe ₂ O ₃ Microboxes with Hierarchical Shell Structures from Metal-Organic Frameworks and Their Lithium Storage Properties. <i>Journal of the American Chemical Society</i> , 2012, 134, 17388-17391.	6.6	935
17	Construction of ZnIn ₂ S ₄ @In ₂ O ₃ Hierarchical Tubular Heterostructures for Efficient CO ₂ Photoreduction. <i>Journal of the American Chemical Society</i> , 2018, 140, 5037-5040.	6.6	934
18	Enhancing lithium-sulphur battery performance by strongly binding the discharge products on amino-functionalized reduced graphene oxide. <i>Nature Communications</i> , 2014, 5, 5002.	5.8	892

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19	Nitrogen-containing microporous carbon nanospheres with improved capacitive properties. <i>Energy and Environmental Science</i> , 2011, 4, 717-724.	15.6	852
20	Carbon coated porous nickel phosphides nanoplates for highly efficient oxygen evolution reaction. <i>Energy and Environmental Science</i> , 2016, 9, 1246-1250.	15.6	839
21	Metal-organic frameworks and their derived materials for electrochemical energy storage and conversion: Promises and challenges. <i>Science Advances</i> , 2017, 3, eaap9252.	4.7	824
22	Designed formation of hollow particle-based nitrogen-doped carbon nanofibers for high-performance supercapacitors. <i>Energy and Environmental Science</i> , 2017, 10, 1777-1783.	15.6	782
23	Yolk/shell nanoparticles: new platforms for nanoreactors, drug delivery and lithium-ion batteries. <i>Chemical Communications</i> , 2011, 47, 12578.	2.2	781
24	Growth of ultrathin mesoporous Co ₃ O ₄ nanosheet arrays on Ni foam for high-performance electrochemical capacitors. <i>Energy and Environmental Science</i> , 2012, 5, 7883.	15.6	780
25	Construction of hierarchical Ni-Co hollow nanobricks with oriented nanosheets for efficient overall water splitting. <i>Energy and Environmental Science</i> , 2018, 11, 872-880.	15.6	773
26	Assembling carbon-coated Fe ₂ O ₃ hollow nanohorns on the CNT backbone for superior lithium storage capability. <i>Energy and Environmental Science</i> , 2012, 5, 5252-5256.	15.6	767
27	Hollow Carbon Nanofibers Filled with MnO ₂ Nanosheets as Efficient Sulfur Hosts for Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12886-12890.	7.2	765
28	Non-Noble-Metal-Based Electrocatalysts toward the Oxygen Evolution Reaction. <i>Advanced Functional Materials</i> , 2020, 30, 1910274.	7.8	760
29	Single-crystalline NiCo ₂ O ₄ nanoneedle arrays grown on conductive substrates as binder-free electrodes for high-performance supercapacitors. <i>Energy and Environmental Science</i> , 2012, 5, 9453.	15.6	754
30	Quasiemulsion-Templated Formation of Fe ₂ O ₃ Hollow Spheres with Enhanced Lithium Storage Properties. <i>Journal of the American Chemical Society</i> , 2011, 133, 17146-17148.	6.6	750
31	SnO ₂ -Based Nanomaterials: Synthesis and Application in Lithium-Ion Batteries. <i>Small</i> , 2013, 9, 1877-1893.	5.2	729
32	Carbon-Incorporated Nickel-Cobalt Mixed Metal Phosphide Nanoboxes with Enhanced Electrocatalytic Activity for Oxygen Evolution. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3897-3900.	7.2	725
33	Self-Templated Formation of Uniform NiCo ₂ O ₄ Hollow Spheres with Complex Interior Structures for Lithium-Ion Batteries and Supercapacitors. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1868-1872.	7.2	713
34	Confining Sulfur in Double-Shelled Hollow Carbon Spheres for Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9592-9595.	7.2	692
35	Metal-Organic-Framework-Based Materials as Platforms for Renewable Energy and Environmental Applications. <i>Joule</i> , 2017, 1, 77-107.	11.7	673
36	Double-Shelled CoMn ₂ O ₄ Hollow Microcubes as High-Capacity Anodes for Lithium-Ion Batteries. <i>Advanced Materials</i> , 2012, 24, 745-748.	11.1	665

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37	Metal Sulfide Hollow Nanostructures for Electrochemical Energy Storage. <i>Advanced Energy Materials</i> , 2016, 6, 1501333.	10.2	663
38	Mixed Metal Sulfides for Electrochemical Energy Storage and Conversion. <i>Advanced Energy Materials</i> , 2018, 8, 1701592.	10.2	647
39	Formation of Hierarchical $\text{Co}_9\text{S}_8@\text{ZnIn}_2\text{S}_4$ Heterostructured Cages as an Efficient Photocatalyst for Hydrogen Evolution. <i>Journal of the American Chemical Society</i> , 2018, 140, 15145-15148.	6.6	642
40	Complex Nanostructures from Materials based on Metal-Organic Frameworks for Electrochemical Energy Storage and Conversion. <i>Advanced Materials</i> , 2017, 29, 1703614.	11.1	629
41	Complex Hollow Nanostructures: Synthesis and Energy-Related Applications. <i>Advanced Materials</i> , 2017, 29, 1604563.	11.1	627
42	Hierarchical $\text{NiCo}_2\text{O}_4@\text{MnO}_2$ core-shell heterostructured nanowire arrays on Ni foam as high-performance supercapacitor electrodes. <i>Chemical Communications</i> , 2013, 49, 137-139.	2.2	622
43	Formation of ZnMn_2O_4 Ball-in-Ball Hollow Microspheres as a High-Performance Anode for Lithium-Ion Batteries. <i>Advanced Materials</i> , 2012, 24, 4609-4613.	11.1	603
44	Rational designs and engineering of hollow micro-/nanostructures as sulfur hosts for advanced lithium-sulfur batteries. <i>Energy and Environmental Science</i> , 2016, 9, 3061-3070.	15.6	598
45	Ultrathin MoS_2 Nanosheets Supported on N-doped Carbon Nanoboxes with Enhanced Lithium Storage and Electrocatalytic Properties. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7395-7398.	7.2	596
46	Advanced Electrocatalysts for the Oxygen Reduction Reaction in Energy Conversion Technologies. <i>Joule</i> , 2020, 4, 45-68.	11.7	596
47	Nanostructured Conversion-type Anode Materials for Advanced Lithium-Ion Batteries. <i>CheM</i> , 2018, 4, 972-996.	5.8	591
48	A sulfur host based on titanium monoxide@carbon hollow spheres for advanced lithium-sulfur batteries. <i>Nature Communications</i> , 2016, 7, 13065.	5.8	590
49	Formation of Hierarchical $\text{In}_2\text{S}_3@\text{CdIn}_2\text{S}_4$ Heterostructured Nanotubes for Efficient and Stable Visible Light CO_2 Reduction. <i>Journal of the American Chemical Society</i> , 2017, 139, 17305-17308.	6.6	585
50	One-Pot Synthesis of Cubic PtCu_3 Nanocages with Enhanced Electrocatalytic Activity for the Methanol Oxidation Reaction. <i>Journal of the American Chemical Society</i> , 2012, 134, 13934-13937.	6.6	581
51	Controlled Growth of NiMoO_4 Nanosheet and Nanorod Arrays on Various Conductive Substrates as Advanced Electrodes for Asymmetric Supercapacitors. <i>Advanced Energy Materials</i> , 2015, 5, 1401172.	10.2	559
52	High-performance flexible asymmetric supercapacitors based on a new graphene foam/carbon nanotube hybrid film. <i>Energy and Environmental Science</i> , 2014, 7, 3709-3719.	15.6	557
53	Mesoporous Co_3O_4 and CoO@C Topotactically Transformed from Chrysanthemum-like $\text{Co}(\text{CO}_3)_{0.5}(\text{OH})\cdot 0.11\text{H}_2\text{O}$ and Their Lithium-Storage Properties. <i>Advanced Functional Materials</i> , 2012, 22, 861-871.	7.8	554
54	Formation of Prussian-Blue Analog Nanocages via a Direct Etching Method and their Conversion into Ni-Co Mixed Oxide for Enhanced Oxygen Evolution. <i>Advanced Materials</i> , 2016, 28, 4601-4605.	11.1	550

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55	Hierarchical Mo_2C Nanotubes Organized by Ultrathin Nanosheets as a Highly Efficient Electrocatalyst for Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15395-15399.	7.2	546
56	Formation of Onion-Like NiCo_2S_4 Particles via Sequential Ion Exchange for Hybrid Supercapacitors. <i>Advanced Materials</i> , 2017, 29, 1605051.	11.1	539
57	Fast Formation of SnO_2 Nanoboxes with Enhanced Lithium Storage Capability. <i>Journal of the American Chemical Society</i> , 2011, 133, 4738-4741.	6.6	521
58	Metal-Organic-Frameworks-Derived General Formation of Hollow Structures with High Complexity. <i>Journal of the American Chemical Society</i> , 2013, 135, 10664-10672.	6.6	520
59	Formation of NiCoMoS_2 Nanoboxes with Enhanced Electrocatalytic Activity for Hydrogen Evolution. <i>Advanced Materials</i> , 2016, 28, 9006-9011.	11.1	511
60	Highly crystalline Ni-doped FeP/carbon hollow nanorods as all-pH efficient and durable hydrogen evolving electrocatalysts. <i>Science Advances</i> , 2019, 5, eaav6009.	4.7	508
61	Hierarchical Hollow Nanoprisms Based on Ultrathin NiFe Layered Double Hydroxide Nanosheets with Enhanced Electrocatalytic Activity towards Oxygen Evolution. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 172-176.	7.2	507
62	Double-Shelled Nanocages with Cobalt Hydroxide Inner Shell and Layered Double Hydroxides Outer Shell as High-Efficiency Polysulfide Mediator for Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3982-3986.	7.2	505
63	Template-free Formation of Uniform Urchin-like FeOOH Hollow Spheres with Superior Capability for Water Treatment. <i>Advanced Materials</i> , 2012, 24, 1111-1116.	11.1	504
64	Metal-organic-framework-engaged formation of Co nanoparticle-embedded carbon@ Co_9S_8 double-shelled nanocages for efficient oxygen reduction. <i>Energy and Environmental Science</i> , 2016, 9, 107-111.	15.6	499
65	Iron-Oxide-Based Advanced Anode Materials for Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2014, 4, 1300958.	10.2	498
66	Structure-designed synthesis of FeS_2 @C yolk-shell nanoboxes as a high-performance anode for sodium-ion batteries. <i>Energy and Environmental Science</i> , 2017, 10, 1576-1580.	15.6	475
67	Hierarchical MoS_2 microboxes constructed by nanosheets with enhanced electrochemical properties for lithium storage and water splitting. <i>Energy and Environmental Science</i> , 2014, 7, 3302-3306.	15.6	471
68	Bowl-like SnO_2 @Carbon Hollow Particles as an Advanced Anode Material for Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12803-12807.	7.2	463
69	Dynamic traction of lattice-confined platinum atoms into mesoporous carbon matrix for hydrogen evolution reaction. <i>Science Advances</i> , 2018, 4, eaao6657.	4.7	460
70	Metal-Organic Frameworks Based Electrocatalysts for the Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4634-4650.	7.2	457
71	Pie-like electrode design for high-energy density lithium-sulfur batteries. <i>Nature Communications</i> , 2015, 6, 8850.	5.8	453
72	Hollow Structures Based on Prussian Blue and Its Analogs for Electrochemical Energy Storage and Conversion. <i>Advanced Materials</i> , 2019, 31, e1706825.	11.1	445

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73	Free-Standing Nitrogen-Doped Carbon Nanofiber Films: Integrated Electrodes for Sodium-Ion Batteries with Ultralong Cycle Life and Superior Rate Capability. <i>Advanced Energy Materials</i> , 2016, 6, 1502217.	10.2	440
74	Formation of Nickel Sulfide Nanoframes from Metal-Organic Frameworks with Enhanced Pseudocapacitive and Electrocatalytic Properties. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5331-5335.	7.2	439
75	Shape-Controlled Synthesis of MnO ₂ Nanostructures with Enhanced Electrocatalytic Activity for Oxygen Reduction. <i>Journal of Physical Chemistry C</i> , 2010, 114, 1694-1700.	1.5	432
76	Formation of Ni-Fe Mixed Diselenide Nanocages as a Superior Oxygen Evolution Electrocatalyst. <i>Advanced Materials</i> , 2017, 29, 1703870.	11.1	428
77	Facile synthesis of hierarchical MoS ₂ microspheres composed of few-layered nanosheets and their lithium storage properties. <i>Nanoscale</i> , 2012, 4, 95-98.	2.8	425
78	Ultrathin and Ultralong Single-Crystal Platinum Nanowire Assemblies with Highly Stable Electrocatalytic Activity. <i>Journal of the American Chemical Society</i> , 2013, 135, 9480-9485.	6.6	425
79	Self-supported formation of hierarchical NiCo ₂ O ₄ tetragonal microtubes with enhanced electrochemical properties. <i>Energy and Environmental Science</i> , 2016, 9, 862-866.	15.6	422
80	One-Pot Synthesis of Carbon-Coated SnO ₂ Nanocolloids with Improved Reversible Lithium Storage Properties. <i>Chemistry of Materials</i> , 2009, 21, 2868-2874.	3.2	421
81	Controlled Growth of NiCo ₂ O ₄ Nanorods and Ultrathin Nanosheets on Carbon Nanofibers for High-performance Supercapacitors. <i>Scientific Reports</i> , 2013, 3, 1470.	1.6	417
82	Formation of NiCo ₃ S ₄ Hollow Nanoprisms with Enhanced Pseudocapacitive Properties. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3711-3714.	7.2	417
83	Sb@C coaxial nanotubes as a superior long-life and high-rate anode for sodium ion batteries. <i>Energy and Environmental Science</i> , 2016, 9, 2314-2318.	15.6	414
84	Hierarchical Tubular Structures Composed of Co ₃ O ₄ Hollow Nanoparticles and Carbon Nanotubes for Lithium Storage. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5990-5993.	7.2	413
85	Preparation of SnO ₂ /Carbon Composite Hollow Spheres and Their Lithium Storage Properties. <i>Chemistry of Materials</i> , 2008, 20, 6562-6566.	3.2	410
86	One-Pot Synthesis of Pt-Co Alloy Nanowire Assemblies with Tunable Composition and Enhanced Electrocatalytic Properties. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3797-3801.	7.2	407
87	Formation of Hierarchical Cu-Doped CoSe ₂ Microboxes via Sequential Ion Exchange for High-Performance Sodium-Ion Batteries. <i>Advanced Materials</i> , 2018, 30, e1706668.	11.1	402
88	Self-Templated Formation of Hollow Structures for Electrochemical Energy Applications. <i>Accounts of Chemical Research</i> , 2017, 50, 293-301.	7.6	397
89	Formation of Uniform Fe ₃ O ₄ Hollow Spheres Organized by Ultrathin Nanosheets and Their Excellent Lithium Storage Properties. <i>Advanced Materials</i> , 2015, 27, 4097-4101.	11.1	396
90	Formation of SnO ₂ Hollow Nanospheres inside Mesoporous Silica Nanoreactors. <i>Journal of the American Chemical Society</i> , 2011, 133, 21-23.	6.6	391

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91	SnO ₂ nanosheets grown on graphene sheets with enhanced lithium storage properties. Chemical Communications, 2011, 47, 7155.	2.2	387
92	Metal-Organic Framework Hybrid-Assisted Formation of Co ₃ O ₄ /CoFe Oxide Double-Shelled Nanoboxes for Enhanced Oxygen Evolution. Advanced Materials, 2018, 30, e1801211.	11.1	374
93	Formation of Double-Shelled Zinc-Cobalt Sulfide Dodecahedral Cages from Bimetallic Zeolitic Imidazolate Frameworks for Hybrid Supercapacitors. Angewandte Chemie - International Edition, 2017, 56, 7141-7145.	7.2	371
94	Self-assembled monolayers direct a LiF-rich interphase toward long-life lithium metal batteries. Science, 2022, 375, 739-745.	6.0	368
95	Mesoporous Li ₄ Ti ₅ O ₁₂ Hollow Spheres with Enhanced Lithium Storage Capability. Advanced Materials, 2013, 25, 2296-2300.	11.1	364
96	General Formation of M-MoS ₃ (M = Co, Ni) Hollow Structures with Enhanced Electrocatalytic Activity for Hydrogen Evolution. Advanced Materials, 2016, 28, 92-97.	11.1	364
97	Interfacing Manganese Oxide and Cobalt in Porous Graphitic Carbon Polyhedrons Boosts Oxygen Electrocatalysis for Zn-Air Batteries. Advanced Materials, 2019, 31, e1902339.	11.1	363
98	Flexible Hybrid Paper Made of Monolayer Co ₃ O ₄ Microsphere Arrays on rGO/CNTs and Their Application in Electrochemical Capacitors. Advanced Functional Materials, 2012, 22, 2560-2566.	7.8	362
99	Hierarchical MoS ₂ tubular structures internally wired by carbon nanotubes as a highly stable anode material for lithium-ion batteries. Science Advances, 2016, 2, e1600021.	4.7	362
100	Top-Down Fabrication of ±Fe ₂ O ₃ Single-Crystal Nanodiscs and Microparticles with Tunable Porosity for Largely Improved Lithium Storage Properties. Journal of the American Chemical Society, 2010, 132, 13162-13164.	6.6	359
101	Rationally designed hierarchical N-doped carbon@NiCo ₂ O ₄ double-shelled nanoboxes for enhanced visible light CO ₂ reduction. Energy and Environmental Science, 2018, 11, 306-310.	15.6	357
102	Carbon-Coated CdS Petalous Nanostructures with Enhanced Photostability and Photocatalytic Activity. Angewandte Chemie - International Edition, 2013, 52, 5636-5639.	7.2	355
103	Embedding Sulfur in MOF-Derived Microporous Carbon Polyhedrons for Lithium-Sulfur Batteries. Chemistry - A European Journal, 2013, 19, 10804-10808.	1.7	355
104	Facile synthesis of metal oxide/reduced graphene oxide hybrids with high lithium storage capacity and stable cyclability. Nanoscale, 2011, 3, 1084-1089.	2.8	352
105	Metal-Organic Frameworks Derived Functional Materials for Electrochemical Energy Storage and Conversion: A Mini Review. Nano Letters, 2021, 21, 1555-1565.	4.5	351
106	Facile synthesis of mesoporous Ni _{0.3} Co _{2.7} O ₄ hierarchical structures for high-performance supercapacitors. Energy and Environmental Science, 2013, 6, 3619.	15.6	347
107	Formation of CoS ₂ Nanobubble Hollow Prisms for Highly Reversible Lithium Storage. Angewandte Chemie - International Edition, 2016, 55, 13422-13426.	7.2	346
108	Construction of CoO/CoCu Hierarchical Tubular Heterostructures for Hybrid Supercapacitors. Angewandte Chemie - International Edition, 2019, 58, 15441-15447.	7.2	346

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109	Coordination Polymers Derived General Synthesis of Multishelled Mixed Metal-Oxide Particles for Hybrid Supercapacitors. <i>Advanced Materials</i> , 2017, 29, 1605902.	11.1	345
110	A dual-metal-organic-framework derived electrocatalyst for oxygen reduction. <i>Energy and Environmental Science</i> , 2016, 9, 3092-3096.	15.6	344
111	Hydrothermal Synthesis of $\text{I}^{\pm}\text{-MoO}_3$ Nanorods via Acidification of Ammonium Heptamolybdate Tetrahydrate. <i>Chemistry of Materials</i> , 2002, 14, 4781-4789.	3.2	342
112	Shape-controlled synthesis of porous Co_3O_4 nanostructures for application in supercapacitors. <i>Journal of Materials Chemistry</i> , 2010, 20, 7015.	6.7	341
113	Amorphous CoSnO_3 @C nanoboxes with superior lithium storage capability. <i>Energy and Environmental Science</i> , 2013, 6, 87-91.	15.6	337
114	Glucose-Assisted Growth of MoS_2 Nanosheets on CNT Backbone for Improved Lithium Storage Properties. <i>Chemistry - A European Journal</i> , 2011, 17, 13142-13145.	1.7	334
115	Metal Atom-Doped Co_3O_4 Hierarchical Nanoplates for Electrocatalytic Oxygen Evolution. <i>Advanced Materials</i> , 2020, 32, e2002235.	11.1	332
116	A bi-functional device for self-powered electrochromic window and self-rechargeable transparent battery applications. <i>Nature Communications</i> , 2014, 5, 4921.	5.8	328
117	SnO_2 hollow structures and TiO_2 nanosheets for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2011, 21, 9912.	6.7	327
118	Two-dimensional nanosheets for photoelectrochemical water splitting: Possibilities and opportunities. <i>Nano Today</i> , 2013, 8, 598-618.	6.2	326
119	Confining SnS_2 Ultrathin Nanosheets in Hollow Carbon Nanostructures for Efficient Capacitive Sodium Storage. <i>Joule</i> , 2018, 2, 725-735.	11.7	324
120	Hierarchical nickel sulfide hollow spheres for high performance supercapacitors. <i>RSC Advances</i> , 2011, 1, 397.	1.7	322
121	Efficient Electrochemical Reduction of CO_2 to HCOOH over Sub-20 nm SnO_2 Quantum Wires with Exposed Grain Boundaries. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8499-8503.	7.2	322
122	Formation of 1D Hierarchical Structures Composed of Ni_3S_2 Nanosheets on CNTs Backbone for Supercapacitors and Photocatalytic H_2 Production. <i>Advanced Energy Materials</i> , 2012, 2, 1497-1502.	10.2	321
123	A general dual-templating approach to biomass-derived hierarchically porous heteroatom-doped carbon materials for enhanced electrocatalytic oxygen reduction. <i>Energy and Environmental Science</i> , 2019, 12, 648-655.	15.6	318
124	A General Route to Nonspherical Anatase TiO_2 Hollow Colloids and Magnetic Multifunctional Particles. <i>Advanced Materials</i> , 2008, 20, 1853-1858.	11.1	315
125	Surface Modulation of Hierarchical MoS_2 Nanosheets by Ni Single Atoms for Enhanced Electrocatalytic Hydrogen Evolution. <i>Advanced Functional Materials</i> , 2018, 28, 1807086.	7.8	314
126	Thermal formation of mesoporous single-crystal Co_3O_4 nano-needles and their lithium storage properties. <i>Journal of Materials Chemistry</i> , 2008, 18, 4397.	6.7	312

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127	Ultrafine Dual-Phase Carbide Nanocrystals Confined in Porous Nitrogen-Doped Carbon Dodecahedrons for Efficient Hydrogen Evolution Reaction. <i>Advanced Materials</i> , 2019, 31, e1900699.	11.1	311
128	Unusual Formation of CoSe@carbon Nanoboxes, which have an Inhomogeneous Shell, for Efficient Lithium Storage. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9514-9518.	7.2	308
129	Design of Heterostructured Hollow Photocatalysts for Solar-to-Chemical Energy Conversion. <i>Advanced Materials</i> , 2019, 31, e1900281.	11.1	307
130	Graphene-supported anatase TiO ₂ nanosheets for fast lithium storage. <i>Chemical Communications</i> , 2011, 47, 5780.	2.2	305
131	Designed Formation of Double-Shelled Ni-Fe Layered-Hydroxide Nanocages for Efficient Oxygen Evolution Reaction. <i>Advanced Materials</i> , 2020, 32, e1906432.	11.1	305
132	Hierarchical Tubular Structures Constructed by Carbon-Coated SnO ₂ Nanoplates for Highly Reversible Lithium Storage. <i>Advanced Materials</i> , 2013, 25, 2589-2593.	11.1	304
133	Recent progress on graphene-based hybrid electrocatalysts. <i>Materials Horizons</i> , 2014, 1, 379-399.	6.4	303
134	The Design and Synthesis of Hollow Micro-Nanostructures: Present and Future Trends. <i>Advanced Materials</i> , 2018, 30, e1800939.	11.1	301
135	Rational Design of Three-Layered TiO ₂ @Carbon@MoS ₂ Hierarchical Nanotubes for Enhanced Lithium Storage. <i>Advanced Materials</i> , 2017, 29, 1702724.	11.1	300
136	Supporting Ultrathin ZnIn ₂ S ₄ Nanosheets on Co/N-Doped Graphitic Carbon Nanocages for Efficient Photocatalytic H ₂ Generation. <i>Advanced Materials</i> , 2019, 31, e1903404.	11.1	300
137	Formation of Asymmetric Bowl-Like Mesoporous Particles via Emulsion-Induced Interface Anisotropic Assembly. <i>Journal of the American Chemical Society</i> , 2016, 138, 11306-11311.	6.6	299
138	Green Synthesis of NiO Nanobelts with Exceptional Pseudo-Capacitive Properties. <i>Advanced Energy Materials</i> , 2012, 2, 1188-1192.	10.2	297
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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398	Nitrogen-Doped Amorphous Zn-Carbon Multichannel Fibers for Stable Lithium Metal Anodes. <i>Angewandte Chemie</i> , 2021, 133, 8596-8601.	1.6	17
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407	Comprehensive Interpretation of Gel Electrophoresis Data. <i>Analytical Chemistry</i> , 2006, 78, 6179-6186.	3.2	5
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411	Frontispiz: Formation of CoS ₂ Nanobubble Hollow Prisms for Highly Reversible Lithium Storage. <i>Angewandte Chemie</i> , 2016, 128, .	1.6	0