

Zheng Hu

List of Publications by Year in descending order

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138
papers

12,972
citations

41323

49
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22808

112
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142
all docs

142
docs citations

142
times ranked

14931
citing authors

#	ARTICLE	IF	CITATIONS
1	Boron-Doped Carbon Nanotubes as Metal-Free Electrocatalysts for the Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7132-7135.	7.2	1,121
2	Can Boron and Nitrogen Co-doping Improve Oxygen Reduction Reaction Activity of Carbon Nanotubes?. <i>Journal of the American Chemical Society</i> , 2013, 135, 1201-1204.	6.6	855
3	Nitrogen-Doped Carbon Nanocages as Efficient Metal-Free Electrocatalysts for Oxygen Reduction Reaction. <i>Advanced Materials</i> , 2012, 24, 5593-5597.	11.1	693
4	Hydrophilic Hierarchical Nitrogen-Doped Carbon Nanocages for Ultrahigh Supercapacitive Performance. <i>Advanced Materials</i> , 2015, 27, 3541-3545.	11.1	680
5	Carbon-Based Metal-Free ORR Electrocatalysts for Fuel Cells: Past, Present, and Future. <i>Advanced Materials</i> , 2019, 31, e1804799.	11.1	649
6	Significant Contribution of Intrinsic Carbon Defects to Oxygen Reduction Activity. <i>ACS Catalysis</i> , 2015, 5, 6707-6712.	5.5	519
7	Carbon Nanocages as Supercapacitor Electrode Materials. <i>Advanced Materials</i> , 2012, 24, 347-352.	11.1	508
8	Porous 3D Few-Layer Graphene-Like Carbon for Ultrahigh-Power Supercapacitors with Well-Defined Structure-Performance Relationship. <i>Advanced Materials</i> , 2017, 29, 1604569.	11.1	358
9	Recent advances in understanding of the mechanism and control of Li_2O_2 formation in aprotic Li-O_2 batteries. <i>Chemical Society Reviews</i> , 2017, 46, 6046-6072.	18.7	314
10	Single Cobalt Atom and N Codoped Carbon Nanofibers as Highly Durable Electrocatalyst for Oxygen Reduction Reaction. <i>ACS Catalysis</i> , 2017, 7, 6864-6871.	5.5	256
11	Compressing Carbon Nanocages by Capillarity for Optimizing Porous Structures toward Ultrahigh-Volumetric-Performance Supercapacitors. <i>Advanced Materials</i> , 2017, 29, 1700470.	11.1	243
12	Hierarchical carbon nanocages confining high-loading sulfur for high-rate lithium-sulfur batteries. <i>Nano Energy</i> , 2015, 12, 657-665.	8.2	231
13	The simplest construction of single-site catalysts by the synergism of micropore trapping and nitrogen anchoring. <i>Nature Communications</i> , 2019, 10, 1657.	5.8	220
14	Promotion Effects of Nitrogen Doping into Carbon Nanotubes on Supported Iron Fischer-Tropsch Catalysts for Lower Olefins. <i>ACS Catalysis</i> , 2014, 4, 613-621.	5.5	218
15	Mesostructured NiO/Ni composites for high-performance electrochemical energy storage. <i>Energy and Environmental Science</i> , 2016, 9, 2053-2060.	15.6	212
16	CNx nanofibers converted from polypyrrole nanowires as platinum support for methanol oxidation. <i>Energy and Environmental Science</i> , 2009, 2, 224-229.	15.6	209
17	Porous-Shell Vanadium Nitride Nanobubbles with Ultrahigh Areal Sulfur Loading for High-Capacity and Long-Life Lithium-Sulfur Batteries. <i>Nano Letters</i> , 2017, 17, 7839-7846.	4.5	206
18	An Amperometric Biosensor Based on the Coimmobilization of Horseradish Peroxidase and Methylene Blue on a Carbon Nanotubes Modified Electrode. <i>Electroanalysis</i> , 2003, 15, 219-224.	1.5	205

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19	Facile Construction of Pt-Co/CN Nanotube Electrocatalysts and Their Application to the Oxygen Reduction Reaction. <i>Advanced Materials</i> , 2009, 21, 4953-4956.	11.1	202
20	From Carbon-Based Nanotubes to Nanocages for Advanced Energy Conversion and Storage. <i>Accounts of Chemical Research</i> , 2017, 50, 435-444.	7.6	196
21	Co nanoparticle embedded in atomically-dispersed Co-N-C nanofibers for oxygen reduction with high activity and remarkable durability. <i>Nano Energy</i> , 2018, 52, 485-493.	8.2	188
22	Alloyed Co-Mo Nitride as High-Performance Electrocatalyst for Oxygen Reduction in Acidic Medium. <i>ACS Catalysis</i> , 2015, 5, 1857-1862.	5.5	172
23	CN _x nanotubes as catalyst support to immobilize platinum nanoparticles for methanol oxidation. <i>Journal of Materials Chemistry</i> , 2008, 18, 1747.	6.7	164
24	Synthesis of Nanostructured Tungsten Oxide Thin Films: A Simple, Controllable, Inexpensive, Aqueous Sol-Gel Method. <i>Crystal Growth and Design</i> , 2010, 10, 430-439.	1.4	164
25	Synthesis and Optical Characterization of Aluminum Nitride Nanobelts. <i>Journal of Physical Chemistry B</i> , 2003, 107, 9726-9729.	1.2	162
26	2D Single-Crystalline Molecular Semiconductors with Precise Layer Definition Achieved by Floating-Coffee-Ring-Driven Assembly. <i>Advanced Functional Materials</i> , 2016, 26, 3191-3198.	7.8	136
27	Extended vapor-liquid-solid growth and field emission properties of aluminium nitride nanowires. <i>Journal of Materials Chemistry</i> , 2003, 13, 2024-2027.	6.7	122
28	In Situ TA-MS Study of the Six-Membered-Ring-Based Growth of Carbon Nanotubes with Benzene Precursor. <i>Journal of the American Chemical Society</i> , 2004, 126, 1180-1183.	6.6	105
29	Synergism of C ₅ N Six-Membered Ring and Vapor-Liquid-Solid Growth of CN _x Nanotubes with Pyridine Precursor. <i>Journal of Physical Chemistry B</i> , 2006, 110, 16422-16427.	1.2	105
30	CoO-modified Co ₄ N as a heterostructured electrocatalyst for highly efficient overall water splitting in neutral media. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24767-24772.	5.2	105
31	Efficient synergism of electrocatalysis and physical confinement leading to durable high-power lithium-sulfur batteries. <i>Nano Energy</i> , 2019, 57, 34-40.	8.2	104
32	Improved photocurrents for p-type dye-sensitized solar cells using nano-structured nickel(ii) oxide microballs. <i>Energy and Environmental Science</i> , 2012, 5, 8896.	15.6	99
33	Effect of oxygen adsorbability on the control of Li ₂ O ₂ growth in Li-O ₂ batteries: Implications for cathode catalyst design. <i>Nano Energy</i> , 2017, 36, 68-75.	8.2	93
34	Encapsulation of Iron Nitride by Fe-N-C Shell Enabling Highly Efficient Electroreduction of CO ₂ to CO. <i>ACS Energy Letters</i> , 2018, 3, 1205-1211.	8.8	84
35	Carbon-Based Nanocages: A New Platform for Advanced Energy Storage and Conversion. <i>Advanced Materials</i> , 2020, 32, e1904177.	11.1	84
36	Nitrogen-doped carbon nanotubes functionalized by transition metal atoms: a density functional study. <i>Journal of Materials Chemistry</i> , 2010, 20, 1702.	6.7	82

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37	Sub-nanometer-scale fine regulation of interlayer distance in Ni ²⁺ /Co layered double hydroxides leading to high-rate supercapacitors. <i>Nano Energy</i> , 2020, 76, 105026.	8.2	77
38	Hierarchical carbon nanocages as high-rate anodes for Li- and Na-ion batteries. <i>Nano Research</i> , 2015, 8, 3535-3543.	5.8	71
39	Hierarchical sulfur and nitrogen co-doped carbon nanocages as efficient bifunctional oxygen electrocatalysts for rechargeable Zn-air battery. <i>Journal of Energy Chemistry</i> , 2019, 34, 64-71.	7.1	69
40	Zinc-Tiered Synthesis of 3D Graphene for Monolithic Electrodes. <i>Advanced Materials</i> , 2019, 31, e1901186.	11.1	68
41	Boost Up Carrier Mobility for Ferroelectric Organic Transistor Memory via Buffering Interfacial Polarization Fluctuation. <i>Scientific Reports</i> , 2014, 4, 7227.	1.6	67
42	6-Fold-Symmetrical AlN Hierarchical Nanostructures: Synthesis and Field-Emission Properties. <i>Journal of Physical Chemistry C</i> , 2009, 113, 4053-4058.	1.5	66
43	A practical route to the production of carbon nanocages. <i>Carbon</i> , 2005, 43, 1667-1672.	5.4	63
44	Sulfur and Nitrogen Codoped Carbon Tubes as Bifunctional Metal-Free Electrocatalysts for Oxygen Reduction and Hydrogen Evolution in Acidic Media. <i>Chemistry - A European Journal</i> , 2016, 22, 10326-10329.	1.7	59
45	Achieving Ultrahigh Volumetric Energy Storage by Compressing Nitrogen and Sulfur Dual-Doped Carbon Nanocages via Capillarity. <i>Advanced Materials</i> , 2020, 32, e2004632.	11.1	56
46	Direct immobilization of Pt-Ru alloy nanoparticles on nitrogen-doped carbon nanotubes with superior electrocatalytic performance. <i>Journal of Power Sources</i> , 2010, 195, 7578-7582.	4.0	54
47	Preparation of graphene supported nickel nanoparticles and their application to methanol electrooxidation in alkaline medium. <i>New Journal of Chemistry</i> , 2012, 36, 1108.	1.4	54
48	Axial ligand effect on the stability of Fe-N-C electrocatalysts for acidic oxygen reduction reaction. <i>Nano Energy</i> , 2020, 78, 105128.	8.2	54
49	In situ construction of porous hierarchical (Ni _{3-x} Fe _x)FeN/Ni heterojunctions toward efficient electrocatalytic oxygen evolution. <i>Nano Research</i> , 2020, 13, 328-334.	5.8	52
50	Self-templated synthesis of polycrystalline hollow aluminium nitride nanospheres. <i>Journal of Materials Chemistry</i> , 2006, 16, 2834.	6.7	50
51	Aligned ZnO Nanorods with Tunable Size and Field Emission on Native Si Substrate Achieved via Simple Electrodeposition. <i>Journal of Physical Chemistry C</i> , 2010, 114, 189-193.	1.5	50
52	Is iron nitride or carbide highly active for oxygen reduction reaction in acidic medium?. <i>Catalysis Science and Technology</i> , 2017, 7, 51-55.	2.1	50
53	Multiple-Step Humidity-Induced Single-Crystal to Single-Crystal Transformations of a Cobalt Phosphonate: Structural and Proton Conductivity Studies. <i>Inorganic Chemistry</i> , 2016, 55, 3706-3712.	1.9	49
54	Synthesis of large-scale undoped and nitrogen-doped amorphous graphene on MgO substrate by chemical vapor deposition. <i>Journal of Materials Chemistry</i> , 2012, 22, 19679.	6.7	48

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55	Mesostructured carbon-based nanocages: an advanced platform for energy chemistry. <i>Science China Chemistry</i> , 2020, 63, 665-681.	4.2	48
56	Encapsulation of Red Phosphorus in Carbon Nanocages with Ultrahigh Content for High-Capacity and Long Cycle Life Sodium-Ion Batteries. <i>ACS Nano</i> , 2021, 15, 5679-5688.	7.3	47
57	Advanced Ni-Nx-C single-site catalysts for CO ₂ electroreduction to CO based on hierarchical carbon nanocages and S-doping. <i>Nano Research</i> , 2020, 13, 2777-2783.	5.8	46
58	Carbon-Based Nanocages: Carbon-Based Nanocages: A New Platform for Advanced Energy Storage and Conversion (<i>Adv. Mater.</i> 27/2020). <i>Advanced Materials</i> , 2020, 32, 2070206.	11.1	46
59	Electrocatalysis of S-doped carbon with weak polysulfide adsorption enhances lithium-sulfur battery performance. <i>Chemical Communications</i> , 2019, 55, 6365-6368.	2.2	45
60	Efficient Ternary Synergism of Platinum/Tin Oxide/Nitrogen-Doped Carbon Leading to High-Performance Ethanol Oxidation. <i>ACS Catalysis</i> , 2018, 8, 8477-8483.	5.5	44
61	A mini review on carbon-based metal-free electrocatalysts for oxygen reduction reaction. <i>Chinese Journal of Catalysis</i> , 2013, 34, 1986-1991.	6.9	42
62	Construction of hierarchical FeNi ₃ @(Fe,Ni) ₂ S ₂ core-shell heterojunctions for advanced oxygen evolution. <i>Nano Research</i> , 2021, 14, 4220-4226.	5.8	42
63	Stabilizing the active phase of iron-based Fischer-Tropsch catalysts for lower olefins: mechanism and strategy. <i>Chemical Science</i> , 2019, 10, 6083-6090.	3.7	41
64	Sulfur and Nitrogen Codoped Carbon Tubes as Bifunctional Metal-Free Electrocatalysts for Oxygen Reduction and Hydrogen Evolution in Acidic Media. <i>Chemistry - A European Journal</i> , 2016, 22, 10261-10261.	1.7	40
65	Enhanced Cold Field Emission of Large-area Arrays of Vertically Aligned ZnO-nanotapers via Sharpening: Experiment and Theory. <i>Scientific Reports</i> , 2014, 4, 4676.	1.6	38
66	Investigation of Ni-P ultrafine amorphous alloy particles produced by chemical reduction. <i>Journal of Applied Physics</i> , 1992, 71, 5217-5221.	1.1	37
67	Porous hierarchical nickel nanostructures and their application as a magnetically separable catalyst. <i>Journal of Materials Chemistry</i> , 2012, 22, 11927.	6.7	37
68	Carbon monoxide hydrogenation on Fe ₂ O ₃ /ZrO ₂ catalysts. <i>Catalysis Letters</i> , 1996, 36, 139-144.	1.4	35
69	A study of Fe-Ni ultrafine alloy particles produced by reduction with borohydride. <i>Journal of Applied Physics</i> , 1991, 70, 436-438.	1.1	34
70	Tailoring the nano heterointerface of hematite/magnetite on hierarchical nitrogen-doped carbon nanocages for superb oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 21313-21319.	5.2	34
71	Artificial Construction of the Magnetically Separable Nanocatalyst by Anchoring Pt Nanoparticles on Functionalized Carbon-Encapsulated Nickel Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2008, 112, 472-475.	1.5	33
72	Carbon-nitrogen/graphene composite as metal-free electrocatalyst for the oxygen reduction reaction. <i>Science Bulletin</i> , 2011, 56, 3583-3589.	1.7	33

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73	Manganese oxide-induced strategy to high-performance iron/nitrogen/carbon electrocatalysts with highly exposed active sites. <i>Nanoscale</i> , 2016, 8, 8480-8485.	2.8	33
74	A general strategy to construct yolk-shelled metal oxides inside carbon nanocages for high-stable lithium-ion battery anodes. <i>Nano Energy</i> , 2020, 68, 104368.	8.2	32
75	Identifying Iron-Nitrogen/Carbon Active Structures for Oxygen Reduction Reaction under the Effect of Electrode Potential. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2896-2901.	2.1	32
76	Tuning metal catalysts via nitrogen-doped nanocarbons for energy chemistry: From metal nanoparticles to single metal sites. <i>EnergyChem</i> , 2021, 3, 100066.	10.1	31
77	Alcohol-Tolerant Platinum Electrocatalyst for Oxygen Reduction by Encapsulating Platinum Nanoparticles inside Nitrogen-Doped Carbon Nanocages. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 16664-16669.	4.0	28
78	Boosting faradaic efficiency of CO ₂ electroreduction to CO for Fe-N-C single-site catalysts by stabilizing Fe ³⁺ sites via F-doping. <i>Nano Research</i> , 2022, 15, 7896-7902.	5.8	27
79	Convenient immobilization of Pt-Sn bimetallic catalysts on nitrogen-doped carbon nanotubes for direct alcohol electrocatalytic oxidation. <i>Nanotechnology</i> , 2011, 22, 395401.	1.3	26
80	Superionic conductor-mediated growth of ternary ZnCdS nanorods over a wide composition range. <i>Nano Research</i> , 2015, 8, 584-591.	5.8	26
81	The preparation of Ni-P ultrafine amorphous alloy particles by chemical reduction. <i>Applied Physics Letters</i> , 1991, 59, 3545-3546.	1.5	25
82	Tuning the field emission properties of AlN nanocones by doping. <i>Journal of Materials Chemistry C</i> , 2015, 3, 1113-1117.	2.7	24
83	Comprehensive electronic structure characterization of pristine and nitrogen/phosphorus doped carbon nanocages. <i>Carbon</i> , 2016, 103, 480-487.	5.4	23
84	Design of Thiazolo[5,4-d]thiazole-Bridged Ionic Covalent Organic Polymer for Highly Selective Oxygen Reduction to H ₂ O. <i>Chemistry of Materials</i> , 2020, 32, 8553-8560.	3.2	23
85	Thermally Conductive AlN Network Shield for Separators to Achieve Dendrite-Free Plating and Fast Li ⁺ Ion Transport toward Durable and High-Rate Lithium-Metal Anodes. <i>Advanced Science</i> , 2022, 9, e2200411.	5.6	23
86	High-performance Pt catalysts supported on hierarchical nitrogen-doped carbon nanocages for methanol electrooxidation. <i>Chinese Journal of Catalysis</i> , 2016, 37, 1149-1155.	6.9	22
87	Catalytic Activity and Impedance Behavior of Screen-Printed Nickel Oxide as Efficient Water Oxidation Catalysts. <i>ChemSusChem</i> , 2015, 8, 4266-4274.	3.6	20
88	Promoting the Electrochemical Performances by Chemical Depositing of Gold Nanoparticles Inside Pores of 3D Nitrogen-Doped Carbon Nanocages. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 31968-31976.	4.0	20
89	Structural and Compositional Regulation of Nitrogen-Doped Carbon Nanotubes with Nitrogen-Containing Aromatic Precursors. <i>Journal of Physical Chemistry C</i> , 2013, 117, 7811-7817.	1.5	18
90	Boosting oxygen reduction activity of spinel CoFe ₂ O ₄ by strong interaction with hierarchical nitrogen-doped carbon nanocages. <i>Science Bulletin</i> , 2017, 62, 1365-1372.	4.3	18

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91	Deposition-Pressure-Induced Optimization of Molecular Packing for High-Performance Organic Thin-Film Transistors Based on Copper Phthalocyanine. <i>Journal of Physical Chemistry C</i> , 2012, 116, 4287-4292.	1.5	17
92	Advanced non-precious electrocatalyst of the mixed valence CoO _x nanocrystals supported on N-doped carbon nanocages for oxygen reduction. <i>Science China Chemistry</i> , 2015, 58, 180-186.	4.2	17
93	Formation of ultrafine amorphous alloy particles with uniform size by autocatalytic method. <i>Journal of Materials Science Letters</i> , 1993, 12, 1020-1021.	0.5	15
94	Six-Membered-Ring-Based Radical Mechanism for Catalytic Growth of Carbon Nanotubes with Benzene Precursor. <i>Journal of Physical Chemistry C</i> , 2009, 113, 16495-16502.	1.5	15
95	Chloride Ion as Redox Mediator in Reducing Charge Overpotential of Aprotic Lithium-Oxygen Batteries. <i>Batteries and Supercaps</i> , 2021, 4, 232-239.	2.4	15
96	Ruthenium-Functionalized Hierarchical Carbon Nanocages as Efficient Catalysts for Li-O ₂ Batteries. <i>ChemNanoMat</i> , 2017, 3, 415-419.	1.5	14
97	Spinel Nickel Cobaltite Mesostructures Assembled from Ultrathin Nanosheets for High-Performance Electrochemical Energy Storage. <i>ACS Applied Energy Materials</i> , 2018, 1, 684-691.	2.5	14
98	Synthesis of alloyed Zn _x Mn _x S nanowires with completely controlled compositions and tunable bandgaps. <i>RSC Advances</i> , 2018, 8, 374-379.	1.7	14
99	Improving field emission by constructing CsI-AlN hybrid nanostructures. <i>Journal of Materials Chemistry</i> , 2012, 22, 18578.	6.7	13
100	Doping sp ² carbon to boost the activity for oxygen reduction in an acidic medium: a theoretical exploration. <i>RSC Advances</i> , 2016, 6, 48498-48503.	1.7	13
101	Anion-induced morphological regulation of In(OH) ₃ nanostructures and their conversion into porous In ₂ O ₃ derivatives. <i>CrystEngComm</i> , 2012, 14, 3397.	1.3	11
102	Vertically Grown Few-Layer MoS ₂ Nanosheets on Hierarchical Carbon Nanocages for Pseudocapacitive Lithium Storage with Ultrahigh-Rate Capability and Long-Term Recyclability. <i>Chemistry - A European Journal</i> , 2019, 25, 3843-3848.	1.7	11
103	Solution-solid growth of metastable wurtzite Î ³ -MnS nanowires with controlled length. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6493-6496.	2.7	11
104	Carbon Nanocages: Nitrogen-Doped Carbon Nanocages as Efficient Metal-Free Electrocatalysts for Oxygen Reduction Reaction (<i>Adv. Mater.</i> 41/2012). <i>Advanced Materials</i> , 2012, 24, 5646-5646.	11.1	10
105	The Influence of Pd Particles Distribution Position on Pd/CNTs Catalyst for Acetylene Selective Hydrogenation. <i>Catalysis Letters</i> , 2014, 144, 2198-2203.	1.4	10
106	Enlarging ion-transfer micropore channels of hierarchical carbon nanocages for ultrahigh energy and power densities. <i>Science China Materials</i> , 2021, 64, 2173-2181.	3.5	10
107	Free-Standing Monolithic Sulfur Cathode of Reduced Graphene Oxide Wrapped Sulfur-Filled Carbon Nanocages with High Areal Capacity. <i>Acta Chimica Sinica</i> , 2018, 76, 627.	0.5	10
108	The Composite-Template Method to Construct Hierarchical Carbon Nanocages for Supercapacitors with Ultrahigh Energy and Power Densities. <i>Small</i> , 2022, 18, e2107082.	5.2	10

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109	Modified redox synthesis and electrochemical properties of potassium manganese oxide nanowires. <i>Journal of Materials Chemistry</i> , 2011, 21, 17904.	6.7	8
110	Morphology-controlled growth of chromium silicide nanostructures and their field emission properties. <i>CrystEngComm</i> , 2012, 14, 1659-1664.	1.3	8
111	Effective enhancement of electrochemical energy storage of cobalt-based nanocrystals by hybridization with nitrogen-doped carbon nanocages. <i>Science China Materials</i> , 2019, 62, 1393-1402.	3.5	8
112	Confinement and Electrocatalysis of Cerium Fluoride Nanocages to Boost the Lithium-Sulfur Batteries Performance. <i>Small Structures</i> , 2022, 3, .	6.9	8
113	Defect-induced deposition of manganese oxides on hierarchical carbon nanocages for high-performance lithium-oxygen batteries. <i>Nano Research</i> , 2022, 15, 4132-4136.	5.8	7
114	Title is missing!. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2000, 36, 473-478.	1.6	6
115	Supercapacitor Nanostructures: Carbon Nanocages as Supercapacitor Electrode Materials (Adv.) <i>TJ ETQq1</i> 1 0.784314 rgBT /Overlock 11.1	11.1	6
116	Low-voltage organic field-effect transistors based on novel high- β organometallic lanthanide complex for gate insulating materials. <i>AIP Advances</i> , 2014, 4, .	0.6	6
117	Carbon Nanocages Supported LiFePO_4 Nanoparticles as High-Performance Cathode for Lithium Ion Batteries. <i>Acta Chimica Sinica</i> , 2014, 72, 653.	0.5	6
118	Field emission of comb-like chromium disilicide nanowires prepared by an in situ chloride-generated route. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 103, 67-72.	1.1	5
119	Nonmacrocyclic Iron(II) Soluble Redox Mediators Leading to High-Rate Li-O_2 Battery. <i>CCS Chemistry</i> , 2021, 3, 1350-1358.	4.6	5
120	Synthesis and Electrocatalytic Oxygen Reduction Performance of the Sulfur-Doped Carbon Nanocages. <i>Acta Chimica Sinica</i> , 2014, 72, 1070.	0.5	5
121	Synthesis of carbon nanowires using dc pulsed corona discharge plasma reaction. <i>Journal of Materials Science</i> , 2004, 39, 283-284.	1.7	4
122	Electrochemiluminescence of CdSe Quantum Dots Compositied with Nitrogen-Doped Carbon Nanotubes. <i>Electroanalysis</i> , 2009, 21, 2495-2498.	1.5	4
123	Scanning transmission X-ray microscopy and X-ray absorption near-edge structure studies of N-doped carbon nanotubes sealed with N_2 gas. <i>Journal of Applied Physics</i> , 2012, 111, 124318.	1.1	4
124	Pentacene thin film transistor with low threshold voltage and high mobility by inserting a thin metal phthalocyanines interlayer. <i>Science China Technological Sciences</i> , 2012, 55, 417-420.	2.0	4
125	Phase-equilibrium-dominated vapor-liquid-solid mechanism: further evidence. <i>Science China Materials</i> , 2016, 59, 20-27.	3.5	3
126	Morphology and composition evolution of one-dimensional $\text{In}_x\text{Al}_{1-x}\text{N}$ nanostructures induced by the vapour pressure ratio. <i>CrystEngComm</i> , 2016, 18, 213-217.	1.3	3

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127	Hierarchical Carbon Nanocages as Efficient Catalysts for Oxidative Coupling of Benzylamine to <i>N</i> -Benzylidene Benzylamine. <i>Acta Chimica Sinica</i> , 2021, 79, 539.	0.5	3
128	Enhancing the Reduction Kinetics of LiFePO ₄ Batteries by Dispersed Cobalt Phthalocyanines on Porous Carbon. <i>Small</i> , 2021, 17, e2103778.	5.2	3
129	Field-emission of TiSi ₂ thin film deposited by an in situ chloride-generated route. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010, 28, 1093-1096.	0.6	2
130	Fullerene-Related Nanocarbons and Their Applications. <i>Journal of Nanotechnology</i> , 2012, 2012, 1-2.	1.5	2
131	Remarkable reduction in the threshold voltage of pentacene-based thin film transistors with pentacene/CuPc sandwich configuration. <i>AIP Advances</i> , 2014, 4, 067126.	0.6	2
132	Carbon Nanocages//Tungsten Trioxide Nanorods Supercapacitors with <i>in situ</i> Polymerized Gel Electrolytes. <i>Acta Chimica Sinica</i> , 2021, 79, 755.	0.5	2
133	Surface state and catalytic activity of ultrafine amorphous NiB alloy particles prepared by chemical reduction. <i>Journal of Materials Science Letters</i> , 1993, 12, 596-597.	0.5	2
134	Chemical preparation and investigation of Fe-P-B ultrafine amorphous alloy particles. <i>Science in China Series B: Chemistry</i> , 1997, 40, 261-269.	0.8	1
135	Growth mechanism, structural regulation and functionalization of carbon-based nanotubes. , 2010, , .		1
136	Constructing monolithic sulfur cathodes with multifunctional N,P dual-doped carbon nanocages to achieve high-areal-capacity lithium-sulfur batteries. <i>FlatChem</i> , 2021, 28, 100253.	2.8	1
137	Preparation And Magnetic Properties Of Fe-P-B Ultrafine Amorphous Alloy Particles. , 1993, , .		0
138	Patterned growth and field emission properties of AlN nanocones. , 2010, , .		0