# Zheng Hu

## List of Publications by Citations



| | | | |
|---|---|---|---|
| 135 papers | 10,456 citations | 46 h-index | 101 g-index |
| 142 ext. papers | 11,712 ext. citations | 10.9 avg, IF | 6.21 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 135 | Boron-doped carbon nanotubes as metal-free electrocatalysts for the oxygen reduction reaction. *Angewandte Chemie - International Edition*, **2011**, 50, 7132-5 | 16.4 | 983 |
| 134 | Can boron and nitrogen co-doping improve oxygen reduction reaction activity of carbon nanotubes?. *Journal of the American Chemical Society*, **2013**, 135, 1201-4 | 16.4 | 737 |
| 133 | Nitrogen-doped carbon nanocages as efficient metal-free electrocatalysts for oxygen reduction reaction. *Advanced Materials*, **2012**, 24, 5593-7, 5646 | 24 | 629 |
| 132 | Hydrophilic Hierarchical Nitrogen-Doped Carbon Nanocages for Ultrahigh Supercapacitive Performance. *Advanced Materials*, **2015**, 27, 3541-5 | 24 | 573 |
| 131 | Carbon nanocages as supercapacitor electrode materials. *Advanced Materials*, **2012**, 24, 347-52 | 24 | 441 |
| 130 | Carbon-Based Metal-Free ORR Electrocatalysts for Fuel Cells: Past, Present, and Future. *Advanced Materials*, **2019**, 31, e1804799 | 24 | 412 |
| 129 | Significant Contribution of Intrinsic Carbon Defects to Oxygen Reduction Activity. *ACS Catalysis*, **2015**, 5, 6707-6712 | 13.1 | 400 |
| 128 | Boron-Doped Carbon Nanotubes as Metal-Free Electrocatalysts for the Oxygen Reduction Reaction. *Angewandte Chemie*, **2011**, 123, 7270-7273 | 3.6 | 314 |
| 127 | Porous 3D Few-Layer Graphene-like Carbon for Ultrahigh-Power Supercapacitors with Well-Defined Structure-Performance Relationship. *Advanced Materials*, **2017**, 29, 1604569 | 24 | 310 |
| 126 | Recent advances in understanding of the mechanism and control of LiO formation in aprotic Li-O batteries. *Chemical Society Reviews*, **2017**, 46, 6046-6072 | 58.5 | 235 |
| 125 | Hierarchical carbon nanocages confining high-loading sulfur for high-rate lithium–sulfur batteries. *Nano Energy*, **2015**, 12, 657-665 | 17.1 | 196 |
| 124 | CNx nanofibers converted from polypyrrole nanowires as platinum support for methanol oxidation. *Energy and Environmental Science*, **2009**, 2, 224-229 | 35.4 | 196 |
| 123 | Single Cobalt Atom and N Codoped Carbon Nanofibers as Highly Durable Electrocatalyst for Oxygen Reduction Reaction. *ACS Catalysis*, **2017**, 7, 6864-6871 | 13.1 | 189 |
| 122 | An Amperometric Biosensor Based on the Coimmobilization of Horseradish Peroxidase and Methylene Blue on a Carbon Nanotubes Modified Electrode. *Electroanalysis*, **2003**, 15, 219-224 | 3 | 188 |
| 121 | Facile Construction of Pt-Co/CNx Nanotube Electrocatalysts and Their Application to the Oxygen Reduction Reaction. *Advanced Materials*, **2009**, 21, 4953-4956 | 24 | 185 |
| 120 | Mesostructured NiO/Ni composites for high-performance electrochemical energy storage. *Energy and Environmental Science*, **2016**, 9, 2053-2060 | 35.4 | 180 |
| 119 | Compressing Carbon Nanocages by Capillarity for Optimizing Porous Structures toward Ultrahigh-Volumetric-Performance Supercapacitors. *Advanced Materials*, **2017**, 29, 1700470 | 24 | 178 |

| | | | |
|---|---|---|---|
| 118 | Promotion Effects of Nitrogen Doping into Carbon Nanotubes on Supported Iron Fischer–Tropsch Catalysts for Lower Olefins. *ACS Catalysis*, **2014**, 4, 613-621 | 13.1 | 178 |
| 117 | Porous-Shell Vanadium Nitride Nanobubbles with Ultrahigh Areal Sulfur Loading for High-Capacity and Long-Life Lithium-Sulfur Batteries. *Nano Letters*, **2017**, 17, 7839-7846 | 11.5 | 172 |
| 116 | From Carbon-Based Nanotubes to Nanocages for Advanced Energy Conversion and Storage. *Accounts of Chemical Research*, **2017**, 50, 435-444 | 24.3 | 162 |
| 115 | Synthesis and Optical Characterization of Aluminum Nitride Nanobelts. *Journal of Physical Chemistry B*, **2003**, 107, 9726-9729 | 3.4 | 150 |
| 114 | Alloyed Co–Mo Nitride as High-Performance Electrocatalyst for Oxygen Reduction in Acidic Medium. *ACS Catalysis*, **2015**, 5, 1857-1862 | 13.1 | 149 |
| 113 | CNx nanotubes as catalyst support to immobilize platinum nanoparticles for methanol oxidation. *Journal of Materials Chemistry*, **2008**, 18, 1747 | | 146 |
| 112 | The simplest construction of single-site catalysts by the synergism of micropore trapping and nitrogen anchoring. *Nature Communications*, **2019**, 10, 1657 | 17.4 | 144 |
| 111 | Synthesis of Nanostructured Tungsten Oxide Thin Films: A Simple, Controllable, Inexpensive, Aqueous Sol–Gel Method. *Crystal Growth and Design*, **2010**, 10, 430-439 | 3.5 | 141 |
| 110 | Co nanoparticle embedded in atomically-dispersed Co-N-C nanofibers for oxygen reduction with high activity and remarkable durability. *Nano Energy*, **2018**, 52, 485-493 | 17.1 | 131 |
| 109 | 2D Single-Crystalline Molecular Semiconductors with Precise Layer Definition Achieved by Floating-Coffee-Ring-Driven Assembly. *Advanced Functional Materials*, **2016**, 26, 3191-3198 | 15.6 | 113 |
| 108 | Extended vapor–liquid–solid growth and field emission properties of aluminium nitride nanowires. *Journal of Materials Chemistry*, **2003**, 13, 2024-2027 | | 111 |
| 107 | In situ TA-MS study of the six-membered-ring-based growth of carbon nanotubes with benzene precursor. *Journal of the American Chemical Society*, **2004**, 126, 1180-3 | 16.4 | 100 |
| 106 | Synergism of C5N six-membered ring and vapor-liquid-solid growth of CN(x) nanotubes with pyridine precursor. *Journal of Physical Chemistry B*, **2006**, 110, 16422-7 | 3.4 | 96 |
| 105 | Improved photocurrents for p-type dye-sensitized solar cells using nano-structured nickel(II) oxide microballs. *Energy and Environmental Science*, **2012**, 5, 8896 | 35.4 | 94 |
| 104 | Efficient synergism of electrocatalysis and physical confinement leading to durable high-power lithium-sulfur batteries. *Nano Energy*, **2019**, 57, 34-40 | 17.1 | 73 |
| 103 | Nitrogen-doped carbon nanotubes functionalized by transition metal atoms: a density functional study. *Journal of Materials Chemistry*, **2010**, 20, 1702 | | 70 |
| 102 | Effect of oxygen adsorbability on the control of Li2O2 growth in Li-O2 batteries: Implications for cathode catalyst design. *Nano Energy*, **2017**, 36, 68-75 | 17.1 | 69 |
| 101 | CoO-modified Co4N as a heterostructured electrocatalyst for highly efficient overall water splitting in neutral media. *Journal of Materials Chemistry A*, **2018**, 6, 24767-24772 | 13 | 69 |

| | | | |
|---|---|---|---|
| 100 | Hierarchical carbon nanocages as high-rate anodes for Li- and Na-ion batteries. *Nano Research*, **2015**, 8, 3535-3543 | 10 | 64 |
| 99 | Encapsulation of Iron Nitride by FeNC Shell Enabling Highly Efficient Electroreduction of CO2 to CO. *ACS Energy Letters*, **2018**, 3, 1205-1211 | 20.1 | 60 |
| 98 | A practical route to the production of carbon nanocages. *Carbon*, **2005**, 43, 1667-1672 | 10.4 | 59 |
| 97 | 6-Fold-Symmetrical AlN Hierarchical Nanostructures: Synthesis and Field-Emission Properties. *Journal of Physical Chemistry C*, **2009**, 113, 4053-4058 | 3.8 | 58 |
| 96 | Boost up carrier mobility for ferroelectric organic transistor memory via buffering interfacial polarization fluctuation. *Scientific Reports*, **2014**, 4, 7227 | 4.9 | 57 |
| 95 | Direct immobilization of PtRu alloy nanoparticles on nitrogen-doped carbon nanotubes with superior electrocatalytic performance. *Journal of Power Sources*, **2010**, 195, 7578-7582 | 8.9 | 51 |
| 94 | Hierarchical sulfur and nitrogen co-doped carbon nanocages as efficient bifunctional oxygen electrocatalysts for rechargeable Zn-air battery. *Journal of Energy Chemistry*, **2019**, 34, 64-71 | 12 | 50 |
| 93 | Sulfur and Nitrogen Codoped Carbon Tubes as Bifunctional Metal-Free Electrocatalysts for Oxygen Reduction and Hydrogen Evolution in Acidic Media. *Chemistry - A European Journal*, **2016**, 22, 10326-9 | 4.8 | 49 |
| 92 | Preparation of graphene supported nickel nanoparticles and their application to methanol electrooxidation in alkaline medium. *New Journal of Chemistry*, **2012**, 36, 1108 | 3.6 | 48 |
| 91 | Aligned ZnO Nanorods with Tunable Size and Field Emission on Native Si Substrate Achieved via Simple Electrodeposition. *Journal of Physical Chemistry C*, **2010**, 114, 189-193 | 3.8 | 47 |
| 90 | Self-templated synthesis of polycrystalline hollow aluminium nitride nanospheres. *Journal of Materials Chemistry*, **2006**, 16, 2834 | | 47 |
| 89 | Multiple-Step Humidity-Induced Single-Crystal to Single-Crystal Transformations of a Cobalt Phosphonate: Structural and Proton Conductivity Studies. *Inorganic Chemistry*, **2016**, 55, 3706-12 | 5.1 | 45 |
| 88 | Carbon-Based Nanocages: A New Platform for Advanced Energy Storage and Conversion. *Advanced Materials*, **2020**, 32, e1904177 | 24 | 45 |
| 87 | Is iron nitride or carbide highly active for oxygen reduction reaction in acidic medium?. *Catalysis Science and Technology*, **2017**, 7, 51-55 | 5.5 | 42 |
| 86 | Zinc-Tiered Synthesis of 3D Graphene for Monolithic Electrodes. *Advanced Materials*, **2019**, 31, e1901186 | 24 | 42 |
| 85 | A mini review on carbon-based metal-free electrocatalysts for oxygen reduction reaction. *Chinese Journal of Catalysis*, **2013**, 34, 1986-1991 | 11.3 | 39 |
| 84 | Sub-nanometer-scale fine regulation of interlayer distance in NiCo layered double hydroxides leading to high-rate supercapacitors. *Nano Energy*, **2020**, 76, 105026 | 17.1 | 38 |
| 83 | Enhanced cold field emission of large-area arrays of vertically aligned ZnO-nanotapers via sharpening: experiment and theory. *Scientific Reports*, **2014**, 4, 4676 | 4.9 | 35 |

| | | | |
|---|---|---|---|
| 82 | Synthesis of large-scale undoped and nitrogen-doped amorphous graphene on MgO substrate by chemical vapor deposition. *Journal of Materials Chemistry*, **2012**, 22, 19679 | | 35 |
| 81 | Porous hierarchical nickel nanostructures and their application as a magnetically separable catalyst. *Journal of Materials Chemistry*, **2012**, 22, 11927 | | 35 |
| 80 | Investigation of Ni-P-B ultrafine amorphous alloy particles produced by chemical reduction. *Journal of Applied Physics*, **1992**, 71, 5217-5221 | 2.5 | 35 |
| 79 | Efficient Ternary Synergism of Platinum/Tin Oxide/Nitrogen-Doped Carbon Leading to High-Performance Ethanol Oxidation. *ACS Catalysis*, **2018**, 8, 8477-8483 | 13.1 | 32 |
| 78 | Carbon monoxide hydrogenation on Fe2O3/ZrO2 catalysts. *Catalysis Letters*, **1996**, 36, 139-144 | 2.8 | 32 |
| 77 | Electrocatalysis of S-doped carbon with weak polysulfide adsorption enhances lithium-sulfur battery performance. *Chemical Communications*, **2019**, 55, 6365-6368 | 5.8 | 31 |
| 76 | In situ construction of porous hierarchical (Ni3-xFex)FeN/Ni heterojunctions toward efficient electrocatalytic oxygen evolution. *Nano Research*, **2020**, 13, 328-334 | 10 | 31 |
| 75 | Carbon-nitrogen/graphene composite as metal-free electrocatalyst for the oxygen reduction reaction. *Science Bulletin*, **2011**, 56, 3583-3589 | | 31 |
| 74 | A study of Fe-Ni-B ultrafine alloy particles produced by reduction with borohydride. *Journal of Applied Physics*, **1991**, 70, 436-438 | 2.5 | 31 |
| 73 | Stabilizing the active phase of iron-based Fischer-Tropsch catalysts for lower olefins: mechanism and strategy. *Chemical Science*, **2019**, 10, 6083-6090 | 9.4 | 30 |
| 72 | Artificial Construction of the Magnetically Separable Nanocatalyst by Anchoring Pt Nanoparticles on Functionalized Carbon-Encapsulated Nickel Nanoparticles. *Journal of Physical Chemistry C*, **2008**, 112, 472-475 | 3.8 | 30 |
| 71 | Manganese oxide-induced strategy to high-performance iron/nitrogen/carbon electrocatalysts with highly exposed active sites. *Nanoscale*, **2016**, 8, 8480-5 | 7.7 | 28 |
| 70 | Advanced Ni-Nx-C single-site catalysts for CO2 electroreduction to CO based on hierarchical carbon nanocages and S-doping. *Nano Research*, **2020**, 13, 2777-2783 | 10 | 25 |
| 69 | Axial ligand effect on the stability of Fe-N-C electrocatalysts for acidic oxygen reduction reaction. *Nano Energy*, **2020**, 78, 105128 | 17.1 | 25 |
| 68 | Superionic conductor-mediated growth of ternary ZnCdS nanorods over a wide composition range. *Nano Research*, **2015**, 8, 584-591 | 10 | 24 |
| 67 | The preparation of Ni-P ultrafine amorphous alloy particles by chemical reduction. *Applied Physics Letters*, **1991**, 59, 3545-3546 | 3.4 | 24 |
| 66 | Carbon-Based Nanocages: Carbon-Based Nanocages: A New Platform for Advanced Energy Storage and Conversion (Adv. Mater. 27/2020). *Advanced Materials*, **2020**, 32, 2070206 | 24 | 23 |
| 65 | Convenient immobilization of Pt-Sn bimetallic catalysts on nitrogen-doped carbon nanotubes for direct alcohol electrocatalytic oxidation. *Nanotechnology*, **2011**, 22, 395401 | 3.4 | 23 |

| | | | |
|---|---|---|---|
| 64 | Mesostructured carbon-based nanocages: an advanced platform for energy chemistry. *Science China Chemistry*, **2020**, 63, 665-681 | 7.9 | 22 |
| 63 | Alcohol-Tolerant Platinum Electrocatalyst for Oxygen Reduction by Encapsulating Platinum Nanoparticles inside Nitrogen-Doped Carbon Nanocages. *ACS Applied Materials & Interfaces*, **2016**, 8, 16664-9 | 9.5 | 22 |
| 62 | Tuning the field emission properties of AlN nanocones by doping. *Journal of Materials Chemistry C*, **2015**, 3, 1113-1117 | 7.1 | 21 |
| 61 | Achieving Ultrahigh Volumetric Energy Storage by Compressing Nitrogen and Sulfur Dual-Doped Carbon Nanocages via Capillarity. *Advanced Materials*, **2020**, 32, e2004632 | 24 | 21 |
| 60 | Comprehensive electronic structure characterization of pristine and nitrogen/phosphorus doped carbon nanocages. *Carbon*, **2016**, 103, 480-487 | 10.4 | 19 |
| 59 | Tailoring the nano heterointerface of hematite/magnetite on hierarchical nitrogen-doped carbon nanocages for superb oxygen reduction. *Journal of Materials Chemistry A*, **2018**, 6, 21313-21319 | 13 | 19 |
| 58 | Catalytic Activity and Impedance Behavior of Screen-Printed Nickel Oxide as Efficient Water Oxidation Catalysts. *ChemSusChem*, **2015**, 8, 4266-74 | 8.3 | 18 |
| 57 | Structural and Compositional Regulation of Nitrogen-Doped Carbon Nanotubes with Nitrogen-Containing Aromatic Precursors. *Journal of Physical Chemistry C*, **2013**, 117, 7811-7817 | 3.8 | 18 |
| 56 | Encapsulation of Red Phosphorus in Carbon Nanocages with Ultrahigh Content for High-Capacity and Long Cycle Life Sodium-Ion Batteries. *ACS Nano*, **2021**, 15, 5679-5688 | 16.7 | 18 |
| 55 | Advanced non-precious electrocatalyst of the mixed valence CoO x nanocrystals supported on N-doped carbon nanocages for oxygen reduction. *Science China Chemistry*, **2015**, 58, 180-186 | 7.9 | 17 |
| 54 | A general strategy to construct yolk-shelled metal oxides inside carbon nanocages for high-stable lithium-ion battery anodes. *Nano Energy*, **2020**, 68, 104368 | 17.1 | 17 |
| 53 | Identifying Iron-Nitrogen/Carbon Active Structures for Oxygen Reduction Reaction under the Effect of Electrode Potential. *Journal of Physical Chemistry Letters*, **2020**, 11, 2896-2901 | 6.4 | 16 |
| 52 | Deposition-Pressure-Induced Optimization of Molecular Packing for High-Performance Organic Thin-Film Transistors Based on Copper Phthalocyanine. *Journal of Physical Chemistry C*, **2012**, 116, 4287-4292 | 3.8 | 16 |
| 51 | High-performance Pt catalysts supported on hierarchical nitrogen-doped carbon nanocages for methanol electrooxidation. *Chinese Journal of Catalysis*, **2016**, 37, 1149-1155 | 11.3 | 16 |
| 50 | Promoting the Electrochemical Performances by Chemical Depositing of Gold Nanoparticles Inside Pores of 3D Nitrogen-Doped Carbon Nanocages. *ACS Applied Materials & Interfaces*, **2017**, 9, 31968-31976 | 9.5 | 15 |
| 49 | Six-Membered-Ring-Based Radical Mechanism for Catalytic Growth of Carbon Nanotubes with Benzene Precursor. *Journal of Physical Chemistry C*, **2009**, 113, 16495-16502 | 3.8 | 15 |
| 48 | Boosting oxygen reduction activity of spinel CoFe2O4 by strong interaction with hierarchical nitrogen-doped carbon nanocages. *Science Bulletin*, **2017**, 62, 1365-1372 | 10.6 | 13 |
| 47 | Formation of ultrafine amorphous alloy particles with uniform size by autocatalytic method. *Journal of Materials Science Letters*, **1993**, 12, 1020-1021 | | 13 |

| | | | |
|---|---|---|---|
| 46 | Ruthenium-Functionalized Hierarchical Carbon Nanocages as Efficient Catalysts for Li-O2 Batteries. *ChemNanoMat*, **2017**, 3, 415-419 | 3.5 | 12 |
| 45 | Spinel Nickel Cobaltite Mesostructures Assembled from Ultrathin Nanosheets for High-Performance Electrochemical Energy Storage. *ACS Applied Energy Materials*, **2018**, 1, 684-691 | 6.1 | 11 |
| 44 | Synthesis of alloyed Zn1−xMnxS nanowires with completely controlled compositions and tunable bandgaps. *RSC Advances*, **2018**, 8, 374-379 | 3.7 | 11 |
| 43 | Improving field emission by constructing CsI/AlN hybrid nanostructures. *Journal of Materials Chemistry*, **2012**, 22, 18578 | | 11 |
| 42 | Doping sp2 carbon to boost the activity for oxygen reduction in an acidic medium: a theoretical exploration. *RSC Advances*, **2016**, 6, 48498-48503 | 3.7 | 11 |
| 41 | Solution–solid–solid growth of metastable wurtzite β-MnS nanowires with controlled length. *Journal of Materials Chemistry C*, **2017**, 5, 6493-6496 | 7.1 | 9 |
| 40 | Design of Thiazolo[5,4-d]thiazole-Bridged Ionic Covalent Organic Polymer for Highly Selective Oxygen Reduction to H2O2. *Chemistry of Materials*, **2020**, 32, 8553-8560 | 9.6 | 9 |
| 39 | Construction of hierarchical FeNi3@(Fe,Ni)S2 core-shell heterojunctions for advanced oxygen evolution. *Nano Research*, **2021**, 14, 4220 | 10 | 9 |
| 38 | Anion-induced morphological regulation of In(OH)3 nanostructures and their conversion into porous In2O3 derivatives. *CrystEngComm*, **2012**, 14, 3397 | 3.3 | 8 |
| 37 | Morphology-controlled growth of chromium silicide nanostructures and their field emission properties. *CrystEngComm*, **2012**, 14, 1659-1664 | 3.3 | 8 |
| 36 | Modified redox synthesis and electrochemical properties of potassium manganese oxide nanowires. *Journal of Materials Chemistry*, **2011**, 21, 17904 | | 8 |
| 35 | Free-Standing Monolithic Sulfur Cathode of Reduced Graphene Oxide Wrapped Sulfur-Filled Carbon Nanocages with High Areal Capacity. *Acta Chimica Sinica*, **2018**, 76, 627 | 3.3 | 8 |
| 34 | Vertically Grown Few-Layer MoS Nanosheets on Hierarchical Carbon Nanocages for Pseudocapacitive Lithium Storage with Ultrahigh-Rate Capability and Long-Term Recyclability. *Chemistry - A European Journal*, **2019**, 25, 3843-3848 | 4.8 | 8 |
| 33 | Effective enhancement of electrochemical energy storage of cobalt-based nanocrystals by hybridization with nitrogen-doped carbon nanocages. *Science China Materials*, **2019**, 62, 1393-1402 | 7.1 | 7 |
| 32 | The Influence of Pd Particles Distribution Position on Pd/CNTs Catalyst for Acetylene Selective Hydrogenation. *Catalysis Letters*, **2014**, 144, 2198-2203 | 2.8 | 7 |
| 31 | Carbon Nanocages: Nitrogen-Doped Carbon Nanocages as Efficient Metal-Free Electrocatalysts for Oxygen Reduction Reaction (Adv. Mater. 41/2012). *Advanced Materials*, **2012**, 24, 5646-5646 | 24 | 7 |
| 30 | Supercapacitor Nanostructures: Carbon Nanocages as Supercapacitor Electrode Materials (Adv. Mater. 3/2012). *Advanced Materials*, **2012**, 24, 346-346 | 24 | 6 |
| 29 | A Facile Method of Synthesis of a Calix[4]arene Amide and the Crystal Structure of a Self-assembled Calix[4]arene Amide via van Der Waals Interaction. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2000**, 36, 473-478 | | 6 |

| | | | |
|---|---|---|---|
| 28 | Carbon Nanocages Supported LiFePO4Nanoparticles as High-Performance Cathode for Lithium Ion Batteries. *Acta Chimica Sinica*, **2014**, 72, 653 | 3.3 | 6 |
| 27 | Low-voltage organic field-effect transistors based on novel high-□rganometallic lanthanide complex for gate insulating materials. *AIP Advances*, **2014**, 4, 087140 | 1.5 | 5 |
| 26 | Field emission of comb-like chromium disilicide nanowires prepared by an in situ chloride-generated route. *Applied Physics A: Materials Science and Processing*, **2011**, 103, 67-72 | 2.6 | 5 |
| 25 | Chloride Ion as Redox Mediator in Reducing Charge Overpotential of Aprotic Lithium-Oxygen Batteries. *Batteries and Supercaps*, **2021**, 4, 232-239 | 5.6 | 5 |
| 24 | Pentacene thin film transistor with low threshold voltage and high mobility by inserting a thin metal phthalocyanines interlayer. *Science China Technological Sciences*, **2012**, 55, 417-420 | 3.5 | 4 |
| 23 | Scanning transmission X-ray microscopy and X-ray absorption near-edge structure studies of N-doped carbon nanotubes sealed with N2 gas. *Journal of Applied Physics*, **2012**, 111, 124318 | 2.5 | 4 |
| 22 | Synthesis and Electrocatalytic Oxygen Reduction Performance of the Sulfur-Doped Carbon Nanocages. *Acta Chimica Sinica*, **2014**, 72, 1070 | 3.3 | 4 |
| 21 | Enlarging ion-transfer micropore channels of hierarchical carbon nanocages for ultrahigh energy and power densities. *Science China Materials*, **2021**, 64, 2173-2181 | 7.1 | 4 |
| 20 | Morphology and composition evolution of one-dimensional InxAl1□N nanostructures induced by the vapour pressure ratio. *CrystEngComm*, **2016**, 18, 213-217 | 3.3 | 3 |
| 19 | Tuning metal catalysts via nitrogen-doped nanocarbons for energy chemistry: From metal nanoparticles to single metal sites. *EnergyChem*, **2021**, 3, 100066 | 36.9 | 3 |
| 18 | Phase-equilibrium-dominated vapor-liquid-solid mechanism: further evidence. *Science China Materials*, **2016**, 59, 20-27 | 7.1 | 2 |
| 17 | Remarkable reduction in the threshold voltage of pentacene-based thin film transistors with pentacene/CuPc sandwich configuration. *AIP Advances*, **2014**, 4, 067126 | 1.5 | 2 |
| 16 | Field-emission of TiSi2 thin film deposited by an in situ chloride-generated route. *Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics*, **2010**, 28, 1093-1096 | 1.3 | 2 |
| 15 | Synthesis of carbon nanowires using dc pulsed corona discharge plasma reaction. *Journal of Materials Science*, **2004**, 39, 283-284 | 4.3 | 2 |
| 14 | Nonmacrocyclic Iron(II) Soluble Redox Mediators Leading to High-Rate Li□ 2 Battery. *CCS Chemistry*, **2021**, 3, 1350-1358 | 7.2 | 2 |
| 13 | Carbon-Based, Metal-Free Catalysts for Electrocatalysis of ORR **2018**, 335-368 | | 2 |
| 12 | 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.. *Advanced Science*, **2022**, e2200411 | 13.6 | 2 |
| 11 | Fullerene-Related Nanocarbons and Their Applications. *Journal of Nanotechnology*, **2012**, 2012, 1-2 | 3.5 | 1 |

| | | | |
|---|---|---|---|
| 10 | Growth mechanism, structural regulation and functionalization of carbon-based nanotubes **2010**, | | 1 |
| 9 | Chemical preparation and investigation of Fe-P-B ultrafine amorphous alloy particles. *Science in China Series B: Chemistry*, **1997**, 40, 261-269 | | 1 |
| 8 | Surface state and catalytic activity of ultrafine amorphous NiB alloy particles prepared by chemical reduction. *Journal of Materials Science Letters*, **1993**, 12, 596-597 | | 1 |
| 7 | Hierarchical Carbon Nanocages as Efficient Catalysts for Oxidative Coupling of Benzylamine to N-Benzylidene Benzylamine. *Acta Chimica Sinica*, **2021**, 79, 539 | 3.3 | 1 |
| 6 | Constructing monolithic sulfur cathodes with multifunctional N,P dual-doped carbon nanocages to achieve high-areal-capacity lithium-sulfur batteries. *FlatChem*, **2021**, 28, 100253 | 5.1 | 1 |
| 5 | The Composite-Template Method to Construct Hierarchical Carbon Nanocages for Supercapacitors with Ultrahigh Energy and Power Densities.. *Small*, **2022**, e2107082 | 11 | 1 |
| 4 | Enhancing the Reduction Kinetics of Li?SF Batteries by Dispersed Cobalt Phthalocyanines on Porous Carbon. *Small*, **2021**, 17, e2103778 | 11 | 0 |
| 3 | Carbon Nanocages//Tungsten Trioxide Nanorods Supercapacitors with in situ Polymerized Gel Electrolytes. *Acta Chimica Sinica*, **2021**, 79, 755 | 3.3 | 0 |
| 2 | Defect-induced deposition of manganese oxides on hierarchical carbon nanocages for high-performance lithium-oxygen batteries. *Nano Research*,1 | 10 | 0 |
| 1 | Sulfur and Nitrogen Codoped Carbon Tubes as Bifunctional Metal-Free Electrocatalysts for Oxygen Reduction and Hydrogen Evolution in Acidic Media. *Chemistry - A European Journal*, **2016**, 22, 10261-10261 | 4.8 | |