

# Xiao-Ying Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

383  
papers

11,816  
citations

29994

54  
h-index

51492

86  
g-index

400  
all docs

400  
docs citations

400  
times ranked

13694  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | High-Energy/Power and Low-Temperature Cathode for Sodium-Ion Batteries: In Situ XRD Study and Superior Full-Cell Performance. <i>Advanced Materials</i> , 2017, 29, 1701968.  | 11.1 | 350       |
| 2  | Palladium-Catalyzed C-H Aminations of Anilides with <i>N</i> -Fluorobenzenesulfonimide. <i>Journal of the American Chemical Society</i> , 2011, 133, 1694-1697.   | 6.6  | 328       |
| 3  | N-rich zeolite-like metal-organic framework with sodalite topology: high CO <sub>2</sub> uptake, selective gas adsorption and efficient drug delivery. <i>Chemical Science</i> , 2012, 3, 2114.   | 3.7  | 277       |
| 4  | Highly Regioselective Copper-Catalyzed Benzylic C-H Amination by <i>N</i> -Fluorobenzenesulfonimide. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1244-1247.  | 7.2  | 212       |
| 5  | A Scalable Strategy To Develop Advanced Anode for Sodium-Ion Batteries: Commercial Fe <sub>3</sub> O <sub>4</sub> -Derived Fe <sub>3</sub> O <sub>4</sub> @FeS with Superior Full-Cell Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 3581-3589.  | 4.0  | 209       |
| 6  | Regioselective Radical Aminofluorination of Styrenes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11079-11083.   | 7.2  | 200       |
| 7  | Burnout and its association with resilience in nurses: A cross-sectional study. <i>Journal of Clinical Nursing</i> , 2018, 27, 441-449.   | 1.4  | 176       |
| 8  | P <sub>2</sub> -Na <sub>2/3</sub> Ni <sub>1/3</sub> Mn <sub>5/9</sub> Al <sub>1/9</sub> O <sub>2</sub> Microparticles as Superior Cathode Material for Sodium-Ion Batteries: Enhanced Properties and Mechanism via Graphene Connection. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 20650-20659.         | 4.0  | 168       |
| 9  | In Situ Binding Sb Nanospheres on Graphene via Oxygen Bonds as Superior Anode for Ultrafast Sodium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 7790-7799.   | 4.0  | 167       |
| 10 | A self-destructive nanosweeper that captures and clears amyloid $\beta$ -peptides. <i>Nature Communications</i> , 2018, 9, 1802.  | 5.8  | 144       |
| 11 | A Practicable Li/Na-Ion Hybrid Full Battery Assembled by a High-Voltage Cathode and Commercial Graphite Anode: Superior Energy Storage Performance and Working Mechanism. <i>Advanced Energy Materials</i> , 2018, 8, 1702504.  | 10.2 | 142       |
| 12 | Nanoeffects promote the electrochemical properties of organic Na <sub>2</sub> C <sub>8</sub> H <sub>4</sub> O <sub>4</sub> as anode material for sodium-ion batteries. <i>Nano Energy</i> , 2015, 13, 450-457.  | 8.2  | 139       |
| 13 | Pseudocapacitance-boosted ultrafast Na storage in a pie-like FeS@C nanohybrid as an advanced anode material for sodium-ion full batteries. <i>Nanoscale</i> , 2018, 10, 9218-9225.  | 2.8  | 135       |
| 14 | Advanced P <sub>2</sub> -Na <sub>2/3</sub> Ni <sub>1/3</sub> Mn <sub>7/12</sub> Fe <sub>1/12</sub> O <sub>2</sub> Cathode Material with Suppressed P <sub>2</sub> -O <sub>2</sub> Phase Transition toward High-Performance Sodium-Ion Battery. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 34272-34282. | 4.0  | 127       |
| 15 | High-Performance and Low-Temperature Lithium-Sulfur Batteries: Synergism of Thermodynamic and Kinetic Regulation. <i>Advanced Energy Materials</i> , 2018, 8, 1703638.  | 10.2 | 124       |
| 16 | Metastable Marcasite-FeS <sub>2</sub> as a New Anode Material for Lithium Ion Batteries: CNFs-Improved Lithiation/Delithiation Reversibility and Li-Storage Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 10708-10716.   | 4.0  | 122       |
| 17 | Host Materials Transformable in Tumor Microenvironment for Homing Theranostics. <i>Advanced Materials</i> , 2017, 29, 1605869.  | 11.1 | 121       |
| 18 | Hollow Manganese Silicate Nanotubes with Tunable Secondary Nanostructures as Excellent Fenton-Type Catalysts for Dye Decomposition at Ambient Temperature. <i>Advanced Functional Materials</i> , 2016, 26, 7334-7342.  | 7.8  | 116       |

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|----|---|------|-----------|
| 19 | Covalent Organic Framework with Highly Accessible Carbonyls and $\pi$ -Cation Effect for Advanced Potassium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .   | 7.2  | 112       |
| 20 | Workplace violence against nurses: A cross-sectional study. <i>International Journal of Nursing Studies</i> , 2017, 72, 8-14.   | 2.5  | 111       |
| 21 | Shale-like $\text{Co}_3\text{O}_4$ for high performance lithium/sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8242-8248.   | 5.2  | 108       |
| 22 | Novel highly selective anion chemosensors based on 2,5-bis(2-hydroxyphenyl)-1,3,4-oxadiazole. <i>Tetrahedron Letters</i> , 2003, 44, 131-134.   | 0.7  | 105       |
| 23 | Dual-Porosity $\text{SiO}_2/\text{C}$ Nanocomposite with Enhanced Lithium Storage Performance. <i>Journal of Physical Chemistry C</i> , 2015, 119, 3495-3501.   | 1.5  | 105       |
| 24 | High rate capability and long-term cyclability of $\text{Li}_4\text{Ti}_4.9\text{V}_0.1\text{O}_{12}$ as anode material in lithium ion battery. <i>Electrochimica Acta</i> , 2011, 56, 8611-8617.   | 2.6  | 104       |
| 25 | The Effective Design of a Polysulfide-Trapped Separator at the Molecular Level for High Energy Density $\text{Li-S}$ Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 16108-16115.   | 4.0  | 103       |
| 26 | Design of donors with broad absorption regions and suitable frontier molecular orbitals to match typical acceptors via substitution on oligo(thienylenevinylene) toward solar cells. <i>Journal of Computational Chemistry</i> , 2012, 33, 1353-1363. | 1.5  | 99        |
| 27 | An unusual ten-connected self-penetrating metal-organic framework based on tetranuclear cobalt clusters. <i>Chemical Communications</i> , 2010, 46, 8383.   | 2.2  | 94        |
| 28 | Cross-Cycloaddition of Two Different Isocyanides: Chemoselective Heterodimerization and $[3+2]$ -Cyclization of 1,4-Diazabutatriene. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7077-7080.  | 7.2  | 91        |
| 29 | Boosting Polysulfide Redox Kinetics by Graphene-Supported Ni Nanoparticles with Carbon Coating. <i>Advanced Energy Materials</i> , 2020, 10, 2000907.   | 10.2 | 89        |
| 30 | Anionic Lanthanide Metal-Organic Frameworks: Selective Separation of Cationic Dyes, Solvatochromic Behavior, and Luminescent Sensing of $\text{Co(II)}$ Ion. <i>Inorganic Chemistry</i> , 2018, 57, 11463-11473.                                      | 1.9  | 88        |
| 31 | Prevalence and related influencing factors of depressive symptoms for empty-nest elderly living in the rural area of Yongzhou, China. <i>Archives of Gerontology and Geriatrics</i> , 2010, 50, 24-29.  | 1.4  | 87        |
| 32 | $\text{Li}_3\text{PO}_4$ -Coated $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ : A Stable High-Voltage Cathode Material for Lithium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2014, 20, 7479-7485.  | 1.7  | 87        |
| 33 | Double $[4 + 2]$ Cycloaddition Reaction To Approach a Large Acene with Even-Number Linearly Fused Benzene Rings: 6,9,16,19-Tetraphenyl-1,20,4,5,10,11,14,15-Tetrabenzooctatwistacene. <i>Journal of Organic Chemistry</i> , 2015, 80, 109-113.        | 1.7  | 86        |
| 34 | Dual-carbon enhanced silicon-based composite as superior anode material for lithium ion batteries. <i>Journal of Power Sources</i> , 2016, 307, 738-745.  | 4.0  | 81        |
| 35 | Supramolecular Nano-Aggregates Based on Bis(Pyrene) Derivatives for Lysosome-Targeted Cell Imaging. <i>Journal of Physical Chemistry C</i> , 2013, 117, 26811-26820.  | 1.5  | 79        |
| 36 | Understanding the anchoring effect of Graphene, BN, $\text{C}_2\text{N}$ and $\text{C}_3\text{N}_4$ monolayers for lithium-polysulfides in $\text{Li-S}$ batteries. <i>Applied Surface Science</i> , 2018, 434, 596-603.                              | 3.1  | 78        |

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|----|--|-----|-----------|
| 37 | Li-decorated porous graphene as a high-performance hydrogen storage material: A first-principles study. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 10099-10108.   | 3.8 | 77        |
| 38 | Quasi-Solid-State Sodium-Ion Full Battery with High-Power/Energy Densities. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 17903-17910.   | 4.0 | 74        |
| 39 | Dual responsive supramolecular nanogels for intracellular drug delivery. <i>Chemical Communications</i> , 2014, 50, 3789.  | 2.2 | 70        |
| 40 | Quantum Chemical Analysis of the Chemical Bonds in Tris(8-hydroxyquinolinato)aluminum as a Key Emitting Material for OLED. <i>Journal of Physical Chemistry A</i> , 2004, 108, 10296-10301.  | 1.1 | 69        |
| 41 | Preparation and Crystal Structure of Dual-Functional Precursor Complex Bis(acetylacetonato)nickel(II) with 4-Pyridyltetrahydrofulvalene. <i>Inorganic Chemistry</i> , 2006, 45, 6860-6863.   | 1.9 | 68        |
| 42 | Adsorption of phosgene molecule on the transition metal-doped graphene: First principles calculations. <i>Applied Surface Science</i> , 2017, 425, 340-350.  | 3.1 | 67        |
| 43 | A promising PMHS/PEO blend polymer electrolyte for all-solid-state lithium ion batteries. <i>Dalton Transactions</i> , 2018, 47, 14932-14937.  | 1.6 | 67        |
| 44 | The effects of resilience and turnover intention on nurses' burnout: Findings from a comparative cross-sectional study. <i>Journal of Clinical Nursing</i> , 2019, 28, 499-508.  | 1.4 | 66        |
| 45 | Spatial confinement of vertical arrays of lithiophilic SnS <sub>2</sub> nanosheets enables conformal Li nucleation/growth towards dendrite-free Li metal anode. <i>Energy Storage Materials</i> , 2021, 36, 504-513.   | 9.5 | 66        |
| 46 | Nanoscale Polysulfides Reactors Achieved by Chemical Au-S Interaction: Improving the Performance of Li-S Batteries on the Electrode Level. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 27959-27967.   | 4.0 | 65        |
| 47 | Exploring resilience in Chinese nurses: a cross-sectional study. <i>Journal of Nursing Management</i> , 2017, 25, 223-230.   | 1.4 | 65        |
| 48 | The First Nonthiolic, Odorless 1,3-Propanedithiol Equivalent and Its Application in Thioacetalization. <i>Journal of Organic Chemistry</i> , 2003, 68, 9148-9150.  | 1.7 | 63        |
| 49 | Target construction of ultrathin graphitic carbon encapsulated FeS hierarchical microspheres featuring superior low-temperature lithium/sodium storage properties. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7997-8005.   | 5.2 | 62        |
| 50 | Co <sub>3</sub> O <sub>4</sub> Nanospheres Embedded in a Nitrogen-Doped Carbon Framework: An Electrode with Fast Surface-Controlled Redox Kinetics for Lithium Storage. <i>ACS Energy Letters</i> , 2017, 2, 52-59.  | 8.8 | 61        |
| 51 | Water-Robust Zinc-Organic Framework with Mixed Nodes and Its Handy Mixed-Matrix Membrane for Highly Effective Luminescent Detection of Fe <sup>3+</sup> , CrO <sub>4</sub> <sup>2-</sup> , and Cr <sub>2</sub> O <sub>7</sub> <sup>2-</sup> in Aqueous Solution. <i>Inorganic Chemistry</i> , 2021, 60, 1716-1725. | 1.9 | 61        |
| 52 | Oxygen-Deficient Titanium Dioxide Nanosheets as More Effective Polysulfide Reservoirs for Lithium-Sulfur Batteries. <i>Chemistry - A European Journal</i> , 2017, 23, 9666-9673.   | 1.7 | 60        |
| 53 | A Novel Layered Sedimentary Rocks Structure of the Oxygen-Enriched Carbon for Ultrahigh-Rate-Performance Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 4233-4241.  | 4.0 | 58        |
| 54 | Naphthyl and Thionaphthyl End-Capped Oligothiophenes as Organic Semiconductors: Effect of Chain Length and End-Capping Groups. <i>Advanced Functional Materials</i> , 2007, 17, 1940-1951.   | 7.8 | 57        |

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|----|---|------|-----------|
| 55 | A biomimetic platelet based on assembling peptides initiates artificial coagulation. <i>Science Advances</i> , 2020, 6, eaaz4107.   | 4.7  | 56        |
| 56 | Radical Mechanism of Isocyanide-Alkyne Cycloaddition by Multicatalysis of Ag <sub>2</sub> CO <sub>3</sub> , Solvent, and Substrate. <i>ACS Catalysis</i> , 2015, 5, 6177-6184.  | 5.5  | 54        |
| 57 | Three-dimensional carbon nanotube networks enhanced sodium trimesic: a new anode material for sodium ion batteries and Na-storage mechanism revealed by ex situ studies. <i>Journal of Materials Chemistry A</i> , 2017, 5, 16622-16629.        | 5.2  | 54        |
| 58 | An FeP@C nanoarray vertically grown on graphene nanosheets: an ultrastable Li-ion battery anode with pseudocapacitance-boosted electrochemical kinetics. <i>Nanoscale</i> , 2019, 11, 1304-1312.  | 2.8  | 53        |
| 59 | Bis-pyrene-based supramolecular aggregates with reversibly mechanochromic and vapochromic responsiveness. <i>Journal of Materials Chemistry C</i> , 2014, 2, 1887.  | 2.7  | 52        |
| 60 | Polyvinylpyrrolidone (PVP) assisted synthesized nano-LiFePO <sub>4</sub> /C composite with enhanced low temperature performance. <i>Electrochimica Acta</i> , 2013, 97, 92-98.  | 2.6  | 51        |
| 61 | Study on a highly selective fluorescent chemosensor for Fe <sup>3+</sup> based on 1,3,4-oxadiazole and phosphonic acid. <i>Sensors and Actuators B: Chemical</i> , 2014, 200, 259-268.  | 4.0  | 51        |
| 62 | A new strategy for developing superior electrode materials for advanced batteries: using a positive cycling trend to compensate the negative one to achieve ultralong cycling stability. <i>Nanoscale Horizons</i> , 2016, 1, 496-501.          | 4.1  | 51        |
| 63 | Multiple heterointerfaces boosted de/sodiation kinetics towards superior Na storage and Na-Ion full battery. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6578-6586.  | 5.2  | 50        |
| 64 | Intracellular pH-Sensitive Metallo-Supramolecular Nanogels for Anticancer Drug Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 7816-7822.  | 4.0  | 49        |
| 65 | Synergistic mediation of sulfur conversion in lithium-sulfur batteries by a Gerber tree-like interlayer with multiple components. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11255-11262.   | 5.2  | 49        |
| 66 | Rational Design of Organic Asymmetric Donors D1-A-D2 Possessing Broad Absorption Regions and Suitable Frontier Molecular Orbitals to Match Typical Acceptors toward Solar Cells. <i>Journal of Physical Chemistry A</i> , 2011, 115, 5184-5191. | 1.1  | 48        |
| 67 | 2D few-layer iron phosphosulfide: a self-buffer heterophase structure induced by irreversible breakage of P-S bonds for high-performance lithium/sodium storage. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1529-1538.                  | 5.2  | 48        |
| 68 | CH <sub>2</sub> N Substitutedmer-Gaq3 andmer-Alq3 Derivatives: An Effective Approach for the Tuning of Emitting Color. <i>Journal of Physical Chemistry B</i> , 2005, 109, 17762-17767.   | 1.2  | 47        |
| 69 | Intramolecular Aza-Anti-Michael Addition of an Amide Anion to Enones: A Regiospecific Approach to Tetramic Acid Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 2301-2306.  | 2.1  | 47        |
| 70 | A vertical and cross-linked Ni(OH) <sub>2</sub> network on cellulose-fiber covered with graphene as a binder-free electrode for advanced asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 19077-19084.            | 5.2  | 47        |
| 71 | Geometry and stability of fullerene cages: C <sub>24</sub> to C <sub>70</sub> . <i>International Journal of Quantum Chemistry</i> , 2005, 105, 142-147.   | 1.0  | 44        |
| 72 | Carbon/Binder-Free NiO@NiO/NF with In Situ Formed Interlayer for High-Areal Capacity Lithium Storage. <i>Advanced Energy Materials</i> , 2019, 9, 1803690.  | 10.2 | 44        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 73 | Shedding light on octathio[8]circulene and some of its plate-like derivatives. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 1743.   | 1.3 | 43        |
| 74 | Organocatalyzed Anion Relay Leading to Functionalized 2,3-Dihydrofurans. <i>Organic Letters</i> , 2013, 15, 3978-3981.  | 2.4 | 43        |
| 75 | <i>N</i> -Bromosuccinimide/1,8-Diazabicyclo[5.4.1]undec-7-ene Combination: $\beta$ -Amination of Chalcones via a Tandem Bromoamination/Debromination Sequence. <i>Organic Letters</i> , 2013, 15, 852-855.                | 2.4 | 43        |
| 76 | Assembly of MnCO <sub>3</sub> nanoplatelets synthesized at low temperature on graphene to achieve anode materials with high rate performance for lithium-ion batteries. <i>Electrochimica Acta</i> , 2016, 215, 267-275.  | 2.6 | 43        |
| 77 | Optical Properties of the Phosphorescent Trinuclear Copper(I) Complexes of Pyrazolates: Insights from Theory. <i>Journal of Physical Chemistry A</i> , 2007, 111, 4965-4973.  | 1.1 | 42        |
| 78 | Egg yolk-derived carbon: Achieving excellent fluorescent carbon dots and high performance lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2018, 746, 567-575.   | 2.8 | 42        |
| 79 | Al doped MoS <sub>2</sub> monolayer: A promising low-cost single atom catalyst for CO oxidation. <i>Applied Surface Science</i> , 2019, 484, 1297-1303.   | 3.1 | 42        |
| 80 | Accurate Computation of Gas Uptake in Microporous Organic Molecular Crystals. <i>Journal of Physical Chemistry C</i> , 2012, 116, 8865-8871.  | 1.5 | 41        |
| 81 | From Molecules to Materials: Molecular and Crystal Engineering Design of Organic Optoelectronic Functional Materials for High Carrier Mobility. <i>Journal of Physical Chemistry C</i> , 2012, 116, 1195-1199.            | 1.5 | 41        |
| 82 | Three novel 1D lanthanide-carboxylate polymeric complexes: syntheses, crystal structures and magnetic analyses. <i>Dalton Transactions</i> , 2013, 42, 8504.  | 1.6 | 41        |
| 83 | Alkyne aminohalogenation enabled by DBU-activated N-haloimides: direct synthesis of halogenated enamines. <i>Chemical Communications</i> , 2014, 50, 2360.  | 2.2 | 41        |
| 84 | Full Protection for Graphene-Incorporated Micro-/Nanocomposites Containing Ultra-small Active Nanoparticles: the Best Li-Storage Properties. <i>Particle and Particle Systems Characterization</i> , 2015, 32, 1020-1027. | 1.2 | 41        |
| 85 | pH-responsive metallo-supramolecular nanogel for synergistic chemo-photodynamic therapy. <i>Acta Biomaterialia</i> , 2015, 25, 162-171.   | 4.1 | 41        |
| 86 | Do the bridging oxygen bonds between active Sn nanodots and graphene improve the Li-storage properties?. <i>Energy Storage Materials</i> , 2016, 5, 214-222.  | 9.5 | 41        |
| 87 | Electric-field controlled capture or release of phosgene molecule on graphene-based materials: First principles calculations. <i>Applied Surface Science</i> , 2018, 427, 1019-1026.                                      | 3.1 | 41        |
| 88 | X-Shaped donor molecules based on benzo[2,1-b:3,4-b']dithiophene as organic solar cell materials with PDIs as acceptors. <i>Journal of Materials Chemistry A</i> , 2013, 1, 13828.  | 5.2 | 40        |
| 89 | Layered g-C <sub>3</sub> N <sub>4</sub> @Reduced Graphene Oxide Composites as Anodes with Improved Rate Performance for Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 30330-30336.     | 4.0 | 40        |
| 90 | The in-situ-prepared micro/nanocomposite composed of Sb and reduced graphene oxide as superior anode for sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2016, 672, 72-78.                                 | 2.8 | 39        |

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|-----|--|-----|-----------|
| 91  | Synthesis and Characterization of Monodisperse Oligo(fluorene-co-bithiophene)s. <i>Chemistry - A European Journal</i> , 2007, 13, 6238-6248.   | 1.7 | 38        |
| 92  | Push-pull effect on the charge transfer, and tuning of emitting color for disubstituted derivatives of mer-Alq <sub>3</sub> . <i>Chemical Physics</i> , 2009, 364, 39-45.  | 0.9 | 38        |
| 93  | Investigation of two-dimensional hf-based MXenes as the anode materials for li/na-ion batteries: A DFT study. <i>Journal of Computational Chemistry</i> , 2019, 40, 1352-1359.   | 1.5 | 38        |
| 94  | Quantum chemical analysis of the chemical bonds in Mq <sub>3</sub> (M=AlIII, GaIII) as emitting material for OLED. <i>Chemical Physics Letters</i> , 2004, 394, 120-125.   | 1.2 | 37        |
| 95  | Metal-Dependent Assembly of a Helical-[Co <sub>3</sub> L <sub>3</sub> ] Cluster versus a Meso-[Cu <sub>2</sub> L <sub>2</sub> ] Cluster with O,N,Nâ€²,Oâ€²-Schiff Base Ligand: Structures and Magnetic Properties. <i>Inorganic Chemistry</i> , 2008, 47, 10317-10324.                 | 1.9 | 37        |
| 96  | Fluorinated derivatives of mer-Alq <sub>3</sub> : energy decomposition analysis, optical properties, and charge transfer study. <i>Theoretical Chemistry Accounts</i> , 2009, 122, 275-281.  | 0.5 | 37        |
| 97  | gem-Dialkylthio vinylallenes: alkylthio-regulated reactivity and application in the divergent synthesis of pyrroles and thiophenes. <i>Chemical Communications</i> , 2012, 48, 8802.   | 2.2 | 37        |
| 98  | A novel approach to prepare Si/C nanocomposites with yolk-shell structures for lithium ion batteries. <i>RSC Advances</i> , 2014, 4, 36218-36225.  | 1.7 | 37        |
| 99  | An Efficient Strategy for Self-Assembly of DNA-Mimic Homochiral 1D Helical Cu(II) Chain from Achiral Flexible Ligand by Spontaneous Resolution. <i>Inorganic Chemistry</i> , 2016, 55, 3378-3383.  | 1.9 | 37        |
| 100 | Self-Assembled Fluorescent Organic Nanomaterials for Biomedical Imaging. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800344.   | 3.9 | 37        |
| 101 | A rational design strategy for donors in organic solar cells: the conjugated planar molecules possessing anisotropic multibranches and intramolecular charge transfer. <i>Journal of Materials Chemistry</i> , 2011, 21, 11159.  | 6.7 | 36        |
| 102 | (PO <sub>4</sub> ) <sub>3</sub> <sup>~</sup> polyanions doped LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> : An ultrafast-rate, long-life and high-voltage cathode material for Li-ion rechargeable batteries. <i>Electrochimica Acta</i> , 2016, 201, 8-19. | 2.6 | 36        |
| 103 | Porous Carbon with Willow-Leaf-Shaped Pores for High-Performance Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 42699-42707.  | 4.0 | 36        |
| 104 | Charge Transport Parameters and Structural and Electronic Properties of Octathio[8]circulene and Its Plate-like Derivatives. <i>Journal of Physical Chemistry A</i> , 2009, 113, 255-262.  | 1.1 | 35        |
| 105 | Understanding the electrochemical properties of A <sub>2</sub> MSiO <sub>4</sub> (A = Li and Na; M = Tj ETQq <sub>1</sub> 1 0.784314 rgBT) calculations. <i>Journal of Materials Chemistry A</i> , 2016, 4, 17455-17463.   | 5.2 | 35        |
| 106 | Tailoring Coral-Like Fe <sub>7</sub> Se <sub>8</sub> @C for Superior Low-Temperature Li/Na-Ion Half/Full Batteries: Synthesis, Structure, and DFT Studies. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 47886-47893.  | 4.0 | 35        |
| 107 | Pseudocapacitive sodium storage of Fe <sub>1-x</sub> S@N-doped carbon for low-temperature operation. <i>Science China Materials</i> , 2020, 63, 505-515.   | 3.5 | 35        |
| 108 | A New Multifunctional Zinc-Organic Framework with Rare Interpenetrated Tripillared Bilayers as a Luminescent Probe for Detecting Ni <sup>2+</sup> and PO <sub>4</sub> <sup>3-</sup> in Water. <i>Crystal Growth and Design</i> , 2020, 20, 5120-5128.                                  | 1.4 | 35        |

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|-----|--|-----|-----------|
| 109 | Polarity-Reversible Conjugate Addition Tuned by Remote Electronic Effects. <i>Organic Letters</i> , 2010, 12, 244-247.   | 2.4 | 34        |
| 110 | Recent advances of transformable nanoparticles for theranostics. <i>Chinese Chemical Letters</i> , 2017, 28, 1808-1816.  | 4.8 | 34        |
| 111 | Bipyridyl Second Ligand Dependent Structural and Magnetic Properties of Cu(II) Complexes with Pyridine-2,6-dicarboxylate and Water Molecule as First Ligand. <i>Crystal Growth and Design</i> , 2008, 8, 3803-3809.                              | 1.4 | 33        |
| 112 | LiV <sub>3</sub> O <sub>8</sub> nanorods as cathode materials for high-power and long-life rechargeable lithium-ion batteries. <i>RSC Advances</i> , 2014, 4, 25494-25501.   | 1.7 | 33        |
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