

# Jian-Hui Fang

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

3,159  
citations

201385

27  
h-index

233125

45  
g-index

49  
all docs

49  
docs citations

49  
times ranked

5411  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Efficient NO <sub>x</sub> Abatement over Alkali-Resistant Catalysts via Constructing Durable Dimeric VO <sub>x</sub> Species. <i>Environmental Science &amp; Technology</i> , 2022, 56, 2647-2655.   | 4.6  | 35        |
| 2  | Interfacial Engineering of Two-Dimensional MoN/MoO <sub>2</sub> Heterostructure Nanosheets as a Bifunctional Electrocatalyst for Overall Water Splitting. <i>Chemistry - an Asian Journal</i> , 2022, 17, .  | 1.7  | 9         |
| 3  | Co-Ni Binary Metal Oxide Coated with Porous Carbon Derived from Metal-Organic Framework as Host of Nano-Sulfur for Lithium-Sulfur Batteries. <i>Batteries and Supercaps</i> , 2020, 3, 108-116.  | 2.4  | 38        |
| 4  | Multiple Stimuli-Responsive Conformational Exchanges of Biphen[3]arene Macrocyclic. <i>Molecules</i> , 2020, 25, 5780.   | 1.7  | 0         |
| 5  | A cyclic bis[2]catenane metallacage. <i>Nature Communications</i> , 2020, 11, 2727.  | 5.8  | 21        |
| 6  | Enhanced capacitive deionization of saline water using N-doped rod-like porous carbon derived from dual-ligand metal-organic frameworks. <i>Environmental Science: Nano</i> , 2020, 7, 926-937.  | 2.2  | 63        |
| 7  | Phosphine-mediated sequential annulations of allenyl ketone and isocyanide: a bicyclization strategy to access a furan-fused eight-membered ring and a spirocycle. <i>Chemical Communications</i> , 2019, 55, 12180-12183.   | 2.2  | 15        |
| 8  | Synthesis and lithium storage performance of C/NiCo <sub>2</sub> O <sub>4</sub> anode derived from MOFs by cation exchange. <i>Ferroelectrics</i> , 2019, 547, 59-67.  | 0.3  | 5         |
| 9  | Self-floating hybrid hydrogels assembled with conducting polymer hollow spheres and silica aerogel microparticles for solar steam generation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1244-1251.  | 5.2  | 129       |
| 10 | Fe and N Co-Doped Porous Carbon Nanospheres with High Density of Active Sites for Efficient CO <sub>2</sub> Electroreduction. <i>Journal of Physical Chemistry C</i> , 2019, 123, 16651-16659.   | 1.5  | 54        |
| 11 | Efficient Separation of <i>cis</i> - and <i>trans</i> -1,2-Dichloroethene Isomers by Adaptive Biphen[3]arene Crystals. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10281-10284.   | 7.2  | 115       |
| 12 | Improved Superconducting Properties of Thick YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> Film by Adding Amino-Rich Polyethyleneimine in Precursor Solution. <i>Journal of Superconductivity and Novel Magnetism</i> , 2018, 31, 3503-3508.           | 0.8  | 0         |
| 13 | Recent Progresses in Electrocatalysts for Water Electrolysis. <i>Electrochemical Energy Reviews</i> , 2018, 1, 483-530.  | 13.1 | 285       |
| 14 | N, P, S co-doped hollow carbon polyhedra derived from MOF-based core-shell nanocomposites for capacitive deionization. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15245-15252.   | 5.2  | 260       |
| 15 | A Homochiral {Co <sup>TM</sup> } <sub>16</sub> Co <sup>TM</sup> <sub>4</sub> Supertetrahedral <i>T</i> <sub>4</sub> Cluster from a Racemic Ligand with Ferromagnetic Behavior and High Photocatalytic Activity. <i>Chemistry - A European Journal</i> , 2017, 23, 8025-8031. | 1.7  | 17        |
| 16 | In situ preparation of Ni nanoparticles in cerium-modified silica aerogels for coking- and sintering-resistant dry reforming of methane. <i>New Journal of Chemistry</i> , 2017, 41, 4869-4878.  | 1.4  | 38        |
| 17 | The Tunable and Highly Selective Reduction Products on Ag@Cu Bimetallic Catalysts Toward CO <sub>2</sub> Electrochemical Reduction Reaction. <i>Journal of Physical Chemistry C</i> , 2017, 121, 11368-11379.  | 1.5  | 147       |
| 18 | Highly effective and specific way for the trace analysis of carbaryl insecticides based on Au <sub>42</sub> Rh <sub>58</sub> alloy nanocrystals. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7064-7071.   | 5.2  | 19        |

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|----|---|-----|-----------|
| 19 | Reducing and Uniforming the Co <sub>3</sub> O <sub>4</sub> Particle Size by Sulfonated Graphene Polymers for Electrochemical Applications. <i>Nanoscale Research Letters</i> , 2017, 12, 165.   | 3.1 | 11        |
| 20 | Polydopamine functionalized transparent conductive cellulose nanopaper with long-term durability. <i>Journal of Materials Chemistry C</i> , 2017, 5, 573-581.   | 2.7 | 51        |
| 21 | Coupled Metal/Oxide Catalysts with Tunable Product Selectivity for Electrocatalytic CO <sub>2</sub> Reduction. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 28519-28526.  | 4.0 | 83        |
| 22 | DFT Study of the Mechanisms of Iron-Catalyzed Regioselective Synthesis of $\alpha$ -Aryl Carboxylic Acids from Styrene Derivatives and CO <sub>2</sub> . <i>Organometallics</i> , 2016, 35, 3932-3938.  | 1.1 | 24        |
| 23 | From anisotropic graphene aerogels to electron- and photo-driven phase change composites. <i>Journal of Materials Chemistry A</i> , 2016, 4, 17042-17049.   | 5.2 | 179       |
| 24 | Nitrogen-doped porous carbon derived from a bimetallic metal-organic framework as highly efficient electrodes for flow-through deionization capacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10858-10868.   | 5.2 | 164       |
| 25 | Preparation of 0.4Li <sub>2</sub> MnO <sub>3</sub> ·0.6LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> with tunable morphologies via polyacrylonitrile as a template and applications in lithium-ion batteries. <i>Journal of Applied Polymer Science</i> , 2016, 133, .   | 1.3 | 7         |
| 26 | Morphological Evolution of High-Voltage Spinel LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> Cathode Materials for Lithium-Ion Batteries: The Critical Effects of Surface Orientations and Particle Size. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 4661-4675.              | 4.0 | 212       |
| 27 | Electrospinning synthesis of novel lithium-rich 0.4Li <sub>2</sub> MnO <sub>3</sub> ·0.6LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> nanotube and its electrochemical performance as cathode of lithium-ion battery. <i>Advances in Manufacturing</i> , 2016, 4, 79-88. | 3.2 | 5         |
| 28 | Adsorption configuration of sodium 2-quinoxalinecarboxylate on iron substrate: Investigation by in situ SERS, XPS and theoretical calculation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 156, 123-130.   | 2.0 | 19        |
| 29 | In Situ Carbonized Cellulose-Based Hybrid Film as Flexible Paper Anode for Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 1073-1079.   | 4.0 | 61        |
| 30 | TEMPO-mediated oxidized nanocellulose incorporating with its derivatives of carbon dots for luminescent hybrid films. <i>RSC Advances</i> , 2016, 6, 6504-6510.   | 1.7 | 30        |
| 31 | Highly efficient colloidal solution deposition planarization of Hastelloy substrate for IBAD-MgO film. <i>Research on Chemical Intermediates</i> , 2016, 42, 4751-4758.   | 1.3 | 8         |
| 32 | Facile Hydrothermal Synthesis of VS <sub>2</sub> /Graphene Nanocomposites with Superior High-Rate Capability as Lithium-Ion Battery Cathodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 13044-13052.   | 4.0 | 210       |
| 33 | Combined bleaching and hydrolysis for isolation of cellulose nanofibrils from waste sackcloth. <i>Carbohydrate Polymers</i> , 2015, 131, 152-158.   | 5.1 | 45        |
| 34 | Fast fabrication of transparent and multi-luminescent TEMPO-oxidized nanofibrillated cellulose nanopaper functionalized with lanthanide complexes. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2511-2517.  | 2.7 | 56        |
| 35 | Shape-controlled porous heterogeneous PtRu/C/Nafion microspheres enabling high performance direct methanol fuel cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15177-15183.  | 5.2 | 19        |
| 36 | Transparent nanocellulose hybrid films functionalized with ZnO nanostructures for UV-blocking. <i>Journal of Materials Chemistry C</i> , 2015, 3, 6717-6724.  | 2.7 | 85        |

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|----|---|-----|-----------|
| 37 | Integrated Fast Assembly of Free-Standing Lithium Titanate/Carbon Nanotube/Cellulose Nanofiber Hybrid Network Film as Flexible Paper-Electrode for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 10695-10701.   | 4.0 | 87        |
| 38 | Easy synthesis of photoluminescent N-doped carbon dots from winter melon for bio-imaging. RSC Advances, 2015, 5, 31250-31254.   | 1.7 | 67        |
| 39 | Self-Assembly of a Mixed-Valent Co <sub>3</sub> Ring. European Journal of Inorganic Chemistry, 2014, 2014, 1275-1278.   | 1.0 | 12        |
| 40 | Insight into the covalent grafting of organic films onto carbon steel surfaces for protection. Science Bulletin, 2014, 59, 971-980.   | 1.7 | 0         |
| 41 | Integrated Pt <sub>2</sub> Ni alloy@Pt core-shell nanoarchitectures with high electrocatalytic activity for oxygen reduction reaction. Journal of Materials Chemistry A, 2014, 2, 11400.  | 5.2 | 28        |
| 42 | Graphene anchored with ZrO <sub>2</sub> nanoparticles as anodes of lithium ion batteries with enhanced electrochemical performance. RSC Advances, 2014, 4, 8472-8480.   | 1.7 | 28        |
| 43 | Optimal microwave-assisted hydrothermal synthesis of nanosized x Li <sub>2</sub> MnO <sub>3</sub> · (1-x) LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> cathode materials for lithium ion battery. Journal of Power Sources, 2014, 247, 219-227.                         | 4.0 | 57        |
| 44 | Multi-photon upconversion luminescence from a Ca <sub>x</sub> YF <sub>3</sub> ·2x host by doping with Yb <sup>3+</sup> /Er <sup>3+</sup> or Yb <sup>3+</sup> /Tm <sup>3+</sup> . RSC Advances, 2013, 3, 19909.  | 1.7 | 7         |
| 45 | Anticorrosive Behavior of AMT on Cobalt Electrode: From Electrochemical Methods to Surface-Enhanced Vibrational Spectroscopy Study. Journal of Physical Chemistry C, 2012, 116, 20269-20280.  | 1.5 | 11        |
| 46 | Kinetics of conventional carbon coated-Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> and nanocomposite Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /graphene as cathode materials for lithium ion batteries. Journal of Materials Chemistry, 2012, 22, 11039. | 6.7 | 117       |
| 47 | Template-Free Synthesis, Controlled Conversion, and CO Oxidation Properties of CeO <sub>2</sub> Nanorods, Nanotubes, Nanowires, and Nanocubes. European Journal of Inorganic Chemistry, 2008, 2008, 2429-2436.  | 1.0 | 222       |
| 48 | Chemical treatment of carbon nanotubes as electrodes in electrochemical double-layer capacitors. Journal of Shanghai University, 2005, 9, 557-560.  | 0.1 | 0         |