

# Feng Zhang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54  
papers

1,580  
citations

18  
h-index

39  
g-index

56  
ext. papers

1,820  
ext. citations

4.8  
avg. IF

4.56  
L-index

| #  | Paper  | IF  | Citations |
|----|--|-----|-----------|
| 54 | Controlled synthesis of rod-like three-dimensional NiS <sub>2</sub> /graphene nanostructures from metal complexes and their application in supercapacitor electrodes. <i>Journal of Physics and Chemistry of Solids</i> , <b>2022</b> , 110716 | 3.9 | 0         |
| 53 | Porous carbon microspheres with controlled porosity and graphitization degree for high-performance supercapacitor. <i>Journal of Electroanalytical Chemistry</i> , <b>2022</b> , 116449  | 4.1 | 0         |
| 52 | Ball milling-assisted synthesis and electrochemical performance of porous carbon with controlled morphology and graphitization degree for supercapacitors. <i>Journal of Energy Storage</i> , <b>2021</b> , 38, 102496                         | 7.8 | 4         |
| 51 | Redox reaction-modulated fluorescence biosensor for ascorbic acid oxidase assay by using MoS quantum dots as fluorescence probe. <i>Talanta</i> , <b>2021</b> , 222, 121522  | 6.2 | 5         |
| 50 | A ulva lactuca-derived porous carbon for high-performance electrode materials in supercapacitor: Synergistic effect of porous structure and graphitization degree. <i>Journal of Energy Storage</i> , <b>2021</b> , 33, 102132                 | 7.8 | 11        |
| 49 | The effects of anions on the structure and the electrochemical performance of carbon materials for supercapacitors. <i>Journal of Physics and Chemistry of Solids</i> , <b>2021</b> , 150, 109847  | 3.9 | 2         |
| 48 | Facile synthesis of three-dimensional porous graphene nanostructures from coordination complexes for supercapacitor electrode. <i>Advanced Powder Technology</i> , <b>2020</b> , 31, 4157-4165   | 4.6 | 2         |
| 47 | FeO NP@ZIF-8/MoS QD-based electrochemiluminescence with nanosurface energy transfer strategy for point-of-care determination of ATP. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1127, 190-197   | 6.6 | 9         |
| 46 | Facile synthesis of porous anatase TiO <sub>2</sub> nanomaterials with the assistance of biomass resource for lithium ion batteries with high-rate performance. <i>Journal of Physics and Chemistry of Solids</i> , <b>2020</b> , 145, 109552  | 3.9 | 8         |
| 45 | Controlled synthesis of three dimensional hierarchical graphene nanostructures from metal complexes as an anode material for lithium-ion batteries. <i>CrystEngComm</i> , <b>2020</b> , 22, 3608-3617  | 3.3 | 6         |
| 44 | Nest-like Bi <sub>2</sub> WO <sub>4</sub> nanostructures assembled by nanowires: Facile synthesis and their superior photocatalytic performance. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 802, 502-510                           | 5.7 | 9         |
| 43 | Ratiometric fluorescence system for pH sensing and urea detection based on MoS quantum dots and 2, 3-diaminophenazine. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1077, 200-207   | 6.6 | 17        |
| 42 | A molybdenum disulfide quantum dots-based ratiometric fluorescence strategy for sensitive detection of epinephrine and ascorbic acid. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1089, 123-130  | 6.6 | 21        |
| 41 | Hierarchical porous carbons derived from ionically-crosslinked alginates for lithium-ion batteries with superior electrochemical performance. <i>Journal of Porous Materials</i> , <b>2019</b> , 26, 987-993                                   | 2.4 | 3         |
| 40 | Effects of raw materials on the structures of three dimensional graphene/amorphous carbon composites derived from biomass resources. <i>Research on Chemical Intermediates</i> , <b>2019</b> , 45, 1131-1145                                   | 2.8 | 7         |
| 39 | Effects of primary nanobuilding blocks on the photocatalytic performance of TiO <sub>2</sub> hierarchical hollow microspheres. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 773, 352-360   | 5.7 | 15        |
| 38 | A simple and convenient fluorescent strategy for the highly sensitive detection of dopamine and ascorbic acid based on graphene quantum dots. <i>Talanta</i> , <b>2018</b> , 189, 190-195  | 6.2 | 48        |

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|----|---|-----|----|
| 37 | Synthesis of iron-fluoride materials with controlled nanostructures and composition through a template-free solvothermal route for lithium ion batteries. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 9091-9097         | 3.6 | 5  |
| 36 | One-pot synthesis of porous g-C <sub>3</sub> N <sub>4</sub> nanomaterials with different morphologies and their superior photocatalytic performance. <i>Materials Research Bulletin</i> , <b>2018</b> , 102, 209-217            | 5.1 | 13 |
| 35 | An enzymatic ratiometric fluorescence assay for 6-mercaptopurine by using MoS quantum dots. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 540   | 5.8 | 13 |
| 34 | Removal of methylene blue over low-cost mesoporous silica nanoparticles prepared with naturally occurring diatomite. <i>Journal of Sol-Gel Science and Technology</i> , <b>2018</b> , 88, 541-550                               | 2.3 | 11 |
| 33 | Fabrication of nest-like TiO <sub>2</sub> hollow microspheres and its application for lithium ion batteries with high-rate performance. <i>Electrochimica Acta</i> , <b>2017</b> , 243, 112-118                                 | 6.7 | 19 |
| 32 | Synergetic effect of Li doping and Ag deposition for enhanced visible light photocatalytic performance of g-C <sub>3</sub> N <sub>4</sub> . <i>Materials Research Bulletin</i> , <b>2017</b> , 86, 72-79                        | 5.1 | 12 |
| 31 | Facile synthesis of three-dimensional porous carbon sheets from a water-soluble biomass source sodium alginate for lithium ion batteries. <i>Materials Research Bulletin</i> , <b>2016</b> , 83, 590-596                        | 5.1 | 11 |
| 30 | Facile synthesis of carbon nanoparticles/graphene composites derived from biomass resources and their application in lithium ion batteries. <i>RSC Advances</i> , <b>2016</b> , 6, 79366-79371                                  | 3.7 | 5  |
| 29 | PVP-assisted synthesis of raspberry-like composite particles. <i>Journal of Sol-Gel Science and Technology</i> , <b>2016</b> , 78, 228-238  | 2.3 | 2  |
| 28 | Enhanced metal-support interactions between Pd NPs and ZrSBA-15 for efficient aerobic benzyl alcohol oxidation. <i>RSC Advances</i> , <b>2016</b> , 6, 70424-70432  | 3.7 | 13 |
| 27 | <i>Caldicellulosiruptor changbaiensis</i> sp. nov., a cellulolytic and hydrogen-producing bacterium from a hot spring. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2015</b> , 65, 293-297     | 2.2 | 14 |
| 26 | Oxygen-containing/amino groups bifunctionalized SBA-15 toward efficient removal of methylene blue: kinetics, isotherm and mechanism analysis. <i>Journal of Sol-Gel Science and Technology</i> , <b>2015</b> , 76, 320-331      | 2.3 | 10 |
| 25 | Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> particles embedded in porous N-doped carbon as high-rate and long-life cathode material for Li-ion batteries. <i>RSC Advances</i> , <b>2015</b> , 5, 78209-78214 | 3.7 | 6  |
| 24 | Green synthesis of magnetic core-shell Fe <sub>3</sub> O <sub>4</sub> @SN/Ag towards efficient reduction of 4-nitrophenol. <i>Journal of Sol-Gel Science and Technology</i> , <b>2015</b> , 73, 299-305                         | 2.3 | 8  |
| 23 | Interplay between zirconium addition and morphology/catalytic performance of HPW/PEHA/SBA-15 composites towards selective oxidation of benzyl alcohol. <i>Journal of Porous Materials</i> , <b>2015</b> , 22, 997-1008          | 2.4 | 7  |
| 22 | PMHS-reduced fabrication of hollow Ag@SiO <sub>2</sub> composite spheres with developed porosity. <i>Journal of Sol-Gel Science and Technology</i> , <b>2015</b> , 75, 82-89  | 2.3 | 7  |
| 21 | Correlation between pore-expanding and dye adsorption of platelet C/SBA-15 prepared by carbonization and oxidation of P123-TMB/SBA-15 composites. <i>Journal of Sol-Gel Science and Technology</i> , <b>2014</b> , 70, 451-463  | 2.3 | 6  |
| 20 | In situ preparation of uniform Ag NPs onto multifunctional Fe <sub>3</sub> O <sub>4</sub> @SN/HPW@CG towards efficient reduction of 4-nitrophenol. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 3999-4006                | 3.6 | 26 |

- 19 Fabrication of highly-stable Ag/CA@GTA hydrogel beads and their catalytic application. *RSC Advances*, **2014**, 4, 60460-60466 3.7 17
- 18 Preparation of superhydrophobic materials for oil/water separation and oil absorption using PMHS/TEOS-derived xerogel and polystyrene. *Journal of Sol-Gel Science and Technology*, **2014**, 72, 385-393 3.3 20
- 17 From metal-organic framework (MOF) to MOF/polymer composite membrane: enhancement of low-humidity proton conductivity. *Chemical Science*, **2013**, 4, 983-992 9.4 277
- 16 Fabrication of zeolite MFI membranes supported by  $\gamma$ -Al<sub>2</sub>O<sub>3</sub> hollow ceramic fibers for CO<sub>2</sub> separation. *Journal of Materials Research*, **2013**, 28, 1870-1876 2.5 11
- 15 Microwave-assisted crystallization inclusion of spiropyran molecules in indium trimesate films with antidromic reversible photochromism. *Journal of Materials Chemistry*, **2012**, 22, 25019 60
- 14 Facile Synthesis of MIL-68(In) Films with Controllable Morphology. *European Journal of Inorganic Chemistry*, **2012**, 2012, 0-0 2.3
- 13 Challenging fabrication of hollow ceramic fiber supported Cu<sub>3</sub>(BTC)<sub>2</sub> membrane for hydrogen separation. *Journal of Materials Chemistry*, **2012**, 22, 10322 63
- 12 Growth of preferential orientation of MIL-53(Al) film as nano-assembler. *CrystEngComm*, **2012**, 14, 5487 3.3 24
- 11 Hydrogen Selective NH<sub>2</sub>-MIL-53(Al) MOF Membranes with High Permeability. *Advanced Functional Materials*, **2012**, 22, 3583-3590 15.6 201
- 10 Ethanol Recovery from Water Using Silicalite-1 Membrane: An Operando Infrared Spectroscopic Study. *ChemPlusChem*, **2012**, 77, 437-444 2.8 20
- 9 Superior electrode performance of mesoporous hollow TiO<sub>2</sub> microspheres through efficient hierarchical nanostructures. *Journal of Power Sources*, **2011**, 196, 8618-8624 8.9 50
- 8 In situ growth of continuous thin metal-organic framework film for capacitive humidity sensing. *Journal of Materials Chemistry*, **2011**, 21, 3775 124
- 7 Synthesis of SnO<sub>2</sub> hollow nanostructures with controlled interior structures through a template-assisted hydrothermal route. *Dalton Transactions*, **2011**, 40, 8517-9 4.3 24
- 6 Facile fabrication of metal-organic framework films promoted by colloidal seeds on various substrates. *CrystEngComm*, **2010**, 12, 352-354 3.3 26
- 5 Hierarchical porous carbon derived from rice straw for lithium ion batteries with high-rate performance. *Electrochemistry Communications*, **2009**, 11, 130-133 5.1 192
- 4 Synthesis, structures and photoluminescence of two Er(III) coordination polymers. *Journal of Coordination Chemistry*, **2008**, 61, 945-955 1.6 12
- 3 Effects of raw material texture and activation manner on surface area of porous carbons derived from biomass resources. *Journal of Colloid and Interface Science*, **2008**, 327, 108-14 9.3 29
- 2 Preparation and gas storage of high surface area microporous carbon derived from biomass source cornstalks. *Bioresource Technology*, **2008**, 99, 4803-8 11 69

- 1 An efficient and convenient procedure for the synthesis of 2-alkyl-2-alkoxy-1,2-di(furan-2-yl)ethanone under ultrasound in the presence of solid-liquid phase transfer catalysis conditions. *Ultrasonics Sonochemistry*, **2007**, 14, 493-496 8.9 6