

Jiwen Feng

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

2,230
citations

331642

21
h-index

223791

46
g-index

58
all docs

58
docs citations

58
times ranked

3241
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Low concentration electrolyte with non-solvating cosolvent enabling high-voltage lithium metal batteries. <i>IScience</i> , 2022, 25, 103490. | 4.1 | 17 |
| 2 | A poly(1,3-dioxolane) based deep-eutectic polymer electrolyte for high performance ambient polymer lithium battery. <i>Materials Today Physics</i> , 2022, 22, 100620. | 6.0 | 10 |
| 3 | Li ⁺ /Se batteries: Insights to the confined structure of selenium in hierarchical porous carbon and discharge mechanism in the carbonate electrolyte. <i>Carbon</i> , 2022, 191, 122-131. | 10.3 | 22 |
| 4 | An Overall Understanding of Sodium Storage Behaviors in Hard Carbons by an Adsorption-Intercalation/Filling Hybrid Mechanism. <i>Advanced Energy Materials</i> , 2022, 12, . | 19.5 | 121 |
| 5 | Preparation and characterization of curdlan with unique single-helical conformation and its assembly with Congo Red. <i>Carbohydrate Polymers</i> , 2021, 263, 117985. | 10.2 | 8 |
| 6 | In Situ Characterization of Over-Lithiation of Organosulfide-Based Lithium Metal Anodes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 41555-41562. | 8.0 | 9 |
| 7 | THz-enhanced dynamic nuclear polarized liquid spectrometer. <i>Journal of Magnetic Resonance</i> , 2021, 330, 107044. | 2.1 | 1 |
| 8 | A Digital Distributed Spectrometer for Dual-nuclei Simultaneous MRI. , 2021, , . | | 1 |
| 9 | Selective Blockage of Li-Ion Diffusion Pathways in Li ₁₀ SnP ₂ S ₁₂ : Insights from Nuclear Magnetic Resonance. <i>Journal of Physical Chemistry C</i> , 2021, 125, 27884-27890. | 3.1 | 4 |
| 10 | Dynamics and Glass Transition of Supercooled Water Confined in Amphiphilic Polymer Films. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 6039-6044. | 4.6 | 2 |
| 11 | High stable rate cycling performances of microporous carbon spheres/selenium composite (MPCS/Se) cathode as lithium-selenium battery. <i>Journal of Power Sources</i> , 2020, 473, 228611. | 7.8 | 19 |
| 12 | Novel Sodium-Poly(tartaric acid)Borate-Based Single-Ion Conducting Polymer Electrolyte for Sodium-Metal Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 10053-10060. | 5.1 | 34 |
| 13 | Dynamic mechanism of halide salts on the phase transition of protein models, poly(N-isopropylacrylamide) and poly(N,N-diethylacrylamide). <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 12644-12650. | 2.8 | 8 |
| 14 | New Li ₁₀ GeP ₂ S ₁₂ Structure Ordering and Li-Ion Dynamics Unveiled in Li ₄ GeS ₄ -Li ₃ PS ₄ Superionic Conductors: A Solid-State Nuclear Magnetic Resonance Study. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 27029-27036. | 8.0 | 9 |
| 15 | 36-Nuclearity Organophosphonate-Functionalized Polyoxomolybdates: Synthesis, Characterization and Selective Catalytic Oxidation of Sulfides. <i>Chemistry - A European Journal</i> , 2020, 26, 14896-14902. | 3.3 | 14 |
| 16 | Novel hierarchical porous carbon prepared by a one-step template route for electric double layer capacitors and Li ⁺ /Se battery devices. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4376-4385. | 10.3 | 25 |
| 17 | Mobile Ions in Composite Solids. <i>Chemical Reviews</i> , 2020, 120, 4169-4221. | 47.7 | 193 |
| 18 | Effect of Halogen Doping in Sodium Solid Electrolytes Based on the Na-Sn-Si-P-S Quinary System. <i>Chemistry of Materials</i> , 2020, 32, 4065-4071. | 6.7 | 15 |

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|----|--|------|-----------|
| 19 | Polyethylene Glycolâ€“Na ⁺ Interface of Vanadium Hexacyanoferrate Cathode for Highly Stable Rechargeable Aqueous Sodium-Ion Battery. ACS Applied Materials & Interfaces, 2019, 11, 28762-28768. | 8.0 | 41 |
| 20 | Characterizing oils in oil-water mixtures inside porous media by Overhauser dynamic nuclear polarization. Fuel, 2019, 257, 116107. | 6.4 | 6 |
| 21 | Methylsulfonylmethane-Based Deep Eutectic Solvent as a New Type of Green Electrolyte for a High-Energy-Density Aqueous Lithium-Ion Battery. ACS Energy Letters, 2019, 4, 1419-1426. | 17.4 | 87 |
| 22 | Synergy of Single-Ion Conductive and Thermo-responsive Copolymer Hydrogels Achieving Anti-Arrhenius Ionic Conductivity. Chemistry - an Asian Journal, 2019, 14, 1404-1408. | 3.3 | 9 |
| 23 | Rotational Cluster Anion Enabling Superionic Conductivity in Sodium-Rich Antiperovskite Na ₃ OBH ₄ . Journal of the American Chemical Society, 2019, 141, 5640-5644. | 13.7 | 97 |
| 24 | Bimetallic NiCoP nanoparticles incorporating with carbon nanotubes as efficient and durable electrode materials for dye sensitized solar cells. Journal of Alloys and Compounds, 2019, 788, 198-205. | 5.5 | 21 |
| 25 | Inverse solubility of chitin/chitosan in aqueous alkali solvents at low temperature. Carbohydrate Polymers, 2019, 206, 487-492. | 10.2 | 22 |
| 26 | Hybrid films of PEDOT containing transition metal phosphates as high effective Pt-free counter electrodes for dye sensitized solar cells. Organic Electronics, 2018, 57, 171-177. | 2.6 | 7 |
| 27 | Nitrogen and sulfur dual-doped chitin-derived carbon/graphene composites as effective metal-free electrocatalysts for dye sensitized solar cells. Applied Surface Science, 2018, 441, 807-815. | 6.1 | 20 |
| 28 | Manipulating Adsorptionâ€“Insertion Mechanisms in Nanostructured Carbon Materials for High-Efficiency Sodium Ion Storage. Advanced Energy Materials, 2017, 7, 1700403. | 19.5 | 662 |
| 29 | Preferential adsorption of the additive is not a prerequisite for cononsolvency in water-rich mixtures. Physical Chemistry Chemical Physics, 2017, 19, 30097-30106. | 2.8 | 24 |
| 30 | LiFePO ₄ /TiO ₂ /Pt composite film used as effective and robust counter electrode for dye sensitized solar cells. Journal of Materials Science: Materials in Electronics, 2017, 28, 18396-18403. | 2.2 | 4 |
| 31 | Ion-selective copper hexacyanoferrate with an open-framework structure enables high-voltage aqueous mixed-ion batteries. Journal of Materials Chemistry A, 2017, 5, 16740-16747. | 10.3 | 74 |
| 32 | Inhomogeneous-collapse driven micelleâ€“vesicle transition of amphiphilic block copolymers. Soft Matter, 2017, 13, 7106-7111. | 2.7 | 4 |
| 33 | Gradient shimming based on regularized estimation for B0-field and shim functions. Journal of Magnetic Resonance, 2016, 268, 1-9. | 2.1 | 3 |
| 34 | Dissolution of chitin in aqueous KOH. Cellulose, 2016, 23, 1705-1711. | 4.9 | 23 |
| 35 | Simultaneous acquisition of multi-nuclei enhanced NMR/MRI by solution-state dynamic nuclear polarization. Science China Chemistry, 2016, 59, 830-835. | 8.2 | 4 |
| 36 | Efficient organic dyes based on perpendicular 6,12-diphenyl substituted indolo[3,2-b]carbazole donor. Photochemical and Photobiological Sciences, 2016, 15, 1514-1523. | 2.9 | 16 |

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|----|---|-----|-----------|
| 37 | Effect of Urea on Phase Transition of Poly(<i>N</i> -isopropylacrylamide) and Poly(<i>N</i> , <i>N</i> -diethylacrylamide) Hydrogels: A Clue for Urea-Induced Denaturation. <i>Macromolecules</i> , 2016, 49, 234-243. | 4.8 | 63 |
| 38 | A peripheral component interconnect express-based scalable and highly integrated pulsed spectrometer for solution state dynamic nuclear polarization. <i>Review of Scientific Instruments</i> , 2015, 86, 083101. | 1.3 | 7 |
| 39 | Phase Transition and Preferential Alcohol Adsorption of Poly(<i>N</i> , <i>N</i> -diethylacrylamide) Gel in Water/Alcohol Mixtures. <i>Macromolecules</i> , 2015, 48, 1126-1133. | 4.8 | 29 |
| 40 | Quantitative NMR investigation on the low-temperature dissolution mechanism of chitin in NaOH/urea aqueous solution. <i>Cellulose</i> , 2015, 22, 2221-2229. | 4.9 | 11 |
| 41 | In-Channel and In-Plane Li Ion Diffusions in the Superionic Conductor $\text{Li}_{10}\text{GeP}_2\text{S}_{12}$ Probed by Solid-State NMR. <i>Chemistry of Materials</i> , 2015, 27, 5503-5510. | 6.7 | 75 |
| 42 | Highly mobile segments in crystalline poly(ethylene oxide) ₈ :NaPF ₆ electrolytes studied by solid-state NMR spectroscopy. <i>Journal of Chemical Physics</i> , 2014, 140, 074901. | 3.0 | 10 |
| 43 | Efficient π -conjugated interrupted host polymer by metal-free polymerization for blue/green phosphorescent light-emitting diodes. <i>Journal of Polymer Science Part A</i> , 2014, 52, 1037-1046. | 2.3 | 9 |
| 44 | Bipolar π -conjugation interrupted host polymers by metal-free superacid-catalyzed polymerization for single-layer electrophosphorescent diodes. <i>RSC Advances</i> , 2014, 4, 50027-50034. | 3.6 | 8 |
| 45 | Decorating titanate nanotubes with protonated 1,2,4-triazole moieties for anhydrous proton conduction. <i>Journal of Colloid and Interface Science</i> , 2014, 432, 26-30. | 9.4 | 8 |
| 46 | Effect of surface acetylated α -chitin nanocrystals on structure and mechanical properties of poly(lactic acid). <i>Journal of Applied Polymer Science</i> , 2014, 131, . | 2.6 | 18 |
| 47 | Dimensionality-dependent photocatalytic activity of TiO ₂ -based nanostructures: nanosheets with a superior catalytic property. <i>Journal of Materials Science</i> , 2013, 48, 5171-5179. | 3.7 | 34 |
| 48 | Ultralow field NMR spectrometer with an atomic magnetometer near room temperature. <i>Journal of Magnetic Resonance</i> , 2013, 237, 158-163. | 2.1 | 21 |
| 49 | Hydrophobic modification of cellulose nanocrystal via covalently grafting of castor oil. <i>Cellulose</i> , 2013, 20, 179-190. | 4.9 | 112 |
| 50 | Effects of end groups on phase transition and segmental mobility of poly(<i>N</i> -isopropylacrylamide) chains in D_2O . <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011, 49, 749-755. | 2.1 | 15 |
| 51 | Crystalline Phases in Ethylene Copolymers Studied by Solid-State NMR and DSC. <i>Macromolecules</i> , 2010, 43, 5713-5722. | 4.8 | 12 |
| 52 | Anomalous diffusion of chains in semicrystalline ethylene polymers. <i>Journal of Chemical Physics</i> , 2009, 130, 184709. | 3.0 | 9 |
| 53 | ¹ H MAS NMR Studies of the Phase Separation of Poly(<i>N</i> -isopropylacrylamide) Gel in Binary Solvents. <i>Langmuir</i> , 2009, 25, 5898-5902. | 3.5 | 50 |
| 54 | ¹ H HRMAS NMR Study on Phase Transition of Poly(<i>N</i> -isopropylacrylamide) Gels with and without Grafted Comb-Type Chains. <i>Macromolecules</i> , 2009, 42, 2074-2078. | 4.8 | 36 |

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|----|---|-----|-----------|
| 55 | Effects of electron irradiation on poly(vinylidene fluoride-trifluoroethylene) copolymers studied by solid-state nuclear magnetic resonance spectroscopy. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 1714-1724. | 2.1 | 12 |
| 56 | Solid-state NMR characterizations on phase structures and molecular dynamics of poly(ethylene-co-vinyl acetate). Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 2864-2879. | 2.1 | 27 |
| 57 | Microstructure and thermal properties of ethylene-(vinyl acetate) copolymer/rectorite nanocomposites. Polymer International, 2006, 55, 312-318. | 3.1 | 25 |