

Jiwen Feng

List of Publications by Year in Descending Order

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Version: 2024-04-28

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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.

56
papers

1,465
citations

17
h-index

37
g-index

58
ext. papers

1,802
ext. citations

7.8
avg, IF

4.54
L-index

#	Paper	IF	Citations
56	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	8	0
55	LiSe 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	10.4	1
54	Low concentration electrolyte with non-solvating cosolvent enabling high-voltage lithium metal batteries.. <i>IScience</i> , 2022 , 25, 103490	6.1	3
53	Preparation and characterization of curdlan with unique single-helical conformation and its assembly with Congo Red. <i>Carbohydrate Polymers</i> , 2021 , 263, 117985	10.3	1
52	In Situ Characterization of Over-Lithiation of Organosulfide-Based Lithium Metal Anodes. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 41555-41562	9.5	0
51	THz-enhanced dynamic nuclear polarized liquid spectrometer. <i>Journal of Magnetic Resonance</i> , 2021 , 330, 107044	3	
50	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	3.8	1
49	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	3.6	5
48	New LiGePS Structure Ordering and Li-Ion Dynamics Unveiled in LiGeS-LiPS Superionic Conductors: A Solid-State Nuclear Magnetic Resonance Study. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 27029-27035	9.5	5
47	36-Nuclearity Organophosphonate-Functionalized Polyoxomolybdates: Synthesis, Characterization and Selective Catalytic Oxidation of Sulfides. <i>Chemistry - A European Journal</i> , 2020 , 26, 14896-14902	4.8	6
46	Novel hierarchical porous carbon prepared by a one-step template route for electric double layer capacitors and LiSe battery devices. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 4376-4385	13	14
45	Mobile Ions in Composite Solids. <i>Chemical Reviews</i> , 2020 , 120, 4169-4221	68.1	105
44	Effect of Halogen Doping in Sodium Solid Electrolytes Based on the Na ₈ Nb ₆ Si ₆ Quinary System. <i>Chemistry of Materials</i> , 2020 , 32, 4065-4071	9.6	5
43	Dynamics and Glass Transition of Supercooled Water Confined in Amphiphilic Polymer Films. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 6039-6044	6.4	
42	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	8.9	8
41	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	6.1	10
40	Methylsulfonylmethane-Based Deep Eutectic Solvent as a New Type of Green Electrolyte for a High-Energy-Density Aqueous Lithium-Ion Battery. <i>ACS Energy Letters</i> , 2019 , 4, 1419-1426	20.1	49

39	Synergy of Single-ion Conductive and Thermo-responsive Copolymer Hydrogels Achieving Anti-Arrhenius Ionic Conductivity. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 1404-1408	4.5	4
38	Rotational Cluster Anion Enabling Superionic Conductivity in Sodium-Rich Antiperovskite NaOBH. <i>Journal of the American Chemical Society</i> , 2019 , 141, 5640-5644	16.4	53
37	Polyethylene Glycol-Na Interface of Vanadium Hexacyanoferrate Cathode for Highly Stable Rechargeable Aqueous Sodium-Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 28762-28788	8.5	20
36	Characterizing oils in oil-water mixtures inside porous media by Overhauser dynamic nuclear polarization. <i>Fuel</i> , 2019 , 257, 116107	7.1	3
35	Bimetallic NiCoP nanoparticles incorporating with carbon nanotubes as efficient and durable electrode materials for dye sensitized solar cells. <i>Journal of Alloys and Compounds</i> , 2019 , 788, 198-205	5.7	17
34	Inverse solubility of chitin/chitosan in aqueous alkali solvents at low temperature. <i>Carbohydrate Polymers</i> , 2019 , 206, 487-492	10.3	14
33	Hybrid films of PEDOT containing transition metal phosphates as high effective Pt-free counter electrodes for dye sensitized solar cells. <i>Organic Electronics</i> , 2018 , 57, 171-177	3.5	6
32	Nitrogen and sulfur dual-doped chitin-derived carbon/graphene composites as effective metal-free electrocatalysts for dye sensitized solar cells. <i>Applied Surface Science</i> , 2018 , 441, 807-815	6.7	15
31	Manipulating Adsorption/Insertion Mechanisms in Nanostructured Carbon Materials for High-Efficiency Sodium Ion Storage. <i>Advanced Energy Materials</i> , 2017 , 7, 1700403	21.8	486
30	Preferential adsorption of the additive is not a prerequisite for cononsolvency in water-rich mixtures. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 30097-30106	3.6	15
29	LiFePO ₄ /TiO ₂ /Pt composite film used as effective and robust counter electrode for dye sensitized solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 18396-18403	2.1	3
28	Ion-selective copper hexacyanoferrate with an open-framework structure enables high-voltage aqueous mixed-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 16740-16747	13	51
27	Inhomogeneous-collapse driven micelle-vesicle transition of amphiphilic block copolymers. <i>Soft Matter</i> , 2017 , 13, 7106-7111	3.6	3
26	Simultaneous acquisition of multi-nuclei enhanced NMR/MRI by solution-state dynamic nuclear polarization. <i>Science China Chemistry</i> , 2016 , 59, 830-835	7.9	3
25	Efficient organic dyes based on perpendicular 6,12-diphenyl substituted indolo[3,2-b]carbazole donor. <i>Photochemical and Photobiological Sciences</i> , 2016 , 15, 1514-1523	4.2	14
24	Effect of Urea on Phase Transition of Poly(N-isopropylacrylamide) and Poly(N,N-diethylacrylamide) Hydrogels: A Clue for Urea-Induced Denaturation. <i>Macromolecules</i> , 2016 , 49, 234-243	5.5	56
23	Gradient shimming based on regularized estimation for B(0)-field and shim functions. <i>Journal of Magnetic Resonance</i> , 2016 , 268, 1-9	3	3
22	Dissolution of chitin in aqueous KOH. <i>Cellulose</i> , 2016 , 23, 1705-1711	5.5	17

21	Quantitative NMR investigation on the low-temperature dissolution mechanism of chitin in NaOH/urea aqueous solution. <i>Cellulose</i> , 2015 , 22, 2221-2229	5.5	10
20	In-Channel and In-Plane Li Ion Diffusions in the Superionic Conductor Li ₁₀ GeP ₂ S ₁₂ Probed by Solid-State NMR. <i>Chemistry of Materials</i> , 2015 , 27, 5503-5510	9.6	59
19	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	1.7	5
18	Phase Transition and Preferential Alcohol Adsorption of Poly(N,N-diethylacrylamide) Gel in Water/Alcohol Mixtures. <i>Macromolecules</i> , 2015 , 48, 1126-1133	5.5	24
17	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	2.5	8
16	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	3.7	8
15	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	9.3	5
14	Effect of surface acetylated-chitin nanocrystals on structure and mechanical properties of poly(lactic acid). <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	13
13	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	3.9	10
12	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	4.3	32
11	Ultralow field NMR spectrometer with an atomic magnetometer near room temperature. <i>Journal of Magnetic Resonance</i> , 2013 , 237, 158-163	3	14
10	Hydrophobic modification of cellulose nanocrystal via covalently grafting of castor oil. <i>Cellulose</i> , 2013 , 20, 179-190	5.5	91
9	Effects of end groups on phase transition and segmental mobility of poly(N-isopropylacrylamide) chains in D ₂ O. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011 , 49, 749-755	2.6	14
8	Crystalline Phases in Ethylene Copolymers Studied by Solid-State NMR and DSC. <i>Macromolecules</i> , 2010 , 43, 5713-5722	5.5	12
7	Anomalous diffusion of chains in semicrystalline ethylene polymers. <i>Journal of Chemical Physics</i> , 2009 , 130, 184709	3.9	8
6	¹ H MAS NMR studies of the phase separation of poly(N-isopropylacrylamide) gel in binary solvents. <i>Langmuir</i> , 2009 , 25, 5898-902	4	45
5	¹ H HRMAS NMR Study on Phase Transition of Poly(N-isopropylacrylamide) Gels with and without Grafted Comb-Type Chains. <i>Macromolecules</i> , 2009 , 42, 2074-2078	5.5	34
4	Effects of electron irradiation on poly(vinylidene fluoride-trifluoroethylene) copolymers studied by solid-state nuclear magnetic resonance spectroscopy. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006 , 44, 1714-1724	2.6	10

- 3 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 2.6 25
- 2 Microstructure and thermal properties of ethylene-(vinyl acetate) copolymer/rectorite nanocomposites. *Polymer International*, **2006**, 55, 312-318 3.3 25
- 1 An Overall Understanding of Sodium Storage Behaviors in Hard Carbons by an Adsorption-Intercalation/Filling Hybrid Mechanism. *Advanced Energy Materials*, 2200886 21.8 15