Jiwen Feng

List of Publications by Year
in descending order

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57	2,230	331670	223800
papers	citations	21 h-index	46 g-index

58	58	58	3241
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Low concentration electrolyte with non-solvating cosolvent enabling high-voltage lithium metal batteries. IScience, 2022, 25, 103490.	4.1	17
2	A poly(1,3-dioxolane) based deep-eutectic polymer electrolyte for high performance ambient polymer lithium battery. Materials Today Physics, 2022, 22, 100620.	6.0	10
3	Liâ€“Se batteries: Insights to the confined structure of selenium in hierarchical porous carbon and discharge mechanism in the carbonate electrolyte. Carbon, 2022, 191, 122-131.	10.3	22
4	An Overall Understanding of Sodium Storage Behaviors in Hard Carbons by an â€œAdsorptionâ€•Intercalation/Fillingâ€•Hybrid Mechanism. Advanced Energy Materials, 2022, 12, .	19.5	121
5	Preparation and characterization of curdlan with unique single-helical conformation and its assembly with Congo Red. Carbohydrate Polymers, 2021, 263, 117985.	10.2	8
6	In Situ Characterization of Over-Lithiation of Organosulfide-Based Lithium Metal Anodes. ACS Applied Materials & Interfaces, 2021, 13, 41555-41562.	8.0	9
7	THz-enhanced dynamic nuclear polarized liquid spectrometer. Journal of Magnetic Resonance, 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 Li₁₀SnP₂S₁₂: Insights from Nuclear Magnetic Resonance. Journal of Physical Chemistry C, 2021, 125, 27884-27890.	3.1	4
10	Dynamics and Glass Transition of Supercooled Water Confined in Amphiphilic Polymer Films. Journal of Physical Chemistry Letters, 2020, 11, 6039-6044.	4.6	2
11	High stable rate cycling performances of microporous carbon spheres/selenium composite (MPCS/Se) cathode as lithiumâ€“selenium battery. Journal of Power Sources, 2020, 473, 228611.	7.8	19
12	Novel Sodiumâ€“Poly(tartaric acid)Borate-Based Single-Ion Conducting Polymer Electrolyte for Sodiumâ€“Metal Batteries. ACS Applied Energy Materials, 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). Physical Chemistry Chemical Physics, 2020, 22, 12644-12650.	2.8	8
14	New Li₁₀GeP₂S₁₂ Structure Ordering and Li-Ion Dynamics Unveiled in Li₄GeS₄â€“Li₃PS₄ Superionic Conductors: A Solid-State Nuclear Magnetic Resonance Study. ACS Applied Materials & Interfaces, 2020, 12, 27029-27036.	8.0	9
15	36â€Nuclearity Organophosphonateâ€Functionalized Polyoxomolybdates: Synthesis, Characterization and Selective Catalytic Oxidation of Sulfides. Chemistry - A European Journal, 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 Liâ€“Se battery devices. Journal of Materials Chemistry A, 2020, 8, 4376-4385.	10.3	25
17	Mobile Ions in Composite Solids. Chemical Reviews, 2020, 120, 4169-4221.	47.7	193
18	Effect of Halogen Doping in Sodium Solid Electrolytes Based on the Naâ€“Snâ€“Siâ€“Pâ€“S Quinary System. Chemistry of Materials, 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 Singleâ€ion Conductive and Thermoâ€responsive Copolymer Hydrogels Achieving Antiâ€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 Na₃OBH₄. 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 Highâ€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	LiFePO4/TiO2/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(N-isopropylacrylamide) and Poly(N,N-diethylacrylamide) Hydrogels: A Clue for Urea-Induced Denaturation. Macromolecules, 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. Review of Scientific Instruments, 2015, 86, 083101.	1.3	7
39	Phase Transition and Preferential Alcohol Adsorption of Poly(N,N-diethylacrylamide) Gel in Water/Alcohol Mixtures. Macromolecules, 2015, 48, 1126-1133.	4.8	29
40	Quantitative NMR investigation on the low-temperature dissolution mechanism of chitin in NaOH/urea aqueous solution. Cellulose, 2015, 22, 2221-2229.	4.9	11
41	In-Channel and In-Plane Li Ion Diffusions in the Superionic Conductor Li₁₀GeP₂S₁₂ Probed by Solid-State NMR. Chemistry of Materials, 2015, 27, 5503-5510.	6.7	75
42	Highly mobile segments in crystalline poly(ethylene oxide)8:NaPF6 electrolytes studied by solid-state NMR spectroscopy. Journal of Chemical Physics, 2014, 140, 074901.	3.0	10
43	Efficient Ï€-conjugated interrupted host polymer by metal-free polymerization for blue/green phosphorescent light-emitting diodes. Journal of Polymer Science Part A, 2014, 52, 1037-1046.	2.3	9
44	Bipolar Ï€-conjugation interrupted host polymers by metal-free superacid-catalyzed polymerization for single-layer electrophosphorescent diodes. RSC Advances, 2014, 4, 50027-50034.	3.6	8
45	Decorating titanate nanotubes with protonated 1,2,4-triazole moieties for anhydrous proton conduction. Journal of Colloid and Interface Science, 2014, 432, 26-30.	9.4	8
46	Effect of surface acetylatedâ€chitin nanocrystals on structure and mechanical properties of poly(lactic acid). Journal of Applied Polymer Science, 2014, 131, .	2.6	18
47	Dimensionality-dependent photocatalytic activity of TiO2-based nanostructures: nanosheets with a superior catalytic property. Journal of Materials Science, 2013, 48, 5171-5179.	3.7	34
48	Ultralow field NMR spectrometer with an atomic magnetometer near room temperature. Journal of Magnetic Resonance, 2013, 237, 158-163.	2.1	21
49	Hydrophobic modification of cellulose nanocrystal via covalently grafting of castor oil. Cellulose, 2013, 20, 179-190.	4.9	112
50	Effects of end groups on phase transition and segmental mobility of poly(Nâ€isopropylacrylamide) chains in D₂O. Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 749-755.	2.1	15
51	Crystalline Phases in Ethylene Copolymers Studied by Solid-State NMR and DSC. Macromolecules, 2010, 43, 5713-5722.	4.8	12
52	Anomalous diffusion of chains in semicrystalline ethylene polymers. Journal of Chemical Physics, 2009, 130, 184709.	3.0	9
53	¹H MAS NMR Studies of the Phase Separation of Poly(N-isopropylacrylamide) Gel in Binary Solvents. Langmuir, 2009, 25, 5898-5902.	3.5	50
54	¹H HRMAS NMR Study on Phase Transition of Poly(N-isopropylacrylamide) Gels with and without Grafted Comb-Type Chains. Macromolecules, 2009, 42, 2074-2078.	4.8	36

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55	Effects of electron irradiation on poly(vinylidene fluorideâ€“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