

# Jiwen Feng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7033194/publications.pdf>

Version: 2024-02-01

57  
papers

2,230  
citations

377584

21  
h-index

252626

46  
g-index

58  
all docs

58  
docs citations

58  
times ranked

3731  
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.	1.9	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.	2.9	10
3	Li <sup>+</sup> /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.	5.4	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, .	10.2	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.	5.1	8
6	In Situ Characterization of Over-Lithiation of Organosulfide-Based Lithium Metal Anodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 41555-41562.	4.0	9
7	THz-enhanced dynamic nuclear polarized liquid spectrometer. <i>Journal of Magnetic Resonance</i> , 2021, 330, 107044.	1.2	1
8	A Digital Distributed Spectrometer for Dual-nuclei Simultaneous MRI. , 2021, , .		1
9	Selective Blockage of Li-Ion Diffusion Pathways in Li <sub>10</sub> SnP <sub>2</sub> S <sub>12</sub> : Insights from Nuclear Magnetic Resonance. <i>Journal of Physical Chemistry C</i> , 2021, 125, 27884-27890.	1.5	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.	2.1	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.	4.0	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.	2.5	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.	1.3	8
14	New Li <sub>10</sub> Ge <sub>2</sub> S <sub>12</sub> Structure Ordering and Li-Ion Dynamics Unveiled in Li <sub>4</sub> GeS <sub>4</sub> -Li <sub>3</sub> PS <sub>4</sub> Superionic Conductors: A Solid-State Nuclear Magnetic Resonance Study. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 27029-27036.	4.0	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.	1.7	14
16	Novel hierarchical porous carbon prepared by a one-step template route for electric double layer capacitors and Li <sup>+</sup> /Se battery devices. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4376-4385.	5.2	25
17	Mobile Ions in Composite Solids. <i>Chemical Reviews</i> , 2020, 120, 4169-4221.	23.0	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.	3.2	15

#	ARTICLE	IF	CITATIONS
19	Polyethylene Glycolâ€“Na <sup>+</sup> Interface of Vanadium Hexacyanoferrate Cathode for Highly Stable Rechargeable Aqueous Sodium-Ion Battery. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 28762-28768.	4.0	41
20	Characterizing oils in oil-water mixtures inside porous media by Overhauser dynamic nuclear polarization. <i>Fuel</i> , 2019, 257, 116107.	3.4	6
21	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.	8.8	87
22	Synergy of Singleâ€“ion Conductive and Thermoâ€“responsive Copolymer Hydrogels Achieving Antiâ€“Arrhenius Ionic Conductivity. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1404-1408.	1.7	9
23	Rotational Cluster Anion Enabling Superionic Conductivity in Sodium-Rich Antiperovskite Na <sub>3</sub> OBH <sub>4</sub> . <i>Journal of the American Chemical Society</i> , 2019, 141, 5640-5644.	6.6	97
24	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.	2.8	21
25	Inverse solubility of chitin/chitosan in aqueous alkali solvents at low temperature. <i>Carbohydrate Polymers</i> , 2019, 206, 487-492.	5.1	22
26	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.	1.4	7
27	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.	3.1	20
28	Manipulating Adsorptionâ€“Insertion Mechanisms in Nanostructured Carbon Materials for Highâ€“Efficiency Sodium Ion Storage. <i>Advanced Energy Materials</i> , 2017, 7, 1700403.	10.2	662
29	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.	1.3	24
30	LiFePO <sub>4</sub> /TiO <sub>2</sub> /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.	1.1	4
31	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.	5.2	74
32	Inhomogeneous-collapse driven micelleâ€“vesicle transition of amphiphilic block copolymers. <i>Soft Matter</i> , 2017, 13, 7106-7111.	1.2	4
33	Gradient shimming based on regularized estimation for B <sub>0</sub> -field and shim functions. <i>Journal of Magnetic Resonance</i> , 2016, 268, 1-9.	1.2	3
34	Dissolution of chitin in aqueous KOH. <i>Cellulose</i> , 2016, 23, 1705-1711.	2.4	23
35	Simultaneous acquisition of multi-nuclei enhanced NMR/MRI by solution-state dynamic nuclear polarization. <i>Science China Chemistry</i> , 2016, 59, 830-835.	4.2	4
36	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.	1.6	16

#	ARTICLE	IF	CITATIONS
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.	2.2	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.	0.6	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.	2.2	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.	2.4	11
41	In-Channel and In-Plane Li Ion Diffusions in the Superionic Conductor $\text{Li}_{10}\text{GeP}_{12}\text{S}_{12}$ Probed by Solid-State NMR. <i>Chemistry of Materials</i> , 2015, 27, 5503-5510.	3.2	75
42	Highly mobile segments in crystalline poly(ethylene oxide) <sub>8</sub> :NaPF <sub>6</sub> electrolytes studied by solid-state NMR spectroscopy. <i>Journal of Chemical Physics</i> , 2014, 140, 074901.	1.2	10
43	Efficient $\pi$ -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	9
44	Bipolar $\pi$ -conjugation interrupted host polymers by metal-free superacid-catalyzed polymerization for single-layer electrophosphorescent diodes. <i>RSC Advances</i> , 2014, 4, 50027-50034.	1.7	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.	5.0	8
46	Effect of surface acetylated $\pi$ -chitin nanocrystals on structure and mechanical properties of poly(lactic acid). <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	18
47	Dimensionality-dependent photocatalytic activity of TiO <sub>2</sub> -based nanostructures: nanosheets with a superior catalytic property. <i>Journal of Materials Science</i> , 2013, 48, 5171-5179.	1.7	34
48	Ultralow field NMR spectrometer with an atomic magnetometer near room temperature. <i>Journal of Magnetic Resonance</i> , 2013, 237, 158-163.	1.2	21
49	Hydrophobic modification of cellulose nanocrystal via covalently grafting of castor oil. <i>Cellulose</i> , 2013, 20, 179-190.	2.4	112
50	Effects of end groups on phase transition and segmental mobility of poly( <i>N</i> -isopropylacrylamide) chains in $\text{D}_2\text{O}$ . <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011, 49, 749-755.	2.4	15
51	Crystalline Phases in Ethylene Copolymers Studied by Solid-State NMR and DSC. <i>Macromolecules</i> , 2010, 43, 5713-5722.	2.2	12
52	Anomalous diffusion of chains in semicrystalline ethylene polymers. <i>Journal of Chemical Physics</i> , 2009, 130, 184709.	1.2	9
53	<sup>1</sup> 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.	1.6	50
54	<sup>1</sup> 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.	2.2	36

#	ARTICLE	IF	CITATIONS
55	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.	2.4	12
56	Solid-state NMR characterizations on phase structures and molecular dynamics of poly(ethylene-co-vinyl acetate). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 2864-2879.	2.4	27
57	Microstructure and thermal properties of ethylene-(vinyl acetate) copolymer/rectorite nanocomposites. <i>Polymer International</i> , 2006, 55, 312-318.	1.6	25