

## List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Oxygen vacancy distributions and electron localization in a CeO <sub>2</sub> (100) nanocube. Inorganic Chemistry Frontiers, 2022, 9, 275-283.	3.0	8
2	Dramatic and Reversible Waterâ€Induced Stiffening Driven by Phase Separation within Polymer Gels. Advanced Functional Materials, 2022, 32, 2109850.	7.8	20
3	Stabilizing Layered Structure in Aqueous Electrolyte via Dynamic Water Intercalation/Deintercalation. Advanced Materials, 2022, 34, e2108541.	11.1	22
4	Stretchable Hydrogels with Low Hysteresis and High Fracture Toughness for Flexible Electronics. Macromolecular Rapid Communications, 2022, 43, e2100716.	2.0	9
5	Unblocking Oxygen Charge Compensation for Stabilized Highâ€Voltage Structure in P2â€Type Sodiumâ€lon Cathode. Advanced Science, 2022, 9, e2200498.	5.6	32
6	Direct transformation of ZIF-8 into hollow porous carbons and hollow carbon composites. Nano Research, 2022, 15, 5769-5774.	5.8	10
7	Joule heating of ionic conductors using zero-phase frequency alternating current to suppress electrochemical reactions. Engineering, 2022, , .	3.2	4
8	Fluorinated Poly(ionic liquid) Copolymers as Transparent, Strong, and Versatile Adhesive Materials. ACS Applied Polymer Materials, 2022, 4, 3217-3224.	2.0	6
9	Acidâ€inâ€Clay Electrolyte for Wideâ€Temperatureâ€Range and Longâ€Cycle Proton Batteries. Advanced Materials, 2022, 34, e2202063.	11.1	16
10	Bioinspired Semicrystalline Dynamic lonogels with Adaptive Mechanics and Tactile Sensing. ACS Applied Materials & Interfaces, 2022, 14, 20132-20138.	4.0	5
11	Modulating precursor nanosheets for stabilized Ni-rich cathode material for Li-ion batteries. Rare Metals, 2022, 41, 2552-2559.	3.6	19
12	Transient Solid‣tate Laser Activation of Indium for Highâ€Performance Reduction of CO <sub>2</sub> to Formate. Small, 2022, 18, e2201311.	5.2	22
13	Fabrication of metal-organic framework-based nanofibrous separator via one-pot electrospinning strategy. Nano Research, 2021, 14, 1465-1470.	5.8	32
14	Improving Dielectric Constant of Polymers through Liquid Electrolyte Inclusion. Advanced Functional Materials, 2021, 31, 2007863.	7.8	25
15	LiMnO2 cathode stabilized by interfacial orbital ordering for sustainable lithium-ion batteries. Nature Sustainability, 2021, 4, 392-401.	11.5	156
16	A nanorod-like Ni-rich layered cathode with enhanced Li <sup>+</sup> diffusion pathways for high-performance lithium-ion batteries. Journal of Materials Chemistry A, 2021, 9, 2830-2839.	5.2	58
17	Fabrication of Metal–Organic Framework/Polymer Composites via a One-Pot Solvent Crystal Template Strategy. ACS Applied Polymer Materials, 2021, 3, 2038-2044.	2.0	5
18	Modulating the Surface Ligand Orientation for Stabilized Anionic Redox in Liâ€Rich Oxide Cathodes. Advanced Energy Materials, 2021, 11, 2003479.	10.2	45

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19	Insight into the capacity decay mechanism of cycled LiNi <sub>0.5</sub> Co <sub>0.2</sub> Mn <sub>0.3</sub> O <sub>2</sub> cathodes via in situ x-ray diffraction. Nanotechnology, 2021, 32, 295701.	1.3	17
20	Colorimetric Ionic Organohydrogels Mimicking Human Skin for Mechanical Stimuli Sensing and Injury Visualization. ACS Applied Materials & Interfaces, 2021, 13, 26490-26497.	4.0	23
21	Highly Transparent, Stretchable, and Conducting Ionoelastomers Based on Poly(ionic liquid)s. ACS Applied Materials & Interfaces, 2021, 13, 31102-31110.	4.0	39
22	Solvothermal synthesis of covalent triazine framework and its application in photodegradation of organic dyes. Materials Today Chemistry, 2021, 20, 100475.	1.7	10
23	Metal Oxy-Hydroxides with a Hierarchical and Hollow Structure for Highly Efficient Solar-Thermal Water Evaporation. ACS Applied Materials & Interfaces, 2021, 13, 27726-27733.	4.0	9
24	Hierarchically Porous Monolith with High MOF Accessibility and Strengthened Mechanical Properties using Waterâ€inâ€Oil High Internal Phase Emulsion Template. Advanced Materials Interfaces, 2021, 8, 2100620.	1.9	12
25	All-Solid-State Self-Healing Ionic Conductors Enabled by Ion–Dipole Interactions within Fluorinated Poly(Ionic Liquid) Copolymers. ACS Applied Materials & Interfaces, 2021, 13, 41140-41148.	4.0	42
26	Cation mixing in Wadsley-Roth phase anode of lithium-ion battery improves cycling stability and fast Li+ storage. Applied Physics Reviews, 2021, 8, .	5.5	21
27	Flexible nanoporous antireflection coatings prepared from controllable latex aggregation and their efficient color deepening function. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 627, 127165.	2.3	2
28	Hierarchically porous carbon with heteroatom doping for the application of Zn-ion capacitors. Carbon, 2021, 185, 1-8.	5.4	35
29	Damage-resistant and healable polyacrylonitrile-derived stretchable materials with exceptional fracture toughness and fatigue threshold. Journal of Materials Chemistry A, 2021, 9, 23451-23458.	5.2	6
30	Structure and Charge Regulation Strategy Enabling Superior Cyclability for Niâ€Rich Layered Cathode Materials. Small, 2021, 17, e2104282.	5.2	36
31	Ten Thousand-Cycle Ultrafast Energy Storage of Wadsley–Roth Phase Fe–Nb Oxides with a Desolvation Promoting Interfacial Layer. Nano Letters, 2021, 21, 9675-9683.	4.5	17
32	Spontaneous Strain Buffer Enables Superior Cycling Stability in Single-Crystal Nickel-Rich NCM Cathode. Nano Letters, 2021, 21, 9997-10005.	4.5	58
33	In Situ Probing Multipleâ€Scale Structures of Energy Materials for Liâ€Ion Batteries. Small Methods, 2020, 4, 1900223.	4.6	39
34	Structuring Metal–Organic Framework Materials into Hierarchically Porous Composites through Oneâ€Pot Fabrication Strategy. Chemistry - A European Journal, 2020, 26, 3358-3363.	1.7	5
35	Boosting fast energy storage by synergistic engineering of carbon and deficiency. Nature Communications, 2020, 11, 132.	5.8	92
36	Reversible Water Transportation Diode: Temperatureâ€Adaptive Smart Janus Textile for Moisture/Thermal Management. Advanced Functional Materials, 2020, 30, 1907851.	7.8	120

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37	Highly stretchable, recyclable, notch-insensitive, and conductive polyacrylonitrile-derived organogel. Journal of Materials Chemistry A, 2020, 8, 20346-20353.	5.2	36
38	Negativeâ€Pressureâ€Induced Large Polarization in Nanosized PbTiO <sub>3</sub> . Advanced Materials, 2020, 32, e2002968.	11.1	20
39	Stretchable, Phaseâ€Transformable Ionogels with Reversible Ionic Conductor–Insulator Transition. Advanced Functional Materials, 2020, 30, 2005079.	7.8	37
40	Tuning the Kinetics of Zincâ€ion Insertion/Extraction in V <sub>2</sub> O <sub>5</sub> by In Situ Polyaniline Intercalation Enables Improved Aqueous Zincâ€ion Storage Performance. Advanced Materials, 2020, 32, e2001113.	11.1	357
41	Unveiling the solid-solution charge storage mechanism in 1T vanadium disulfide nanoarray cathodes. Journal of Materials Chemistry A, 2020, 8, 9068-9076.	5.2	36
42	Ultralow‣train Zn‣ubstituted Layered Oxide Cathode with Suppressed P2–O2 Transition for Stable Sodium Ion Storage. Advanced Functional Materials, 2020, 30, 1910327.	7.8	110
43	Achieving Ultrahighâ€Rate and Highâ€Safety Li <sup>+</sup> Storage Based on Interconnected Tunnel Structure in Microâ€Size Niobium Tungsten Oxides. Advanced Materials, 2020, 32, e1905295.	11.1	95
44	Synergy of Ion Doping and Spiral Array Architecture on Ti <sub>2</sub> Nb <sub>10</sub> O <sub>29</sub> : A New Way to Achieve Highâ€Power Electrodes. Advanced Functional Materials, 2020, 30, 2002665.	7.8	37
45	Structuring the reduced graphene oxide/polyHIPE foam for piezoresistive sensing via emulsion-templated polymerization. Composites Part A: Applied Science and Manufacturing, 2020, 134, 105898.	3.8	30
46	Recent progress on MOFâ€derived carbon materials for energy storage. , 2020, 2, 176-202.		198
47	Lithiumâ€ion Batteries: Radially Oriented Singleâ€Crystal Primary Nanosheets Enable Ultrahigh Rate and Cycling Properties of LiNi <sub>0.8</sub> Co <sub>0.1</sub> Mn <sub>0.1</sub> O <sub>2</sub> Cathode Material for Lithiumâ€ion Batteries (Adv. Energy Mater. 15/2019). Advanced Energy Materials, 2019, 9, 1970051.	10.2	14
48	Radially Oriented Singleâ€Crystal Primary Nanosheets Enable Ultrahigh Rate and Cycling Properties of LiNi <sub>0.8</sub> Co <sub>0.1</sub> Mn <sub>0.1</sub> O <sub>2</sub> Cathode Material for Lithiumâ€Ion Batteries. Advanced Energy Materials, 2019, 9, 1803963.	10.2	240
49	Development of a Highly Sensitive, Broad-Range Hierarchically Structured Reduced Graphene Oxide/PolyHIPE Foam for Pressure Sensing. ACS Applied Materials & Interfaces, 2019, 11, 4318-4327.	4.0	83
50	Interconnected Porous Monolith Prepared via UiOâ€66 Stabilized Pickering High Internal Phase Emulsion Template. Chemistry - A European Journal, 2018, 24, 16426-16431.	1.7	28
51	Collectable and Recyclable Mussel-Inspired Poly(ionic liquid)-Based Sorbents for Ultrafast Water Treatment. ACS Sustainable Chemistry and Engineering, 2017, 5, 2829-2835.	3.2	30
52	Engineering Elastic ZIFâ€8â€Sponges for Oil–Water Separation. Advanced Materials Interfaces, 2017, 4, 1700560.	1.9	49
53	Rapid collection and re-dispersion of MOF particles by a simple and versatile method using a thermo-responsive polymer. RSC Advances, 2016, 6, 63398-63402.	1.7	3
54	Assembly of a Metal–Organic Framework into 3 D Hierarchical Porous Monoliths Using a Pickering High Internal Phase Emulsion Template. Chemistry - A European Journal, 2016, 22, 8751-8755.	1.7	80

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55	MOFsome via Transient Pickering Emulsion Template. Advanced Materials Interfaces, 2016, 3, 1600294.	1.9	7
56	Flexible and Porous Nanocellulose Aerogels with High Loadings of Metal–Organicâ€Framework Particles for Separations Applications. Advanced Materials, 2016, 28, 7652-7657.	11.1	369
57	Alginate Hydrogel: A Shapeable and Versatile Platform for <i>in Situ</i> Preparation of Metal–Organic Framework–Polymer Composites. ACS Applied Materials & Interfaces, 2016, 8, 17395-17401.	4.0	127
58	A versatile and facile surface modification route based on polydopamine for the growth of MOF films on different substrates. Canadian Journal of Chemical Engineering, 2015, 93, 63-67.	0.9	18
59	Preparation of raspberry-like ZIF-8/PS composite spheres via dispersion polymerization. Dalton Transactions, 2015, 44, 16752-16757.	1.6	24
60	Reversibly Dispersible/Collectable Metalâ€Organic Frameworks Prepared by Grafting Thermally Responsive and Switchable Polymers. Macromolecular Materials and Engineering, 2015, 300, 191-197.	1.7	27