

Qinmin Pan

List of Publications by Year in Descending Order

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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.

72
papers

3,861
citations

35
h-index

61
g-index

74
ext. papers

4,236
ext. citations

8.2
avg. IF

6
L-index

#	Paper	IF	Citations
72	Unraveling the advances of trace doping engineering for potassium ion battery anodes via tomography. <i>Journal of Energy Chemistry</i> , 2021 , 58, 355-363	12	9
71	Stabilizing Lithium Metal Anodes by a Self-Healable and Li-Regulating Interlayer. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 44983-44990	9.5	2
70	A multi-functional binder for high loading sulfur cathode. <i>Journal of Energy Chemistry</i> , 2020 , 46, 99-104	12	10
69	Intelligent Icephobic Surface toward Self-Deicing Capability. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 792-799	8.3	13
68	Self-Healable Hydrogel Electrolyte toward High-Performance and Reliable Quasi-Solid-State Zn-MnO Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 38762-38770	9.5	37
67	Surface-engineered vanadium nitride nanosheets for an imaging-guided photothermal/photodynamic platform of cancer treatment. <i>Nanoscale</i> , 2019 , 11, 1968-1977	7.7	17
66	Fast Healable Superhydrophobic Material. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 29388-29395	9.5	28
65	Unraveling the Origins of the "Unreactive Core" in Conversion Electrodes to Trigger High Sodium-Ion Electrochemistry. <i>ACS Energy Letters</i> , 2019 , 4, 2007-2012	20.1	25
64	High Stable Sulfur Cathode with Self-Healable and Physical Confining Polydimethylsiloxane Interlayer. <i>ChemElectroChem</i> , 2019 , 6, 5705-5711	4.3	1
63	Sodium Hyaluronate: A Versatile Polysaccharide toward Intrinsically Self-Healable Energy-Storage Devices. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 3136-3141	9.5	10
62	A superhydrophobic aerogel with robust self-healability. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 4424-4431	13	51
61	An all-in-one self-healable capacitor with superior performance. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 2500-2506	13	45
60	Mussel-inspired healing of a strong and stiff polymer. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 6667-6674	13	34
59	Stabilizing Li Metal Anodes through a Novel Self-Healing Strategy. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 11097-11104	8.3	24
58	An Omni-healable and Tailorable Aqueous Lithium-Ion Battery. <i>ChemElectroChem</i> , 2018 , 5, 637-642	4.3	19
57	Realizing High-Performance Sulfur Cathodes through a Self-Healing and Confining Strategy. <i>ACS Applied Energy Materials</i> , 2018 , 1, 6919-6926	6.1	10
56	Fast and highly reversible switching of wettability through macroscopic shape change. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 11288-11295	13	10

55	Controlled Movement of a Smart Miniature Submarine at Various Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 24899-24904	9.5	8
54	An Omni-Healable Supercapacitor Integrated in Dynamically Cross-Linked Polymer Networks. <i>Advanced Functional Materials</i> , 2017 , 27, 1700690	15.6	93
53	Self-Healable and Cold-Resistant Supercapacitor Based on a Multifunctional Hydrogel Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 15541-15548	9.5	124
52	Rationally Designed Self-Healing Hydrogel Electrolyte toward a Smart and Sustainable Supercapacitor. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 27745-27753	9.5	56
51	Mussel-Inspired Self-Healing of Ultralight Magnetic Frameworks. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 7905-7911	8.3	10
50	A self-healable polyvinyl alcohol-based hydrogel electrolyte for smart electrochemical capacitors. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 17732-17739	13	97
49	Remote Manipulation of a Microdroplet in Water by Near-Infrared Laser. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 1273-9	9.5	17
48	Effectively Improving Capacitive Performance of Three-Dimensional Iron(III) Oxide Nanotube Arrays by Rationally Filling Mesopores with Polypyrrole. <i>ChemElectroChem</i> , 2016 , 3, 1407-1414	4.3	
47	3D Graphene Functionalized by Covalent Organic Framework Thin Film as Capacitive Electrode in Alkaline Media. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 17837-43	9.5	83
46	A miniature surface tension-driven robot mimicking the water-surface locomotion of water strider 2015 ,		6
45	Embedding MnO nanoparticles in robust carbon microsheets for excellent lithium storage properties. <i>Journal of Power Sources</i> , 2015 , 299, 265-272	8.9	37
44	3D graphene/ZnO nanorods composite networks as supercapacitor electrodes. <i>Journal of Alloys and Compounds</i> , 2015 , 620, 31-37	5.7	107
43	Facile Fabrication of Robust Ice-Phobic Polyurethane Sponges. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1500219	4.6	26
42	Mussel-inspired direct immobilization of nanoparticles and application for oil-water separation. <i>ACS Nano</i> , 2014 , 8, 1402-9	16.7	293
41	Bubble-induced transport of oil droplets in water. <i>Chemical Communications</i> , 2014 , 50, 13817-20	5.8	4
40	Highly compressible and stretchable superhydrophobic coating inspired by bio-adhesion of marine mussels. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 11365-11371	13	72
39	Constructing robust liquid marbles for miniaturized synthesis of graphene/Ag nanocomposite. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 8378-86	9.5	65
38	Vertical force acting on partly submerged spindly cylinders. <i>AIP Advances</i> , 2014 , 4, 047118	1.5	11

- 37 A smart "strider" can float on both water and oils. *ACS Applied Materials & Interfaces*, **2014**, 6, 21355-62 11
- 36 Versatile fabrication of ultralight magnetic foams and application for oil-water separation. *ACS Nano*, **2013**, 7, 6875-83 16.7 292
- 35 Surfactant-enhanced liquid-liquid microextraction coupled to micro-solid phase extraction onto highly hydrophobic magnetic nanoparticles. *Mikrochimica Acta*, **2013**, 180, 775-782 5.8 20
- 34 Improving the lithium storage properties of Fe₂O₃@C nanoparticles by superoleophilic and superhydrophobic polysiloxane coatings. *Journal of Materials Chemistry*, **2012**, 22, 15894 28
- 33 Controlled fabrication of flower-like ZnO@Fe₂O₃ nanostructured films with excellent lithium storage properties through a partly sacrificed template method. *Journal of Materials Chemistry*, **2012**, 22, 7544 39
- 32 Covalent binding of Si nanoparticles to graphene sheets and its influence on lithium storage properties of Si negative electrode. *Journal of Materials Chemistry*, **2012**, 22, 3420 87
- 31 Why superhydrophobicity is crucial for a water-jumping microrobot? Experimental and theoretical investigations. *ACS Applied Materials & Interfaces*, **2012**, 4, 3706-11 9.5 53
- 30 Cloud point-dispersive solid phase extraction of hydrophobic organic compounds onto highly hydrophobic core-shell Fe₃O₄@C magnetic nanoparticles. *Journal of Chromatography A*, **2012**, 1251, 33-39 4.5 53
- 29 A water walking robot inspired by water strider **2012**, 6
- 28 Fabrication and electrochemical behavior of flower-like ZnO@CoO nanowall arrays as anodes for lithium-ion batteries. *Journal of Alloys and Compounds*, **2011**, 509, 9207-9213 5.7 57
- 27 Bioinspired aquatic microrobot capable of walking on water surface like a water strider. *ACS Applied Materials & Interfaces*, **2011**, 3, 2630-6 9.5 106
- 26 Chemical Anchoring of Ag Nanoparticles to Si Surfaces and Its Application in Lithium Ion Batteries. *Electrochemical and Solid-State Letters*, **2011**, 14, A180 9
- 25 Enhancing Lithium Storage Capacity of ZnO Anodes Through Ni₃ZnC_{0.7} Incorporation. *Journal of the Electrochemical Society*, **2010**, 157, A55 3.9 29
- 24 Fast and selective removal of oils from water surface via highly hydrophobic core-shell Fe₂O₃@C nanoparticles under magnetic field. *ACS Applied Materials & Interfaces*, **2010**, 2, 3141-6 9.5 186
- 23 A Water Strider-Like Model with Large and Stable Loading Capacity Fabricated from Superhydrophobic Copper Foils. *ACS Applied Materials & Interfaces*, **2010**, 2, 2026-2030 9.5 49
- 22 MnO/C Nanocomposites as High Capacity Anode Materials for Li-Ion Batteries. *Electrochemical and Solid-State Letters*, **2010**, 13, A139 77
- 21 Improving the cycleability of Si anodes by covalently grafting with 4-carboxyphenyl groups. *Electrochemistry Communications*, **2010**, 12, 479-482 5.1 33
- 20 Flower-like ZnO@NiO films with high reversible capacity and rate capability for lithium-ion batteries. *Electrochimica Acta*, **2010**, 55, 5780-5785 6.7 98

19	Facile Fabrication of Cu ₂ O/CuO Nanocomposite Films for Lithium-Ion Batteries via Chemical Bath Deposition. <i>Electrochemical and Solid-State Letters</i> , 2009 , 12, A50		27
18	Facile fabrication of porous NiO films for lithium-ion batteries with high reversibility and rate capability. <i>Journal of Solid State Electrochemistry</i> , 2009 , 13, 1591-1597	2.6	33
17	Evaluation of ZnO nanorod arrays with dandelion-like morphology as negative electrodes for lithium-ion batteries. <i>Electrochimica Acta</i> , 2009 , 54, 2851-2855	6.7	214
16	Improving electrochemical performance of NiO films by electrodeposition on foam nickel substrates. <i>Journal of Applied Electrochemistry</i> , 2009 , 39, 1597-1602	2.6	43
15	PbO@C core-shell nanocomposites as an anode material of lithium-ion batteries. <i>Electrochemistry Communications</i> , 2009 , 11, 917-920	5.1	49
14	Miniature boats with striking loading capacity fabricated from superhydrophobic copper meshes. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 420-3	9.5	108
13	Fabrication of CuO/C films with sisal-like hierarchical microstructures and its application in lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2009 , 476, 408-413	5.7	68
12	Water-Cooked Cu ₂ O Films for Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2008 , 155, A452	3.9	14
11	Novel method to deposit metal particles on transition metal oxide films and its application in lithium-ion batteries. <i>Electrochimica Acta</i> , 2008 , 54, 197-202	6.7	18
10	Effect of covalently bonded polysiloxane multilayers on the electrochemical behavior of graphite electrode in lithium ion batteries. <i>Journal of Power Sources</i> , 2008 , 178, 379-386	8.9	8
9	Separating small amount of water and hydrophobic solvents by novel superhydrophobic copper meshes. <i>Applied Surface Science</i> , 2008 , 254, 6002-6006	6.7	183
8	Natural graphite modified with nitrophenyl multilayers as anode materials for lithium ion batteries. <i>Journal of Materials Chemistry</i> , 2007 , 17, 329-334		55
7	Fabrication of superhydrophobic surfaces on interconnected Cu(OH) ₂ nanowires via solution-immersion. <i>Nanotechnology</i> , 2007 , 18, 355605	3.4	66
6	Covalent modification of natural graphite with lithium benzoate multilayers via diazonium chemistry and their application in lithium ion batteries. <i>Electrochemistry Communications</i> , 2007 , 9, 754-760	5.1	51
5	Fabrication of CuO film with network-like architectures through solution-immersion and their application in lithium ion batteries. <i>Journal of Power Sources</i> , 2007 , 167, 206-211	8.9	115
4	Flower-like CuO film-electrode for lithium ion batteries and the effect of surface morphology on electrochemical performance. <i>Electrochimica Acta</i> , 2007 , 53, 951-956	6.7	81
3	Hydrophobization of Metal Surfaces by Covalent Grafting of Aromatic Layer via Aryldiazonium Chemistry and Their Application in the Fabrication of Superhydrophobic Surfaces. <i>Chemistry Letters</i> , 2007 , 36, 1312-1313	1.7	15
2	Ionic conducting polymer encapsulated graphite as the anode material for lithium ion batteries. <i>Polymers for Advanced Technologies</i> , 2003 , 14, 216-220	3.2	1

- 1 Novel modified graphite as anode material for lithium ion batteries. *Journal of Materials Chemistry*, **2002**, 12, 1833-1838