Hongming Zhou

List of Publications by Citations

25 papers	261 citations	10 h-index	15 g-index
25 ext. papers	359 ext. citations	3.4 avg, IF	3.72 L-index

#	Paper	IF	Citations
25	Synthesis and Electrochemical Properties of LiNiMnO for Li-Ion Batteries by the Metal-Organic Framework Method. *ACS Applied Materials & Interfaces*, **2018**, 10, 13625-13634	9.5	71
24	Metal-organic framework-mediated synthesis of LiNi0.5Mn1.5O4: Tuning the Mn3+ content and electrochemical performance by organic ligands. *Chemical Engineering Journal*, **2019**, 372, 408-419	14.7	28
23	Regeneration cathode material mixture from spent lithium iron phosphate batteries. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 9283-9290	2.1	22
22	A facile recycling and regeneration process for spent LiFePO4 batteries. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 14580-14588	2.1	17
21	Regenerating of LiNi0.5Co0.2Mn0.3O2 cathode materials from spent lithium-ion batteries. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 17661-17669	2.1	17
20	Facile one-step hydrothermal synthesis of PEDOT:PSS/MnO2 nanorod hybrids for high-rate supercapacitor electrode materials. *Ionics*, **2019**, 25, 685-695	2.7	16
19	An electrolyte to improve the deep charge–discharge performance of LiNi0.8Co0.15Al0.05O2 cathode. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 6648-6659	2.1	15
18	Effects of rare-earth dopants on the thermally grown Al2O3/Ni(Al) interface: the first-principles prediction. *Journal of Materials Science*, **2014**, 49, 2640-2646	4.3	12
17	A method for recovering Li3PO4 from spent lithium iron phosphate cathode material through high-temperature activation. *Ionics*, **2019**, 25, 5643-5653	2.7	11
16	Nano-SiO2@PMMA-doped composite polymer PVDF-HFP/PMMA/PEO electrolyte for lithium metal batteries. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 2708-2719	2.1	10
15	Fabrication of nanoplate Li-rich cathode material via surfactant-assisted hydrothermal method for lithium-ion batteries. *Ceramics International*, **2018**, 44, 20514-20523	5.1	7
14	Facile synthesis of SiO2/C anode using PVC as carbon source for lithium-ion batteries. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 69-78	2.1	6
13	Fluoroethylene carbonate as the additive of lithium difluoro(oxalate)borate–sulfolane electrolytes to improve the electrochemical performance of LiNi0.5Mn1.5O4 cathode. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 5098-5108	2.1	5
12	Three-dimensionally layers nanosheets of MoS2 with enhanced electrochemical performance using as free-standing anodes of lithium ion batteries. *Journal of Materials Science: Materials in Electronics* , **2018**, 29, 3110-3119	2.1	5
11	Enhanced rate capability and cycling stability of lithium-rich cathode material Li1.2Ni0.2Mn0.6O2 via H3PO4 pretreating and accompanying Li3PO4 coating. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 19493-19504	2.1	4
10	Regularities of ionic solvation and association of lithium difluoro(oxalate)borate in dimethyl carbonate and sulfolane solvent systems. *Ionics*, **2018**, 24, 2147-2155	2.7	3
9	Microstructures and Mechanical Properties of Hot-Pressed -Matrix Composites Reinforced with SiC and Particles. *ISRN Materials Science*, **2012**, 2012, 1-8		3

8	A potassium/chloride ion co-doped cathode material Li1.18K0.02Ni0.2Mn0.6O1.98Cl0.02 with enhanced electrochemical performance for lithium ion batteries. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 572-580	2.1	3
7	Improved Electrochemical Performance of a Li1.2Ni0.2Mn0.6O2 Cathode by a Hydrothermal Method with a Metal−Organic Framework as a Precursor. *ACS Applied Energy Materials*, **2021**, 4, 2506-2513	6.1	2
6	Characterization of CNT−pyrolytic C-layer-coated Al foil: interfacial structures, reactions, and performances. *Applied Physics A: Materials Science and Processing*, **2017**, 123, 1	2.6	1
5	Structures and interfaces of CNT: pyrolytic C coated Al foil and its performance as current collector of electrochemical double layer capacitor. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 15095-15105	2.1	1
4	Effects of in situ-converted Li3PO4 coating on electrochemical performance of MOF-assisted LiNi0.5Mn1.5O4 cathode materials for lithium-ion batteries. *Journal of Materials Science: Materials in Electronics*, **2022**, 33, 6872	2.1	1
3	Solvent-controlled the morphology and electrochemical properties of LiNi0.5Mn1.5O4 derived from metal−organic frameworks. *Ionics*, **2021**, 27, 4995	2.7	1
2	Synthesis of Na2FePO4F/C as cathode materials for sodium ion batteries with different solvents. *Journal of Materials Science: Materials in Electronics*, **2022**, 33, 6898	2.1	0
1	Enhanced electrochemical performance of LiNi0.5Mn1.5O4 by a dual modification of Ti doping and in situ coating using metal−organic frameworks as precursors. *Ionics*, **2022**, 28, 2099	2.7	0