Fangxi Xie

List of Publications by Year
in descending order

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24 papers	3,570 citations	394286 19 h-index	642610 23 g-index
24 all docs	24 docs citations	24 times ranked	4112 citing authors

#	Article	IF	Citations
1	Roadmap for advanced aqueous batteries: From design of materials to applications. Science Advances, 2020, 6, eaba4098.	4.7	1,069
2	Graphitic Carbon Nitride (gâ€C₃N₄)â€Derived Nâ€Rich Graphene with Tuneable Interlayer Distance as a Highâ€Rate Anode for Sodiumâ€Ion Batteries. Advanced Materials, 2019, 31, e1901261.	11.1	362
3	Engineering Highâ€Energy Interfacial Structures for Highâ€Performance Oxygenâ€Involving Electrocatalysis. Angewandte Chemie - International Edition, 2017, 56, 8539-8543.	7.2	314
4	Na₂Ti₃O₇@Nâ€Doped Carbon Hollow Spheres for Sodiumâ€Ion Batteries with Excellent Rate Performance. Advanced Materials, 2017, 29, 1700989.	11.1	275
5	Mechanism for Zincophilic Sites on Zincâ€Metal Anode Hosts in Aqueous Batteries. Advanced Energy Materials, 2021, 11, 2003419.	10.2	233
6	Atomic Engineering Catalyzed MnO₂ Electrolysis Kinetics for a Hybrid Aqueous Battery with High Power and Energy Density. Advanced Materials, 2020, 32, e2001894.	11.1	221
7	Ultrathin Titanate Nanosheets/Graphene Films Derived from Confined Transformation for Excellent Na/K Ion Storage. Angewandte Chemie - International Edition, 2018, 57, 8540-8544.	7.2	170
8	The Application of Hollow Structured Anodes for Sodiumâ€Ion Batteries: From Simple to Complex Systems. Advanced Materials, 2019, 31, e1800492.	11.1	143
9	Multi-shell hollow structured Sb2S3 for sodium-ion batteries with enhanced energy density. Nano Energy, 2019, 60, 591-599.	8.2	136
10	Toward practical lithium-ion battery recycling: adding value, tackling circularity and recycling-oriented design. Energy and Environmental Science, 2022, 15, 2732-2752.	15.6	110
11	1D Subâ€Nanotubes with Anatase/Bronze TiO₂ Nanocrystal Wall for Highâ€Rate and Longâ€Life Sodiumâ€Ion Batteries. Advanced Materials, 2018, 30, e1804116.	11.1	109
12	Studying the Conversion Mechanism to Broaden Cathode Options in Aqueous Zincâ€Ion Batteries. Angewandte Chemie - International Edition, 2021, 60, 25114-25121.	7.2	84
13	Revealing the Origin of Improved Reversible Capacity of Dual-Shell Bismuth Boxes Anode for Potassium-Ion Batteries. Matter, 2019, 1, 1681-1693.	5.0	81
14	1Tâ€²â€ReS₂ Confined in 2Dâ€Honeycombed Carbon Nanosheets as New Anode Materials for Highâ€Performance Sodiumâ€Ion Batteries. Advanced Energy Materials, 2019, 9, 1901146.	10.2	50
15	Engineering Highâ€Energy Interfacial Structures for Highâ€Performance Oxygenâ€Involving Electrocatalysis. Angewandte Chemie, 2017, 129, 8659-8663.	1.6	36
16	Ultrathin Titanate Nanosheets/Graphene Films Derived from Confined Transformation for Excellent Na/K Ion Storage. Angewandte Chemie, 2018, 130, 8676-8680.	1.6	36
17	Revealing the Magnesiumâ€Storage Mechanism in Mesoporous Bismuth via Spectroscopy and Abâ€Initio Simulations. Angewandte Chemie - International Edition, 2020, 59, 21728-21735.	7.2	34
18	Studying the Conversion Mechanism to Broaden Cathode Options in Aqueous Zincâ€Ion Batteries. Angewandte Chemie, 2021, 133, 25318-25325.	1.6	34

#	Article	IF	Citations
19	Ultra-small nanoparticles of MgTi₂O₅ embedded in carbon rods with superior rate performance for sodium ion batteries. Chemical Communications, 2015, 51, 3545-3548.	2.2	24
20	Efficient Surface Modulation of Single-Crystalline Na₂Ti₃O₇ Nanotube Arrays with Ti³⁺ Self-Doping toward Superior Sodium Storage. , 2019, 1, 389-398.		24
21	Hydrogenated dual-shell sodium titanate cubes for sodium-ion batteries with optimized ion transportation. Journal of Materials Chemistry A, 2020, 8, 15829-15833.	5.2	14
22	Sodiumâ€ion Batteries: 1Tâ€²â€ReS₂ Confined in 2Dâ€Honeycombed Carbon Nanosheets as New Anode Materials for Highâ€Performance Sodiumâ€ion Batteries (Adv. Energy Mater. 30/2019). Advanced Energy Materials, 2019, 9, 1970117.	10.2	4
23	Revealing the Magnesiumâ€Storage Mechanism in Mesoporous Bismuth via Spectroscopy and Abâ€Initio Simulations. Angewandte Chemie, 2020, 132, 21912-21919.	1.6	4
24	Hybrid Aqueous Batteries: Atomic Engineering Catalyzed MnO₂ Electrolysis Kinetics for a Hybrid Aqueous Battery with High Power and Energy Density (Adv. Mater. 25/2020). Advanced Materials, 2020, 32, 2070191.	11.1	3