Hua-Rong Xia

List of Publications by Year
in descending order

34	1,751	394286 19	454834 30
papers	citations	h-index	g-index

34	34	34	3002
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metalâ€Ion Oligomerization Inside Electrified Carbon Micropores and its Effect on Capacitive Charge Storage. Advanced Materials, 2022, 34, e2107439.	11.1	24
2	Hygroscopic Chemistry Enables Fireâ€Tolerant Supercapacitors with a Selfâ€Healable â€œSoluteâ€inâ€Airâ€• Electrolyte. Advanced Materials, 2022, 34, e2109857.	11.1	12
3	Enabling the Highâ€Voltage Operation of Layered Ternary Oxide Cathodes via Thermally Tailored Interphase. Small Methods, 2022, 6, e2100920.	4.6	5
4	Enabling the Highâ€Voltage Operation of Layered Ternary Oxide Cathodes via Thermally Tailored Interphase (Small Methods 4/2022). Small Methods, 2022, 6, .	4.6	1
5	A Figure of Merit for Fast-Charging Li-ion Battery Materials. ACS Nano, 2022, 16, 8525-8530.	7.3	37
6	Deep Cycling for Highâ€Capacity Liâ€Ion Batteries. Advanced Materials, 2021, 33, e2004998.	11.1	43
7	Decimal Solvent-Based High-Entropy Electrolyte Enabling the Extended Survival Temperature of Lithium-Ion Batteries to â¯130ÂÂ°C. CCS Chemistry, 2021, 3, 1245-1255.	4.6	65
8	Highly Elastic Binders Incorporated with Helical Molecules to Improve the Electrochemical Stability of Black Phosphorous Anodes for Sodiumâ€Ion Batteries. Batteries and Supercaps, 2020, 3, 101-107.	2.4	8
9	Siliconâ€Based Anode Materials: Mechanically Reinforced Localized Structure Design to Stabilize Solidâ€“Electrolyte Interface of the Composited Electrode of Si Nanoparticles and TiO₂ Nanotubes (Small 30/2020). Small, 2020, 16, 2070169.	5.2	0
10	Mechanically Reinforced Localized Structure Design to Stabilize Solidâ€“Electrolyte Interface of the Composited Electrode of Si Nanoparticles and TiO₂ Nanotubes. Small, 2020, 16, e2002094.	5.2	41
11	Dielectric Polarization in Inverse Spinelâ€Structured Mg₂TiO₄ Coating to Suppress Oxygen Evolution of Liâ€Rich Cathode Materials. Advanced Materials, 2020, 32, e2000496.	11.1	134
12	Adhesive Biocomposite Electrodes on Sweaty Skin for Long-Term Continuous Electrophysiological Monitoring. , 2020, 2, 478-484.		107
13	Unraveling the Formation of Amorphous MoS₂ Nanograins during the Electrochemical Delithiation Process. Advanced Functional Materials, 2019, 29, 1904843.	7.8	38
14	Interfacial Latticeâ€Strainâ€Driven Generation of Oxygen Vacancies in an Aerobicâ€Annealed TiO₂(B) Electrode. Advanced Materials, 2019, 31, e1906156.	11.1	53
15	Lowering Charge Transfer Barrier of LiMn₂O₄ via Nickel Surface Doping To Enhance Li⁺ Intercalation Kinetics at Subzero Temperatures. Journal of the American Chemical Society, 2019, 141, 14038-14042.	6.6	125
16	Correlating the Peukertâ€™s Constant with Phase Composition of Electrode Materials in Fast Lithiation Processes. , 2019, 1, 519-525.		45
17	Electrode Materials: Interfacial Latticeâ€Strainâ€Driven Generation of Oxygen Vacancies in an Aerobicâ€Annealed TiO₂(B) Electrode (Adv. Mater. 52/2019). Advanced Materials, 2019, 31, 1970367.	11.1	9
18	Approaching the Lithiation Limit of MoS₂ While Maintaining Its Layered Crystalline Structure to Improve Lithium Storage. Angewandte Chemie - International Edition, 2019, 58, 3521-3526.	7.2	62

#	Article	IF	Citations
19	Approaching the Lithiation Limit of MoS₂ While Maintaining Its Layered Crystalline Structure to Improve Lithium Storage. Angewandte Chemie, 2019, 131, 3559-3564.	1.6	18
20	Fluoroethylene Carbonate Enabling a Robust LiFâ€rich Solid Electrolyte Interphase to Enhance the Stability of the MoS₂ Anode for Lithiumâ€Ion Storage. Angewandte Chemie, 2018, 130, 3718-3722.	1.6	40
21	Fluoroethylene Carbonate Enabling a Robust LiFâ€rich Solid Electrolyte Interphase to Enhance the Stability of the MoS₂ Anode for Lithiumâ€Ion Storage. Angewandte Chemie - International Edition, 2018, 57, 3656-3660.	7.2	149
22	Honeycombâ€Lanternâ€Inspired 3D Stretchable Supercapacitors with Enhanced Specific Areal Capacitance. Advanced Materials, 2018, 30, e1805468.	11.1	152
23	Identifying the Origin and Contribution of Surface Storage in TiO₂(B) Nanotube Electrode by In Situ Dynamic Valence State Monitoring. Advanced Materials, 2018, 30, e1802200.	11.1	90
24	A contact study in hole conductor free perovskite solar cells with low temperature processed carbon electrodes. RSC Advances, 2017, 7, 20732-20737.	1.7	21
25	Reducing the Charge Carrier Transport Barrier in Functionally Layerâ€Graded Electrodes. Angewandte Chemie, 2017, 129, 15043-15048.	1.6	23
26	Reducing the Charge Carrier Transport Barrier in Functionally Layerâ€Graded Electrodes. Angewandte Chemie - International Edition, 2017, 56, 14847-14852.	7.2	88
27	Hydrothermal synthesis of organometal halide perovskites for Li-ion batteries. Chemical Communications, 2015, 51, 13787-13790.	2.2	118
28	Synthesis of dispersed long single-crystalline TiO2 paste and its application in DSSC as a scattering layer. Science China Chemistry, 2015, 58, 1501-1507.	4.2	1
29	Ultrathin ZnO membranes a few atomic layers in thickness. Science China Technological Sciences, 2014, 57, 315-321.	2.0	0
30	Floating Growth of Large-Scale Freestanding TiO₂ Nanorod Films at the Gasâ€“Liquid Interface for Additive-Free Li-Ion Battery Applications. ACS Applied Materials & Interfaces, 2014, 6, 17376-17383.	4.0	14
31	Room-temperature fabrication of dual-functional hierarchical TiO2 spheres for dye-sensitized solar cells. RSC Advances, 2014, 4, 12649.	1.7	11
32	Organohalide lead perovskite based photodetectors with much enhanced performance. Chemical Communications, 2014, 50, 13695-13697.	2.2	206
33	Large-scale floated single-crystalline TiO2 flower-like films: synthesis details and applications. RSC Advances, 2013, 3, 17668.	1.7	5
34	Self-Assembly of Large-Scale Floating TiO2Nanorod Arrays at the Gasâ€“Liquid Interface. ACS Applied Materials & Interfaces, 2013, 5, 8850-8852.	4.0	6