Hongxia Wang

List of Publications by Year
in descending order

25 papers	3,344 citations	331670 21 h-index	610901 24 g-index
25 all docs	25 docs citations	25 times ranked	4983 citing authors

#	Article	IF	Citations
1	Lithiophilic anchor points enabling endogenous symbiotic Li3N interface for homogeneous and stable lithium electrodeposition. Nano Energy, 2022, 93, 106836.	16.0	25
2	A lithiophilic hyperbranched polymer-decorated three-dimensional carbon skeleton boosting highly reversible lithium metal anode. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 647, 129104.	4.7	1
3	Free-standing ultrathin lithium metalâ€“graphene oxide host foils with controllable thickness for lithium batteries. Nature Energy, 2021, 6, 790-798.	39.5	198
4	Synergistic enhancement of electrocatalytic CO2 reduction to C2 oxygenates at nitrogen-doped nanodiamonds/Cu interface. Nature Nanotechnology, 2020, 15, 131-137.	31.5	169
5	Cryo-EM Structures of Atomic Surfaces and Host-Guest Chemistry in Metal-Organic Frameworks. Matter, 2020, 2, 1064.	10.0	2
6	Underpotential lithium plating on graphite anodes caused by temperature heterogeneity. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 29453-29461.	7.1	94
7	Electrode Design with Integration of High Tortuosity and Sulfur-Philicity for High-Performance Lithium-Sulfur Battery. Matter, 2020, 2, 1605-1620.	10.0	83
8	Dynamic Covalent Synthesis of Crystalline Porous Graphitic Frameworks. CheM, 2020, 6, 933-944.	11.7	123
9	Tortuosity Effects in Lithium-Metal Host Anodes. Joule, 2020, 4, 938-952.	24.0	150
10	Improving Lithium Metal Composite Anodes with Seeding and Pillaring Effects of Silicon Nanoparticles. ACS Nano, 2020, 14, 4601-4608.	14.6	61
11	Self-Selective Catalyst Synthesis for CO2 Reduction. Joule, 2019, 3, 1927-1936.	24.0	63
12	Nanodiamonds for energy. , 2019, 1, 13-18.		116
13	Cryo-EM Structures of Atomic Surfaces and Host-Guest Chemistry in Metal-Organic Frameworks. Matter, 2019, 1, 428-438.	10.0	102
14	Fast lithium growth and short circuit induced by localized-temperature hotspots in lithium batteries. Nature Communications, 2019, 10, 2067.	12.8	177
15	Composite lithium electrode with mesoscale skeleton via simple mechanical deformation. Science Advances, 2019, 5, eaau5655.	10.3	79
16	Vertically Aligned and Continuous Nanoscale Ceramicâ€“Polymer Interfaces in Composite Solid Polymer Electrolytes for Enhanced Ionic Conductivity. Nano Letters, 2018, 18, 3829-3838.	9.1	268
17	A manganeseâ€“hydrogen battery with potential for grid-scale energy storage. Nature Energy, 2018, 3, 428-435.	39.5	325
18	Efficient electrocatalytic CO2 reduction on a three-phase interface. Nature Catalysis, 2018, 1, 592-600.	34.4	336

#	Article	IF	Citations
19	Spectrally Selective Nanocomposite Textile for Outdoor Personal Cooling. Advanced Materials, 2018, 30, e1802152.	21.0	362
20	Thermal Management in Nanofiber-Based Face Mask. Nano Letters, 2017, 17, 3506-3510.	9.1	228
21	Low Bandgap Conjugated Polymers Based on a Nature-Inspired Bay-Annulated Indigo (BAI) Acceptor as Stable Electrochromic Materials. ACS Sustainable Chemistry and Engineering, 2016, 4, 2797-2805.	6.7	64
22	Nitrogen-doped graphenes as efficient electrocatalysts for the selective reduction of carbon dioxide to formate in aqueous solution. Green Chemistry, 2016, 18, 3250-3256.	9.0	252
23	Rational tuning of high-energy visible light absorption for panchromatic small molecules by a two-dimensional conjugation approach. Chemical Science, 2016, 7, 3857-3861.	7.4	25
24	Preparation of Highly Porous Coordination Polymer Coatings on Macroporous Polymer Monoliths for Enhanced Enrichment of Phosphopeptides. Journal of Visualized Experiments, 2015, , e52926.	0.3	2
25	Polymer monoliths with chelating functionalities for solid phase extraction of metal ions from water. Journal of Chromatography A, 2014, 1343, 128-134.	3.7	39