

Hongxia Wang

List of Publications by Year in descending order

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Version: 2024-02-01

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	Spectrally Selective Nanocomposite Textile for Outdoor Personal Cooling. <i>Advanced Materials</i> , 2018, 30, e1802152.	21.0	362
2	Efficient electrocatalytic CO ₂ reduction on a three-phase interface. <i>Nature Catalysis</i> , 2018, 1, 592-600.	34.4	336
3	A manganese-based hydrogen battery with potential for grid-scale energy storage. <i>Nature Energy</i> , 2018, 3, 428-435.	39.5	325
4	Vertically Aligned and Continuous Nanoscale Ceramic-Polymer Interfaces in Composite Solid Polymer Electrolytes for Enhanced Ionic Conductivity. <i>Nano Letters</i> , 2018, 18, 3829-3838.	9.1	268
5	Nitrogen-doped graphenes as efficient electrocatalysts for the selective reduction of carbon dioxide to formate in aqueous solution. <i>Green Chemistry</i> , 2016, 18, 3250-3256.	9.0	252
6	Thermal Management in Nanofiber-Based Face Mask. <i>Nano Letters</i> , 2017, 17, 3506-3510.	9.1	228
7	Free-standing ultrathin lithium metal-graphene oxide host foils with controllable thickness for lithium batteries. <i>Nature Energy</i> , 2021, 6, 790-798.	39.5	198
8	Fast lithium growth and short circuit induced by localized-temperature hotspots in lithium batteries. <i>Nature Communications</i> , 2019, 10, 2067.	12.8	177
9	Synergistic enhancement of electrocatalytic CO ₂ reduction to C ₂ oxygenates at nitrogen-doped nanodiamonds/Cu interface. <i>Nature Nanotechnology</i> , 2020, 15, 131-137.	31.5	169
10	Tortuosity Effects in Lithium-Metal Host Anodes. <i>Joule</i> , 2020, 4, 938-952.	24.0	150
11	Dynamic Covalent Synthesis of Crystalline Porous Graphitic Frameworks. <i>CheM</i> , 2020, 6, 933-944.	11.7	123
12	Nanodiamonds for energy. , 2019, 1, 13-18.		116
13	Cryo-EM Structures of Atomic Surfaces and Host-Guest Chemistry in Metal-Organic Frameworks. <i>Matter</i> , 2019, 1, 428-438.	10.0	102
14	Underpotential lithium plating on graphite anodes caused by temperature heterogeneity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 29453-29461.	7.1	94
15	Electrode Design with Integration of High Tortuosity and Sulfur-Philicity for High-Performance Lithium-Sulfur Battery. <i>Matter</i> , 2020, 2, 1605-1620.	10.0	83
16	Composite lithium electrode with mesoscale skeleton via simple mechanical deformation. <i>Science Advances</i> , 2019, 5, eaau5655.	10.3	79
17	Low Bandgap Conjugated Polymers Based on a Nature-Inspired Bay-Annulated Indigo (BAI) Acceptor as Stable Electrochromic Materials. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 2797-2805.	6.7	64
18	Self-Selective Catalyst Synthesis for CO ₂ Reduction. <i>Joule</i> , 2019, 3, 1927-1936.	24.0	63

#	ARTICLE	IF	CITATIONS
19	Improving Lithium Metal Composite Anodes with Seeding and Pillaring Effects of Silicon Nanoparticles. <i>ACS Nano</i> , 2020, 14, 4601-4608.	14.6	61
20	Polymer monoliths with chelating functionalities for solid phase extraction of metal ions from water. <i>Journal of Chromatography A</i> , 2014, 1343, 128-134.	3.7	39
21	Rational tuning of high-energy visible light absorption for panchromatic small molecules by a two-dimensional conjugation approach. <i>Chemical Science</i> , 2016, 7, 3857-3861.	7.4	25
22	Lithiophilic anchor points enabling endogenous symbiotic Li ₃ N interface for homogeneous and stable lithium electrodeposition. <i>Nano Energy</i> , 2022, 93, 106836.	16.0	25
23	Preparation of Highly Porous Coordination Polymer Coatings on Macroporous Polymer Monoliths for Enhanced Enrichment of Phosphopeptides. <i>Journal of Visualized Experiments</i> , 2015, , e52926.	0.3	2
24	Cryo-EM Structures of Atomic Surfaces and Host-Guest Chemistry in Metal-Organic Frameworks. <i>Matter</i> , 2020, 2, 1064.	10.0	2
25	A lithiophilic hyperbranched polymer-decorated three-dimensional carbon skeleton boosting highly reversible lithium metal anode. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 647, 129104.	4.7	1