Huifeng Li

List of Publications by Year in descending order

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53 papers	2,754 citations	236925 25 h-index	182427 51 g-index
54 all docs	54 docs citations	54 times ranked	3192 citing authors

#	Article	IF	Citations
1	Hierarchical Nanoassembly of MoS₂/Co₉S₈/Ni₃S₂/Ni as a Highly Efficient Electrocatalyst for Overall Water Splitting in a Wide pH Range. Journal of the American Chemical Society, 2019, 141, 10417-10430.	13.7	653
2	Rapid Simultaneous Removal of Toxic Anions [HSeO₃]^{â^'}, [SeO₃]^{2â€“}, and [SeO₄]^{2â€“}, and Metals Hg²⁺, Cu²⁺, and Cd²⁺ by MoS₄^{2â€“} Intercalated Layered Double Hydroxide. Journal of the American Chemical Society, 2017, 139, 12745-12757.	13.7	164
3	Selective and Efficient Removal of Toxic Oxoanions of As(III), As(V), and Cr(VI) by Layered Double Hydroxide Intercalated with MoS₄^{2â€“}. Chemistry of Materials, 2017, 29, 3274-3284.	6.7	137
4	In Situ Preparation of Cobalt Nanoparticles Decorated in N-Doped Carbon Nanofibers as Excellent Electromagnetic Wave Absorbers. ACS Applied Materials & Interfaces, 2018, 10, 22591-22601.	8.0	124
5	Regulating the Spin State of Fe^{III} Enhances the Magnetic Effect of the Molecular Catalysis Mechanism. Journal of the American Chemical Society, 2022, 144, 8204-8213.	13.7	111
6	Ultrathin Two-Dimensional Metalâ€“Organic Framework Nanosheets with the Inherent Open Active Sites as Electrocatalysts in Aprotic Liâ€“O₂ Batteries. ACS Applied Materials & Interfaces, 2019, 11, 11403-11413.	8.0	108
7	Remarkable Acid Stability of Polypyrroleâ€MoS₄: A Highly Selective and Efficient Scavenger of Heavy Metals Over a Wide pH Range. Advanced Functional Materials, 2018, 28, 1800502.	14.9	88
8	In Situ Construction of a Mn²⁺-Doped Ni₃S₂ Electrode with Highly Enhanced Urea Oxidation Reaction Performance. ACS Sustainable Chemistry and Engineering, 2020, 8, 8348-8355.	6.7	72
9	Morphology-Controlled Synthesis of Ni-MOFs with Highly Enhanced Electrocatalytic Performance for Urea Oxidation. Inorganic Chemistry, 2019, 58, 11449-11457.	4.0	69
10	Selective Lithiationâ€“Expansionâ€“Microexplosion Synthesis of Two-Dimensional Fluoride-Free Mxene. , 2019, 1, 628-632.		64
11	(NiFe)S2 nanoparticles grown on graphene as an efficient electrocatalyst for oxygen evolution reaction. Electrochimica Acta, 2018, 286, 195-204.	5.2	59
12	Li+-clipping for edge S-vacancy MoS2 quantum dots as an efficient bifunctional electrocatalyst enabling discharge growth of amorphous Li2O2 film. Nano Energy, 2019, 65, 103996.	16.0	56
13	Polypyrroleâ€“Mo₃S₁₃: An Efficient Sorbent for the Capture of Hg²⁺ and Highly Selective Extraction of Ag⁺ over Cu²⁺. Journal of the American Chemical Society, 2020, 142, 1574-1583.	13.7	55
14	â€œLewis Base-Hungryâ€•Amorphousâ€“Crystalline Nickel Borateâ€“Nickel Sulfide Heterostructures by In Situ Structural Engineering as Effective Bifunctional Electrocatalysts toward Overall Water Splitting. ACS Applied Materials & Interfaces, 2020, 12, 23896-23903.	8.0	53
15	Significant enhancement of the performance of hydrogen evolution reaction through shape-controlled synthesis of hierarchical dendrite-like platinum. Journal of Materials Chemistry A, 2018, 6, 8068-8077.	10.3	46
16	3D Porous Amorphous Î³-CrOOH on Ni Foam as Bifunctional Electrocatalyst for Overall Water Splitting. Inorganic Chemistry, 2019, 58, 4014-4018.	4.0	44
17	Rational design of 3D hierarchical MXene@AlF3/Ni(OH)2 nanohybrid for high-performance lithium-sulfur batteries. Chemical Engineering Journal, 2021, 409, 128102.	12.7	43
18	Amorphous Boron Oxide Coated NiCo Layered Double Hydroxide Nanoarrays for Highly Efficient Oxygen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2018, 6, 14257-14263.	6.7	40

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19	Controllable synthesis of ultrathin Co9S8 nanosheets as a highly efficient electrocatalyst for overall water splitting. Electrochimica Acta, 2018, 281, 198-207.	5.2	39
20	Engineering borate modified NiFe layer double hydroxide nanoarrays as â€œhydroxyl ions hungryâ€• electrocatalysts for enhanced oxygen evolution. Chemical Communications, 2019, 55, 1334-1337.	4.1	39
21	Porous Co3O4 nanorods anchored on graphene nanosheets as an effective electrocatalysts for aprotic Li-O2 batteries. Applied Surface Science, 2018, 444, 312-319.	6.1	36
22	Theoretical Design and Structural Modulation of a Surface-Functionalized Ti₃C₂T_x MXene-Based Heterojunction Electrocatalyst for a Liâ€“Oxygen Battery. ACS Nano, 2022, 16, 4487-4499.	14.6	36
23	Needle grass-like cobalt hydrogen phosphate on Ni foam as an effective and stable electrocatalyst for the oxygen evolution reaction. Chemical Communications, 2019, 55, 9729-9732.	4.1	33
24	In situ decoration of nanosized metal oxide on highly conductive MXene nanosheets as efficient catalyst for Li-O2 battery. Journal of Energy Chemistry, 2020, 47, 272-280.	12.9	31
25	Nickel oxide nanoparticles decorated highly conductive Ti3C2 MXene as cathode catalyst for rechargeable Liâ€“O2 battery. Journal of Alloys and Compounds, 2020, 824, 153803.	5.5	30
26	Uniform Fe_xNi_y Nanospheres: Cost-Effective Electrocatalysts for Nonaqueous Rechargeable Liâ€“O₂ Batteries. ACS Omega, 2017, 2, 4269-4277.	3.5	29
27	Mottâ€“Schottky heterostructure induce the interfacial electron redistribution of MoS2 for boosting pH-universal hydrogen evolution with Pt-like activity. Nano Energy, 2022, 101, 107563.	16.0	28
28	Synthesis, characterization and electromagnetic performance of nanocomposites of graphene with Î±-LiFeO₂and Î²-LiFe₅O₈. Journal of Materials Chemistry C, 2015, 3, 5457-5466.	5.5	27
29	Perovskite La_{0.5}Sr_{0.5}CoO_{3â^Î´} Grown on Ti₃C₂T_x MXene Nanosheets as Bifunctional Efficient Hybrid Catalysts for Liâ€“Oxygen Batteries. ACS Applied Energy Materials, 2019, 2, 4144-4150.	5.1	26
30	Manganese Carbodiimide Nanoparticles Modified with N-Doping Carbon: A Bifunctional Cathode Electrocatalyst for Aprotic Liâ€“O₂ Battery. ACS Sustainable Chemistry and Engineering, 2019, 7, 17464-17473.	6.7	25
31	Nanostructured Ni/Ti3C2T MXene hybrid as cathode for lithium-oxygen battery. Chinese Chemical Letters, 2020, 31, 1000-1003.	9.0	25
32	Engineering Lithium Ions Embedded in NiFe Layered Double Hydroxide Lattices To Activate Laminated Ni²⁺ Sites as Highâ€Efficiency Oxygen Evolution Reaction Catalysts. Chemistry - A European Journal, 2020, 26, 7244-7249.	3.3	25
33	Î±-MoC_{1â€“x} Quantum Dots Encapsulated in Nitrogen-Doped Carbon for Hydrogen Evolution Reaction at All pH Values. ACS Sustainable Chemistry and Engineering, 2019, 7, 9637-9645.	6.7	24
34	3D Cross-Linked Structure of Manganese Nickel Phosphide Ultrathin Nanosheets: Electronic Structure Optimization for Efficient Bifunctional Electrocatalysts. ACS Applied Energy Materials, 2021, 4, 8563-8571.	5.1	24
35	In-situ growth of ultrathin cobalt monoxide nanocrystals on reduced graphene oxide substrates: an efficient electrocatalyst for aprotic Liâ€“O₂ batteries. Nanotechnology, 2017, 28, 185401.	2.6	23
36	The in situ growth of ultrathin Fcc-NiPt nanocrystals on graphene for methanol and formic acid oxidation. Dalton Transactions, 2018, 47, 15131-15140.	3.3	21

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37	Three-dimensional reticular material NiO/Ni-graphene foam as cathode catalyst for high capacity lithium-oxygen battery. Journal of Electroanalytical Chemistry, 2018, 823, 73-79.	3.8	20
38	Hierarchical nMOF-867/MXene Nanocomposite for Chemical Adsorption of Polysulfides in Lithiumâ€“Sulfur Batteries. ACS Applied Energy Materials, 2021, 4, 8231-8241.	5.1	20
39	An in situ constructed topological rich vacancy-defect nitrogen-doped nanocarbon as a highly-effective metal-free oxygen catalyst for Liâ€“O₂ batteries. Journal of Materials Chemistry A, 2019, 7, 21918-21926.	10.3	18
40	Ultrathin hexagonal boron nitride as a van der Waalsâ€™ force initiator activated graphene for engineering efficient non-metal electrocatalysts of Li-CO2 battery. Nano Research, 2022, 15, 1171-1177.	10.4	18
41	In situ localization of BiVO4 onto two-dimensional MXene promoting photoelectrochemical nitrogen reduction to ammonia. Chinese Chemical Letters, 2022, 33, 4669-4674.	9.0	18
42	Selfâ€Catalyzed Rechargeable Lithiumâ€Air Battery by inâ€‰situ Metal Ion Doping of Discharge Products: A Combined Theoretical and Experimental Study. Energy and Environmental Materials, 2023, 6, .	12.8	16
43	Enhanced luminescence of delaminated layered europium hydroxide (LEuH) composites with sensitizer anions of coumarin-3-carboxylic acid. Dalton Transactions, 2017, 46, 12724-12731.	3.3	15
44	Tuning Surface Lattice Strain toward a Ptâ€“Skin CoPt_x Truncated Octahedron for Hydrogen Evolution Reaction. Journal of Physical Chemistry C, 2019, 123, 29722-29728.	3.1	15
45	Ultralong cycle life enabled by in situ growth of CoMo1â^'P/Mo heterostructure for lithium-sulfur batteries. Journal of Energy Chemistry, 2022, 73, 5-12.	12.9	15
46	A unique delaminated MoS₄/OS-LEuH composite exhibiting turn-on luminescence sensing for detection of water in formamide. Dalton Transactions, 2017, 46, 3110-3114.	3.3	14
47	Two-dimensional Î²-cobalt hydroxide phase transition exfoliated to atom layers as efficient catalyst for lithium-oxygen batteries. Electrochimica Acta, 2018, 281, 420-428.	5.2	14
48	Tuning the oxygen vacancy of mixed multiple oxidation states nanowires for improving Li-air battery performance. Journal of Colloid and Interface Science, 2022, 608, 1384-1392.	9.4	14
49	Mixed spinel and perovskite phased LaSrNiO nanoparticles as cathode catalyst for non-aqueous lithium-oxygen batteries. Electrochimica Acta, 2019, 317, 367-374.	5.2	12
50	Atomically dispersed metal sites anchored in N-doped carbon nanosheets with enhanced Li storage performance. Materials Chemistry Frontiers, 2020, 4, 2157-2167.	5.9	12
51	Highly Active Atomically Dispersed Coâ€“N_x Sites Anchored on Ultrathin N-Doped Carbon Nanosheets with Durability Oxygen Reduction Reaction of Zincâ€“Air Batteries. ACS Sustainable Chemistry and Engineering, 2021, 9, 16956-16964.	6.7	11
52	Hierarchical Li1.2Mn0.54Ni0.13Co0.13O2 hollow spherical as cathode material for Li-ion battery. Journal of Nanoparticle Research, 2017, 19, 1.	1.9	9
53	In situ decoration of CoP/Ti3C2T composite as efficient electrocatalyst for Li-oxygen battery. Chinese Chemical Letters, 2023, 34, 107152.	9.0	5