Huifeng Li

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2517917/publications.pdf

Version: 2024-02-01

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	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
2	In situ decoration of CoP/Ti3C2T composite as efficient electrocatalyst for Li-oxygen battery. Chinese Chemical Letters, 2023, 34, 107152.	9.0	5
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	Nanostructured Ni/Ti3C2T MXene hybrid as cathode for lithium-oxygen battery. Chinese Chemical Letters, 2020, 31, 1000-1003.	9.0	25
15	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
16	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
17	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
18	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

#	Article	IF	Citations
19	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
20	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
21	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
22	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
23	Morphology-Controlled Synthesis of Ni-MOFs with Highly Enhanced Electrocatalytic Performance for Urea Oxidation. Inorganic Chemistry, 2019, 58, 11449-11457.	4.0	69
24	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
25	Selective Lithiationâ€“Expansionâ€“Microexplosion Synthesis of Two-Dimensional Fluoride-Free Mxene. , 2019, 1, 628-632.		64
26	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
27	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
28	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
29	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
30	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
31	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
32	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
33	3D Porous Amorphous Î³-CrOOH on Ni Foam as Bifunctional Electrocatalyst for Overall Water Splitting. Inorganic Chemistry, 2019, 58, 4014-4018.	4.0	44
34	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
35	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
36	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

#	Article	IF	Citations
37	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
38	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
39	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
40	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
41	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
42	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
43	(NiFe)S2 nanoparticles grown on graphene as an efficient electrocatalyst for oxygen evolution reaction. Electrochimica Acta, 2018, 286, 195-204.	5.2	59
44	Controllable synthesis of ultrathin Co9S8 nanosheets as a highly efficient electrocatalyst for overall water splitting. Electrochimica Acta, 2018, 281, 198-207.	5.2	39
45	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
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	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
48	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
49	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
50	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
51	Uniform Fe_xNi_y Nanospheres: Cost-Effective Electrocatalysts for Nonaqueous Rechargeable Liâ€“O₂ Batteries. ACS Omega, 2017, 2, 4269-4277.	3.5	29
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	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