

Ying Xie

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88

papers

5,956

citations

33

h-index

77

g-index

97

ext. papers

7,627

ext. citations

8.9

avg, IF

6.33

L-index

#	Paper	IF	Citations
88	Integration of heterointerface and porosity engineering to achieve efficient hydrogen evolution of 2D porous NiMoN nanobelts coupled with Ni particles. <i>Electrochimica Acta</i> , 2022 , 403, 139702	6.7	2
87	Polydopamine/defective ultrathin mesoporous graphitic carbon nitride nanosheets as Z-scheme organic assembly for robust photothermal-photocatalytic performance.. <i>Journal of Colloid and Interface Science</i> , 2022 , 613, 775-785	9.3	2
86	The Fe ₃ C _N Site Assists the Fe _N Site to Promote Activity of the Fe _N C Electro catalyst for Oxygen Reduction Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2022 , 10, 3346-3354	8.3	2
85	Atomically Dispersed Fe-N C Sites Induce Asymmetric Electron Structures to Afford Superior Oxygen Reduction Activity.. <i>Small</i> , 2022 , e2201255	11	2
84	High-performance Li-ion battery driven by a hybrid Li storage mechanism in a three-dimensional architected ZnTiO-CeO microsphere anode. <i>Dalton Transactions</i> , 2021 ,	4.3	2
83	Facile in-situ fabrication of nanocoral-like bimetallic Co-Mo carbide/nitrogen-doped carbon: a highly active and stable electrocatalyst for hydrogen evolution. <i>Journal of Materials Science</i> , 2021 , 56, 11894-11906	4.3	0
82	Operando Cooperated Catalytic Mechanism of Atomically Dispersed Cu _N 4 and Zn _N 4 for Promoting Oxygen Reduction Reaction. <i>Angewandte Chemie</i> , 2021 , 133, 14124-14131	3.6	9
81	Operando Cooperated Catalytic Mechanism of Atomically Dispersed Cu-N and Zn-N for Promoting Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 14005-14012	16.4	103
80	Modulating the bonding properties of Li ₂ MoO ₃ via non-equivalent cationic doping to enhance its stability and electrochemical performance for lithium-ion battery application. <i>Ceramics International</i> , 2021 , 47, 18304-18313	5.1	0
79	Ultrathin Porous Carbon Nitride Bundles with an Adjustable Energy Band Structure toward Simultaneous Solar Photocatalytic Water Splitting and Selective Phenylcarbinol Oxidation. <i>Angewandte Chemie</i> , 2021 , 133, 4865-4872	3.6	6
78	Two-Dimensional Porous Molybdenum Phosphide/Nitride Heterojunction Nanosheets for pH-Universal Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 6673-6681	16.4	65
77	Ultrathin Porous Carbon Nitride Bundles with an Adjustable Energy Band Structure toward Simultaneous Solar Photocatalytic Water Splitting and Selective Phenylcarbinol Oxidation. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 4815-4822	16.4	82
76	2D porous molybdenum nitride/cobalt nitride heterojunction nanosheets with interfacial electron redistribution for effective electrocatalytic overall water splitting. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 8620-8629	13	27
75	Two-Dimensional Porous Molybdenum Phosphide/Nitride Heterojunction Nanosheets for pH-Universal Hydrogen Evolution Reaction. <i>Angewandte Chemie</i> , 2021 , 133, 6747-6755	3.6	9
74	Innenrücktitelbild: Ultrathin Porous Carbon Nitride Bundles with an Adjustable Energy Band Structure toward Simultaneous Solar Photocatalytic Water Splitting and Selective Phenylcarbinol Oxidation (Angew. Chem. 9/2021). <i>Angewandte Chemie</i> , 2021 , 133, 5003-5003	3.6	0
73	Li ₂ ZnTi ₃ O ₈ @Fe ₂ O ₃ composite anode material for Li-ion batteries. <i>Ceramics International</i> , 2021 , 47, 18732-18742	5.1	3
72	Surface defects induced charge imbalance for boosting charge separation and solar-driven photocatalytic hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2021 , 596, 12-21	9.3	8

71	Imparting Borophene with High Work Function by Fluorine Adsorption: A First-Principles Investigation. <i>Langmuir</i> , 2021 , 37, 11027-11040	4	0
70	MOF-derived hollow SiO nanoparticles wrapped in 3D porous nitrogen-doped graphene aerogel and their superior performance as the anode for lithium-ion batteries. <i>Nanoscale</i> , 2020 , 12, 13017-13027	7.7	17
69	Effect of cation doping on the electrochemical properties of Li ₂ MoO ₃ as a promising cathode material for lithium-ion battery. <i>Ionics</i> , 2020 , 26, 4413-4422	2.7	4
68	Li ₂ MoO ₃ microspheres with excellent electrochemical performances as cathode material for lithium-ion battery. <i>Ionics</i> , 2020 , 26, 4401-4411	2.7	3
67	Highly Effective Work Function Reduction of Borophene via Caesium Decoration: A First-Principles Investigation. <i>Advanced Theory and Simulations</i> , 2020 , 3, 1900249	3.5	3
66	Monodispersed Nickel Phosphide Nanocrystals in Situ Grown on Reduced Graphene Oxide with Controllable Size and Composition as a Counter Electrode for Dye-Sensitized Solar Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 5920-5926	8.3	16
65	Interfacial Engineering of MoO ₃ -FeP Heterojunction for Highly Efficient Hydrogen Evolution Coupled with Biomass Electrooxidation. <i>Advanced Materials</i> , 2020 , 32, e2000455	24	177
64	Cobalt nanoparticles decorated on nitrogen-doped graphene as excellent electromagnetic wave absorbent in Ku-band. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 12044-12055	2.1	2
63	Heterophase engineering of SnO ₂ /Sn ₃ O ₄ drives enhanced carbon dioxide electrocatalytic reduction to formic acid. <i>Science China Materials</i> , 2020 , 63, 2314-2324	7.1	16
62	A competitive occupancy strategy toward Co ^{II} single-atom catalysts embedded in 2D TiN/rGO sheets for highly efficient and stable aromatic nitroreduction. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 4807-4815	13	9
61	Porous spherical NiO@NiMoO ₄ @PPy nanoarchitectures as advanced electrochemical pseudocapacitor materials. <i>Science Bulletin</i> , 2020 , 65, 546-556	10.6	123
60	Effect of Li Adsorption on Work Function Modulation of Bilayer Borophene: A Theoretical Study. <i>Acta Chimica Sinica</i> , 2020 , 78, 344	3.3	2
59	SrLi ₂ Ti ₆ O ₁₄ @AlF ₃ composite as high performance anode materials for lithium ion battery application. <i>Electrochimica Acta</i> , 2020 , 329, 135139	6.7	6
58	Three-dimensional assemblies of carbon nitride tubes as nanoreactors for enhanced photocatalytic hydrogen production. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 305-312	13	60
57	Boron-Induced Electronic-Structure Reformation of CoP Nanoparticles Drives Enhanced pH-Universal Hydrogen Evolution. <i>Angewandte Chemie</i> , 2020 , 132, 4183-4189	3.6	16
56	Boron-Induced Electronic-Structure Reformation of CoP Nanoparticles Drives Enhanced pH-Universal Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 4154-4160	16.4	110
55	Functional cation defects engineering in TiS ₂ for high-stability anode. <i>Nano Energy</i> , 2020 , 67, 104295	17.1	55
54	Holey graphene modified LiFePO ₄ hollow microsphere as an efficient binary sulfur host for high-performance lithium-sulfur batteries. <i>Energy Storage Materials</i> , 2020 , 26, 433-442	19.4	36

53	Surface domain heterojunction on rutile TiO for highly efficient photocatalytic hydrogen evolution. <i>Nanoscale Horizons</i> , 2020 , 5, 1596-1602	10.8	9
52	Effect of F Dopant on the Structural Stability, Redox Mechanism, and Electrochemical Performance of Li ₂ MoO ₃ Cathode Materials. <i>Advanced Sustainable Systems</i> , 2020 , 4, 2000104	5.9	3
51	N-Doped carbon coating enhances the bifunctional oxygen reaction activity of CoFe nanoparticles for a highly stable Zn air battery. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 21189-21198	13	27
50	Improving the stability, lithium diffusion dynamics, and specific capacity of SrLi ₂ Ti ₆ O ₁₄ via ZrO ₂ coating. <i>Green Energy and Environment</i> , 2020 , 7, 53-53	5.7	1
49	Uncovering the underlying science behind dimensionality in the potassium battery regime. <i>Energy Storage Materials</i> , 2020 , 25, 416-425	19.4	19
48	Improving the structural stability and electrochemical performance of NaLiTiO nanoparticles MgF coating.. <i>RSC Advances</i> , 2019 , 9, 15763-15771	3.7	7
47	Insight into the improved cycling stability of sphere-nanorod-like micro-nanostructured high voltage spinel cathode for lithium-ion batteries. <i>Nano Energy</i> , 2019 , 66, 104100	17.1	26
46	Ultrasmall FeNi ₃ N particles with an exposed active (110) surface anchored on nitrogen-doped graphene for multifunctional electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 1083-1091	13	65
45	In situ growth of Co ₉ S ₈ nanocrystals on reduced graphene oxide for the enhanced catalytic performance of dye-sensitized solar cell. <i>Journal of Alloys and Compounds</i> , 2019 , 803, 216-223	5.7	11
44	Porous Palladium Nanomeshes with Enhanced Electrochemical CO -into-Syngas Conversion over a Wider Applied Potential. <i>ChemSusChem</i> , 2019 , 12, 3304-3311	8.3	8
43	Highly Water-Stable Dye@Ln-MOFs for Sensitive and Selective Detection toward Antibiotics in Water. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 21201-21210	9.5	97
42	Co Nanoislands Rooted on Co-N-C Nanosheets as Efficient Oxygen Electrocatalyst for Zn-Air Batteries. <i>Advanced Materials</i> , 2019 , 31, e1901666	24	232
41	Surface modification of Li _{1.2} Mn _{0.54} Ni _{0.13} Co _{0.13} O ₂ via an ionic conductive LiV ₃ O ₈ as a cathode material for Li-ion batteries. <i>Ionics</i> , 2019 , 25, 4567-4576	2.7	10
40	MoS ₂ -Coated Ni ₃ S ₂ Nanorods with Exposed {110} High-Index Facets As Excellent CO-Tolerant Cocatalysts for Pt: Ultradurable Catalytic Activity for Methanol Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 11101-11109	8.3	15
39	Anion-Modulated HER and OER Activities of 3D Ni-V-Based Interstitial Compound Heterojunctions for High-Efficiency and Stable Overall Water Splitting. <i>Advanced Materials</i> , 2019 , 31, e1901174	24	282
38	Hollow and hierarchical Li _{1.2} Mn _{0.54} Ni _{0.13} Co _{0.13} O ₂ micro-cubes as promising cathode materials for lithium ion battery. <i>Journal of Alloys and Compounds</i> , 2019 , 807, 151686	5.7	15
37	Effective Electrocatalytic Hydrogen Evolution in Neutral Medium Based on 2D MoP/MoS Heterostructure Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 25986-25995	9.5	56
36	Molecule Self-Assembly Synthesis of Porous Few-Layer Carbon Nitride for Highly Efficient Photoredox Catalysis. <i>Journal of the American Chemical Society</i> , 2019 , 141, 2508-2515	16.4	397

35	Core-Shell NiO@Ni-P Hybrid Nanosheet Array for Synergistically Enhanced Oxygen Evolution Electrocatalysis: Experimental and Theoretical Insights. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 944-949	4.5	9
34	Mg-doped Li _{1.2} Mn _{0.54} Ni _{0.13} Co _{0.13} O ₂ nano flakes with improved electrochemical performance for lithium-ion battery application. <i>Journal of Alloys and Compounds</i> , 2018 , 739, 607-615	5.7	23
33	Enhanced field-emission properties of buckled Borophene by means of Li decoration: a first-principles investigation. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 15139-15148	3.6	5
32	Recent advances in the research of MLi ₂ Ti ₆ O ₁₄ (M = 2Na, Sr, Ba, Pb) anode materials for Li-ion batteries. <i>Journal of Power Sources</i> , 2018 , 399, 26-41	8.9	112
31	High-Efficient, Stable Electrocatalytic Hydrogen Evolution in Acid Media by Amorphous Fe P Coating Fe N Supported on Reduced Graphene Oxide. <i>Small</i> , 2018 , 14, e1801717	11	57
30	Integrating the active OER and HER components as the heterostructures for the efficient overall water splitting. <i>Nano Energy</i> , 2018 , 44, 353-363	17.1	344
29	Morphology control and its effect on the electrochemical performance of Na ₂ Li ₂ Ti ₆ O ₁₄ anode materials for lithium ion battery application. <i>Electrochimica Acta</i> , 2018 , 259, 855-864	6.7	17
28	Holey Reduced Graphene Oxide Coupled with an Mo N-Mo C Heterojunction for Efficient Hydrogen Evolution. <i>Advanced Materials</i> , 2018 , 30, 1704156	24	322
27	Exploring the synergy of 2D MXene-supported black phosphorus quantum dots in hydrogen and oxygen evolution reactions. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 21255-21260	13	100
26	LiS Batteries: Ultrathin MXene Nanosheets Decorated with TiO ₂ Quantum Dots as an Efficient Sulfur Host toward Fast and Stable LiS Batteries (Small 41/2018). <i>Small</i> , 2018 , 14, 1870190	11	3
25	Deep insights into kinetics and structural evolution of nitrogen-doped carbon coated TiNb ₂ O ₆ nanowires as high-performance lithium container. <i>Nano Energy</i> , 2018 , 54, 227-237	17.1	71
24	Ultrathin MXene Nanosheets Decorated with TiO Quantum Dots as an Efficient Sulfur Host toward Fast and Stable Li-S Batteries. <i>Small</i> , 2018 , 14, e1802443	11	89
23	Li _{1.2} Mn _{0.54} Ni _{0.13} Co _{0.13} O ₂ hollow hierarchical microspheres with enhanced electrochemical performances as cathode material for lithium-ion battery application. <i>Electrochimica Acta</i> , 2017 , 237, 217-226	6.7	32
22	Co-vacancy-rich Co _{1-x} S nanosheets anchored on rGO for high-efficiency oxygen evolution. <i>Nano Research</i> , 2017 , 10, 1819-1831	10	57
21	Structures, stabilities and work functions of alkali-metal-adsorbed boron sheets. <i>Chemical Research in Chinese Universities</i> , 2017 , 33, 631-637	2.2	6
20	Hollow and hierarchical Na ₂ Li ₂ Ti ₆ O ₁₄ microspheres with high electrochemical performance as anode material for lithium-ion battery. <i>Science China Materials</i> , 2017 , 60, 427-437	7.1	28
19	Novel band type boron sheets: Theoretical insight into their structures, thermodynamic stability, and work functions. <i>Chemical Physics Letters</i> , 2016 , 648, 81-86	2.5	9
18	High-performance xLi ₂ MnO ₃ [(1-x)LiMn _{1/3} Co _{1/3} Ni _{1/3} O ₂ (0.1 ≤ x ≤ 0.5) as Cathode Material for Lithium-ion Battery. <i>Electrochimica Acta</i> , 2016 , 188, 686-695	6.7	33

17	Hexagonal FeS nanosheets with high-energy (001) facets: Counter electrode materials superior to platinum for dye-sensitized solar cells. <i>Nano Research</i> , 2016 , 9, 2862-2874	10	34
16	Large-scale synthesis of stable mesoporous black TiO ₂ nanosheets for efficient solar-driven photocatalytic hydrogen evolution via an earth-abundant low-cost biotemplate. <i>RSC Advances</i> , 2016 , 6, 50506-50512	3.7	22
15	ZnO-dotted porous ZnS cluster microspheres for high efficient, Pt-free photocatalytic hydrogen evolution. <i>Scientific Reports</i> , 2015 , 5, 8858	4.9	29
14	Structure and electrochemical properties of Sc ³⁺ -doped Li ₄ Ti ₅ O ₁₂ as anode materials for lithium-ion battery. <i>Ceramics International</i> , 2015 , 41, 7073-7079	5.1	28
13	Fabrication of mixed-crystalline-phase spindle-like TiO ₂ for enhanced photocatalytic hydrogen production. <i>Science China Materials</i> , 2015 , 58, 363-369	7.1	23
12	Recent advances of Li ₄ Ti ₅ O ₁₂ as a promising next generation anode material for high power lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 5750-5777	13	383
11	Engineering the work function of buckled boron sheet by lithium adsorption: a first-principles investigation. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 19690-701	9.5	20
10	Fabrication of noncovalently functionalized brick-like β -cyclodextrins/graphene composite dispersions with favorable stability. <i>RSC Advances</i> , 2014 , 4, 2813-2819	3.7	12
9	Composites of small Ag clusters confined in the channels of well-ordered mesoporous anatase TiO ₂ and their excellent solar-light-driven photocatalytic performance. <i>Nano Research</i> , 2014 , 7, 731-742	10	88
8	Ordered mesoporous black TiO ₂ as highly efficient hydrogen evolution photocatalyst. <i>Journal of the American Chemical Society</i> , 2014 , 136, 9280-3	16.4	736
7	Nitrogen-doped graphene supported Pd@PdO core-shell clusters for C-C coupling reactions. <i>Nano Research</i> , 2014 , 7, 1280-1290	10	59
6	First-principles study on negative thermal expansion of PbTiO ₃ . <i>Applied Physics Letters</i> , 2013 , 103, 221903	14	15
5	Structural and thermodynamic stability of Li ₄ Ti ₅ O ₁₂ anode material for lithium-ion battery. <i>Journal of Power Sources</i> , 2013 , 222, 448-454	8.9	166
4	Nitrogen-doped graphene with high nitrogen level via a one-step hydrothermal reaction of graphene oxide with urea for superior capacitive energy storage. <i>RSC Advances</i> , 2012 , 2, 4498	3.7	604
3	Structure and Electrochemical Performance of Niobium-Substituted Spinel Lithium Titanium Oxide Synthesized by Solid-State Method. <i>Journal of the Electrochemical Society</i> , 2011 , 158, A266	3.9	81
2	Assembly of β -Cyclodextrins Acting as Molecular Bricks onto Multiwall Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 951-957	3.8	65
1	Monodisperse MnO nanoparticles in situ grown on reduced graphene oxide via hydrophobic interaction for excellent electromagnetic wave absorption. <i>Journal of Materials Research</i> , 2008 , 22, 1000-1006	2.5	0