

# Ying Xie

## List of Publications by Citations

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78  
papers

1,887  
citations

25  
h-index

41  
g-index

84  
ext. papers

2,406  
ext. citations

7.3  
avg, IF

5.39  
L-index

#	Paper	IF	Citations
78	Recent advances of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> as a promising next generation anode material for high power lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 5750-5777	13	383
77	Advanced electrochemical properties of Mo-doped Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> anode material for power lithium ion battery. <i>RSC Advances</i> , <b>2012</b> , 2, 3541	3.7	112
76	Recent developments in the doping of LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> cathode material for 5 V lithium-ion batteries. <i>Ionics</i> , <b>2011</b> , 17, 383-389	2.7	88
75	Improved Cycling Stability and Fast Charge-Discharge Performance of Cobalt-Free Lithium-Rich Oxides by Magnesium-Doping. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 32349-32359	9.5	69
74	Ultrasmall FeNi <sub>3</sub> N particles with an exposed active (110) surface anchored on nitrogen-doped graphene for multifunctional electrocatalysts. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 1083-1091	13	65
73	Highly crystalline, small sized, monodisperse NiS nanocrystal ink as an efficient counter electrode for dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 15905-15912	13	59
72	A novel directional and non-local-convergent particle swarm optimization based workflow scheduling in cloudEdge environment. <i>Future Generation Computer Systems</i> , <b>2019</b> , 97, 361-378	7.5	50
71	Understanding the thermal and mechanical stabilities of olivine-type LiMPO <sub>4</sub> (M = Fe, Mn) as cathode materials for rechargeable lithium batteries from first principles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 4033-42	9.5	50
70	A 3D conductive scaffold with lithiophilic modification for stable lithium metal batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 17967-17976	13	45
69	High-Rate Long-Life Pored Nanoribbon VNbO Built by Interconnected Ultrafine Nanoparticles as Anode for Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 30608-30616	9.5	43
68	CoSe <sub>2</sub> /N-Doped Carbon Hybrid Derived from ZIF-67 as High-Efficiency Counter Electrode for Dye-Sensitized Solar Cells. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 2784-2791	8.3	43
67	Flower-Like Nickel Phosphide Microballs Assembled by Nanoplates with Exposed High-Energy (0 0 1) Facets: Efficient Electrocatalyst for the Hydrogen Evolution Reaction. <i>ChemSusChem</i> , <b>2017</b> , 10, 4899-4908	8.3	42
66	Insight into the Synergistic Effect of N, S Co-Doping for Carbon Coating Layer on Niobium Oxide Anodes with Ultra-Long Life. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2100311	15.6	39
65	Effects of cross-linking with sodium trimetaphosphate on structural and adsorptive properties of porous wheat starches. <i>Food Chemistry</i> , <b>2019</b> , 289, 187-194	8.5	36
64	Approaching High-Performance Lithium Storage Materials by Constructing Hierarchical CoNiO <sub>2</sub> @CeO <sub>2</sub> Nanosheets. <i>Energy and Environmental Materials</i> , <b>2020</b> ,	13	36
63	Kinetic study on LiFePO <sub>4</sub> -positive electrode material of lithium-ion battery. <i>Ionics</i> , <b>2011</b> , 17, 437-441	2.7	35
62	Improved visible-light activities of nanocrystalline CdS by coupling with ultrafine NbN with lattice matching for hydrogen evolution. <i>Sustainable Energy and Fuels</i> , <b>2018</b> , 2, 549-552	5.8	30

61	Effects of debranching and repeated heat-moisture treatments on structure, physicochemical properties and in vitro digestibility of wheat starch. <i>Food Chemistry</i> , <b>2019</b> , 294, 440-447	8.5	29
60	Hierarchical Heterostructured Mo <sub>2</sub> C/Mo <sub>3</sub> Co <sub>3</sub> C Bouquet-like Nanowire Arrays: An Efficient Electrocatalyst for Hydrogen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 7294-7303	8.3	28
59	Enhanced fast charge/discharge performance of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> as anode materials for lithium-ion batteries by Ce and CeO <sub>2</sub> modification using a facile method. <i>RSC Advances</i> , <b>2015</b> , 5, 37367-37376	3.7	28
58	Hollow and hierarchical Na <sub>2</sub> Li <sub>2</sub> Ti <sub>6</sub> O <sub>14</sub> microspheres with high electrochemical performance as anode material for lithium-ion battery. <i>Science China Materials</i> , <b>2017</b> , 60, 427-437	7.1	28
57	Selenization of CuZnSnS Enhanced the Performance of Dye-Sensitized Solar Cells: Improved Zinc-Site Catalytic Activity for I. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 37662-37670	9.5	26
56	Polymorphism-Controlled Electrochemical Energy Storage Performance of LiNbWO <sub>6</sub> . <i>Chemistry of Materials</i> , <b>2020</b> , 32, 3376-3384	9.6	26
55	Carbon nanotubes in situ embedded with NiS nanocrystals outperform Pt in dye-sensitized solar cells: interface improved activity. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 10405-10411	13	25
54	Unraveling the Origins of the "Unreactive Core" in Conversion Electrodes to Trigger High Sodium-Ion Electrochemistry. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 2007-2012	20.1	25
53	Robust Strategy for Crafting LiCrTiO@CeO Composites as High-Performance Anode Material for Lithium-Ion Battery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 23662-23671	9.5	23
52	Long-term organoid culture reveals enrichment of organoid-forming epithelial cells in the fimbrial portion of mouse fallopian tube. <i>Stem Cell Research</i> , <b>2018</b> , 32, 51-60	1.6	22
51	High-performance community detection in social networks using a deep transitive autoencoder. <i>Information Sciences</i> , <b>2019</b> , 493, 75-90	7.7	19
50	Rapid and durable electrochemical storage behavior enabled by V <sub>4</sub> Nb <sub>18</sub> O <sub>55</sub> beaded nanofibers: a joint theoretical and experimental study. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 17389-17400	13	19
49	Guiding Transition Metal-Doped Hollow Cerium Tandem Nanozymes with Elaborately Regulated Multi-Enzymatic Activities for Intensive Chemodynamic Therapy. <i>Advanced Materials</i> , <b>2021</b> , e2107054	24	19
48	Well dispersed Fe <sub>2</sub> N nanoparticles on surface of nitrogen-doped reduced graphite oxide for highly efficient electrochemical hydrogen evolution. <i>Journal of Materials Research</i> , <b>2017</b> , 32, 1770-1776	2.5	17
47	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> , <b>2020</b> , 12, 13017-13027	7.7	17
46	Sodiophilic Decoration of a Three-Dimensional Conductive Scaffold toward a Stable Na Metal Anode. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 5452-5463	8.3	17
45	Dielectric behavior of single iron atoms dispersed on nitrogen-doped nanocarbon. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 153101	3.4	17
44	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> , <b>2020</b> , 8, 5920-5926	8.3	16

43	Near-optimal dynamic priority scheduling strategy for instance-intensive business workflows in cloud computing. <i>Concurrency Computation Practice and Experience</i> , <b>2017</b> , 29, e4167	1.4	15
42	A sufficient and necessary temporal violation handling point selection strategy in cloud workflow. <i>Future Generation Computer Systems</i> , <b>2018</b> , 86, 464-479	7.5	15
41	Review and prospect of Li <sub>2</sub> ZnTi <sub>3</sub> O <sub>8</sub> -based anode materials for Li-ion battery. <i>Ionics</i> , <b>2019</b> , 25, 373-397	2.7	15
40	Morphology Effect of NiSe Hierarchical Microspheres on the Performance of Dye-Sensitized Solar Cells. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 4900-4909	5.6	15
39	Improved Long Short-Term Memory based anomaly detection with concept drift adaptive method for supporting IoT services. <i>Future Generation Computer Systems</i> , <b>2020</b> , 112, 228-242	7.5	14
38	Synergistic Interaction of Double/Simple Perovskite Heterostructure for Efficient Hydrogen Evolution Reaction at High Current Density.. <i>Small Methods</i> , <b>2021</b> , 5, e2000701	12.8	14
37	Regulation of Morphology and Electronic Structure of FeCoNi Layered Double Hydroxides for Highly Active and Stable Water Oxidization Catalysts. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2102141	21.8	13
36	Thermodynamic stability and transport properties of tavorite LiFeSO <sub>4</sub> F as a cathode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 19728-19737	13	12
35	Surface modification of Li <sub>1.2</sub> Mn <sub>0.54</sub> Ni <sub>0.13</sub> Co <sub>0.13</sub> O <sub>2</sub> via an ionic conductive LiV <sub>3</sub> O <sub>8</sub> as a cathode material for Li-ion batteries. <i>Ionics</i> , <b>2019</b> , 25, 4567-4576	2.7	10
34	Robust transfer integrated locally kernel embedding for click-through rate prediction. <i>Information Sciences</i> , <b>2019</b> , 491, 190-203	7.7	10
33	Removal efficiency and pathways of phosphorus from wastewater in a modified constructed rapid infiltration system. <i>Journal of Cleaner Production</i> , <b>2020</b> , 267, 122063	10.3	10
32	A-Site Cation-Ordering Layered Perovskite EuBaSrCo Fe O as Highly Active and Durable Electrocatalysts for Oxygen Evolution Reaction. <i>ACS Omega</i> , <b>2020</b> , 5, 12501-12515	3.9	9
31	An indexed set representation based multi-objective evolutionary approach for mining diversified top-k high utility patterns. <i>Engineering Applications of Artificial Intelligence</i> , <b>2019</b> , 77, 9-20	7.2	9
30	Hierarchical CoP Nanostructures on Nickel Foam as Efficient Bifunctional Catalysts for Water Splitting. <i>ChemSusChem</i> , <b>2021</b> , 14, 1094-1102	8.3	8
29	Improving the structural stability and electrochemical performance of NaLiTiO nanoparticles MgF coating.. <i>RSC Advances</i> , <b>2019</b> , 9, 15763-15771	3.7	7
28	Nickel cobalt oxide nanowires-modified hollow carbon tubular bundles for high-performance sodium-ion hybrid capacitors. <i>International Journal of Energy Research</i> , <b>2020</b> , 44, 3883-3892	4.5	7
27	Multifunctional (Fe <sub>0.5</sub> Ni <sub>0.5</sub> )S <sub>2</sub> nanocrystal catalysts with high catalytic activities for reduction of I <sub>3</sub> <sup>-</sup> and electrochemical water splitting. <i>Research on Chemical Intermediates</i> , <b>2018</b> , 44, 4307-4322	2.8	6
26	Structures, stabilities and work functions of alkali-metal-adsorbed boron $\alpha$ -sheets. <i>Chemical Research in Chinese Universities</i> , <b>2017</b> , 33, 631-637	2.2	6

25	Multi-view feature transfer for click-through rate prediction. <i>Information Sciences</i> , <b>2021</b> , 546, 961-976	7.7	6
24	Synthesis of chiral chalcone derivatives catalyzed by the chiral cinchona alkaloid squaramide. <i>Molecules</i> , <b>2014</b> , 19, 19491-500	4.8	5
23	Electronic properties of BaTiO <sub>3</sub> (110) polar terminations. <i>Chemical Research in Chinese Universities</i> , <b>2014</b> , 30, 794-799	2.2	5
22	Construction of Porous ZnS@Co <sub>3</sub> S <sub>4</sub> @NiO Nanosheets Hybrid Materials for High-Performance Pseudocapacitor Electrode by Morphology Reshaping. <i>Advanced Sustainable Systems</i> , <b>2020</b> , 4, 2000090	5.9	5
21	Effect of cation doping on the electrochemical properties of Li <sub>2</sub> MoO <sub>3</sub> as a promising cathode material for lithium-ion battery. <i>Ionics</i> , <b>2020</b> , 26, 4413-4422	2.7	4
20	Li <sub>2</sub> MoO <sub>3</sub> microspheres with excellent electrochemical performances as cathode material for lithium-ion battery. <i>Ionics</i> , <b>2020</b> , 26, 4401-4411	2.7	3
19	Synthesis, characterization, theoretical investigation, and properties of monoclinic-phase InWO <sub>4</sub> hollow nanospheres. <i>Nano Research</i> , <b>2018</b> , 11, 4664-4672	10	3
18	Multi-touch cobalt phosphide-tungsten phosphide heterojunctions anchored on reduced graphene oxide boosting wide pH hydrogen evolution. <i>Science China Materials</i> ,	7.1	3
17	Effect of F Dopant on the Structural Stability, Redox Mechanism, and Electrochemical Performance of Li <sub>2</sub> MoO <sub>3</sub> Cathode Materials. <i>Advanced Sustainable Systems</i> , <b>2020</b> , 4, 2000104	5.9	3
16	Evaluation of genetic diversity and development of core collections of industrial brewing yeast using ISSR markers. <i>Archives of Microbiology</i> , <b>2021</b> , 203, 1001-1008	3	3
15	Review on Low-Cost Counter Electrode Materials for Dye-Sensitized Solar Cells: Effective Strategy to Improve Photovoltaic Performance. <i>Advanced Materials Interfaces</i> , <b>2022</b> , 9, 2101229	4.6	3
14	A Novel Data Set Importance Based Cost-Effective and Computation-Efficient Storage Strategy in the Cloud <b>2017</b> ,		2
13	The controllable synthesis of porous MoN nanorods/carbon for highly efficient electrochemical hydrogen evolution. <i>Research on Chemical Intermediates</i> , <b>2017</b> , 43, 5557-5568	2.8	2
12	Understanding the thermal stability and bonding characteristic of Li <sub>x</sub> Ni <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> as cathode materials for lithium-ion battery from first principles. <i>Ionics</i> , <b>2017</b> , 23, 559-565	2.7	2
11	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> , <b>2021</b> ,	4.3	2
10	Rare earth mine wastewater treatment via modified constructed rapid infiltration system: Nitrogen removal performance and microbial community. <i>Chemical Engineering Research and Design</i> , <b>2021</b> , 150, 223-232	5.5	2
9	An optimized data storage strategy by computational performance and monetary cost with data importance in the cloud <b>2017</b> ,		1
8	Logistics scheduling based on cloud business workflows <b>2014</b> ,		1

7	First-principles study on the electronic and bonding properties of PbTiO <sub>3</sub> (110) polar terminations. <i>Chemical Research in Chinese Universities</i> , <b>2015</b> , 31, 825-829	2.2	1
6	Real-time Situation Awareness of Industrial Process based on Deep Learning at the Edge Server <b>2020</b> ,		1
5	Dynamic Security Exchange Scheduling Model for Business Workflow Based on Queuing Theory in Cloud Computing. <i>Security and Communication Networks</i> , <b>2020</b> , 2020, 1-12	1.9	1
4	Unified adaptive deep classification for industrial real-time situation awareness in edge environment. <i>Concurrency Computation Practice and Experience</i> , e6488	1.4	1
3	Key Compounds and Metabolic Pathway Responsible for the Browning in Dangshan Pear ( spp.) Wine. <i>Journal of Agricultural and Food Chemistry</i> , <b>2021</b> , 69, 10311-10320	5.7	0
2	Phosphatizing Engineering of Perovskite Oxide Nanofibers for Hydrogen Evolution Reaction to Achieve Extraordinary Electrocatalytic Performance. <i>Advanced Functional Materials</i> , 2112164	15.6	0
1	Structural Self-Similarity Framework for Virtual Human Whole Posture Generation. <i>Arabian Journal for Science and Engineering</i> , <b>2021</b> , 46, 8617-8628	2.5	