

# Yang Li

## List of Publications by Year in descending order

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48  
papers

2,024  
citations

279701

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243529

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48  
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48  
docs citations

48  
times ranked

2814  
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>N</i> -Butyllithium-Treated Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene with Excellent Pseudocapacitor Performance. ACS Nano, 2019, 13, 9449-9456.	7.3	132
2	Heterostructure engineering of Co-doped MoS <sub>2</sub> coupled with Mo <sub>2</sub> CT <sub>x</sub> MXene for enhanced hydrogen evolution in alkaline media. Nanoscale, 2019, 11, 10992-11000.	2.8	127
3	Polyaniline Derived N-Doped Carbon-Coated Cobalt Phosphide Nanoparticles Deposited on N-Doped Graphene as an Efficient Electrocatalyst for Hydrogen Evolution Reaction. Small, 2018, 14, 1702895.	5.2	122
4	High Yield Exfoliation of WS <sub>2</sub> Crystals into 1-2 Layer Semiconducting Nanosheets and Efficient Photocatalytic Hydrogen Evolution from WS <sub>2</sub> /CdS Nanorod Composites. ACS Applied Materials & Interfaces, 2018, 10, 2810-2818.	4.0	112
5	Roles of Two-Dimensional Transition Metal Dichalcogenides as Cocatalysts in Photocatalytic Hydrogen Evolution and Environmental Remediation. Industrial & Engineering Chemistry Research, 2017, 56, 4611-4626.	1.8	103
6	1T-Phase MoS <sub>2</sub> Nanosheets on TiO <sub>2</sub> Nanorod Arrays: 3D Photoanode with Extraordinary Catalytic Performance. ACS Sustainable Chemistry and Engineering, 2017, 5, 5175-5182.	3.2	98
7	Ultra-small Mo <sub>2</sub> C nanodots encapsulated in nitrogen-doped porous carbon for pH-universal hydrogen evolution: insights into the synergistic enhancement of HER activity by nitrogen doping and structural defects. Journal of Materials Chemistry A, 2019, 7, 4734-4743.	5.2	90
8	Controllable Synthesis of Ruthenium Phosphides (RuP and RuP <sub>2</sub> ) for pH-Universal Hydrogen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2018, 6, 6388-6394.	3.2	83
9	Preferential Growth of the Cobalt (200) Facet in Co@N-C for Enhanced Performance in a Fenton-like Reaction. ACS Catalysis, 2021, 11, 5532-5543.	5.5	82
10	Fine-Tuning Radical/Nonradical Pathways on Graphene by Porous Engineering and Doping Strategies. ACS Catalysis, 2021, 11, 4848-4861.	5.5	82
11	Reversible intercalation and exfoliation of layered covalent triazine frameworks for enhanced lithium ion storage. Chemical Communications, 2019, 55, 1434-1437.	2.2	70
12	A near-infrared light-mediated antimicrobial based on Ag/Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> for effective synergetic antibacterial applications. Nanoscale, 2020, 12, 19129-19141.	2.8	69
13	Fe containing template derived atomic Fe-N-C to boost Fenton-like reaction and charge migration analysis on highly active Fe-N <sub>4</sub> sites. Journal of Materials Chemistry A, 2021, 9, 14793-14805.	5.2	66
14	Few-Layered Trigonal WS <sub>2</sub> Nanosheet-Coated Graphite Foam as an Efficient Free-Standing Electrode for a Hydrogen Evolution Reaction. ACS Applied Materials & Interfaces, 2017, 9, 30591-30598.	4.0	56
15	A VS <sub>2</sub> @N-doped carbon hybrid with strong interfacial interaction for high-performance rechargeable aqueous Zn-ion batteries. Journal of Materials Chemistry C, 0, , .	2.7	54
16	Utilization of MoS <sub>2</sub> and graphene to enhance the photocatalytic activity of Cu <sub>2</sub> O for oxidative C-C bond formation. Applied Catalysis B: Environmental, 2017, 213, 1-8.	10.8	52
17	Facile Synthesis of High-Performance Nitrogen-Doped Hierarchically Porous Carbon for Catalytic Oxidation. ACS Sustainable Chemistry and Engineering, 2020, 8, 4236-4243.	3.2	52
18	3D self-supported Ni(PO <sub>3</sub> ) <sub>2</sub> -MoO <sub>3</sub> nanorods anchored on nickel foam for highly efficient overall water splitting. Nanoscale, 2018, 10, 22173-22179.	2.8	50

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19	Multiple roles of a heterointerface in two-dimensional van der Waals heterostructures: insights into energy-related applications. <i>Journal of Materials Chemistry A</i> , 2019, 7, 23577-23603.	5.2	43
20	Photo-accelerated $\text{Co}^{3+}/\text{Co}^{2+}$ transformation on cobalt and phosphorus co-doped $\text{g-C}_3\text{N}_4$ for Fenton-like reaction. <i>Journal of Materials Chemistry A</i> , 2021, 9, 22399-22409.	5.2	37
21	Easily Regenerated $\text{CuO}/\text{Al}_2\text{O}_3$ for Persulfate-Based Catalytic Oxidation: Insights into the Deactivation and Regeneration Mechanism. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 2630-2641.	4.0	36
22	Bifunctional Graphene-Based Metal-Free Catalysts for Oxidative Coupling of Amines. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 31844-31850.	4.0	35
23	Improving the performance of a titanium carbide MXene in supercapacitors by partial oxidation treatment. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1205-1211.	3.0	30
24	Preparation of ultrathin molybdenum disulfide dispersed on graphene via cobalt doping: A bifunctional catalyst for hydrogen and oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 9583-9591.	3.8	25
25	MXene derivatives: synthesis and applications in energy conversion and storage. <i>RSC Advances</i> , 2021, 11, 16065-16082.	1.7	25
26	CoP Nanoparticles Combined with $\text{WSe}_2$ Nanosheets: An Efficient Hybrid Catalyst for Electrocatalytic Hydrogen Evolution Reaction. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 483-489.	1.8	24
27	Synthesis of Palladium, $\text{ZnFe}_2\text{O}_4$ Functionalized Reduced Graphene Oxide Nanocomposites as $\text{H}_2\text{O}_2$ Detector. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 4327-4333.	1.8	23
28	N-doped hierarchical porous metal-free catalysts derived from covalent triazine frameworks for the efficient oxygen reduction reaction. <i>Catalysis Science and Technology</i> , 2019, 9, 6606-6612.	2.1	23
29	Synergistic Effect of N-Doped $\text{sp}^2$ Carbon and Porous Structure in Graphene Gels toward Selective Oxidation of $\text{C}=\text{H}$ Bond. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 13087-13096.	4.0	22
30	Multilevel N-doped carbon nanotube/graphene supported cobalt phosphide nanoparticles for electrocatalytic hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 30053-30061.	3.8	19
31	Transition Metal/Metal Oxide Interface ( $\text{Ni}^{\text{O}}/\text{Ni}_4\text{Mo}$ ) Stabilized on N-Doped Carbon Paper for Enhanced Hydrogen Evolution Reaction in Alkaline Conditions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 5145-5150.	1.8	19
32	Preparation of Cuprous Oxide Mesoporous Spheres with Different Pore Sizes for Non-Enzymatic Glucose Detection. <i>Nanomaterials</i> , 2018, 8, 73.	1.9	17
33	Bimetallic Iron-Cobalt Catalysts and Their Applications in Energy-Related Electrochemical Reactions. <i>Catalysts</i> , 2019, 9, 762.	1.6	16
34	Dual-Functionalized Covalent Triazine Framework Nanosheets as Hierarchical Nonviral Vectors for Intracellular Gene Delivery. <i>ACS Applied Nano Materials</i> , 2021, 4, 4948-4955.	2.4	14
35	Hierarchical Amorphous Carbon-Coated $\text{Co}/\text{Co}_9\text{S}_8$ Nanoparticles on $\text{MoS}_2$ toward Synergetic Electrocatalytic Water Splitting. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 23093-23098.	1.8	12
36	Magnetic $\text{Au-Ag-}^{\text{Fe}}\text{-Fe}_2\text{O}_3/\text{rGO}$ Nanocomposites as an Efficient Catalyst for the Reduction of 4-Nitrophenol. <i>Nanomaterials</i> , 2018, 8, 877.	1.9	11

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37	Interface Engineering to Improve the Rate Performance and Stability of the Mn-Cathode Electrode for Aqueous Zinc-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 24386-24395.	4.0	11
38	Grain-boundary-rich layered double hydroxides <i>via</i> a boron-assisted strategy for the oxygen evolution reaction. <i>Chemical Communications</i> , 2022, 58, 5646-5649.	2.2	10
39	Anodic polarization creates an electrocatalytically active Ni anode/electrolyte interface and mitigates the coarsening of Ni phase in SOFC. <i>Electrochimica Acta</i> , 2021, 391, 138912.	2.6	9
40	Reconstruction of bimetal CoFe <sub>0.13</sub> -MOF to enhance the catalytic performance in the oxygen evolution reaction. <i>Chemical Communications</i> , 2022, 58, 1115-1118.	2.2	9
41	Boosting the Zn-ion energy storage capability of graphene sandwiched nanoporous VO <sub>x</sub> derived from MXene. <i>Nanoscale</i> , 2022, 14, 8640-8648.	2.8	9
42	Sulfur-Rich Molybdenum Sulfide Grown on Porous N-Doped Graphene for Efficient Hydrogen Evolution. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 12862-12869.	1.8	8
43	Topochemical synthesis of low-dimensional nanomaterials. <i>Nanoscale</i> , 2020, 12, 21971-21987.	2.8	7
44	Bimetallic ZIF-Derived Co/N-Codoped Porous Carbon Supported Ruthenium Catalysts for Highly Efficient Hydrogen Evolution Reaction. <i>Nanomaterials</i> , 2021, 11, 1228.	1.9	7
45	Nitrogen <sup>~</sup> carbon materials base on pyrolytic graphene hydrogel for oxygen reduction. <i>Journal of Colloid and Interface Science</i> , 2021, 602, 274-281.	5.0	7
46	Surfactant-Free Synthesis of Ultrafine Pt Nanoparticles on MoS <sub>2</sub> Nanosheets as Bifunctional Catalysts for the Hydrodeoxygenation of Bio-Oil. <i>Langmuir</i> , 2020, 36, 14710-14716.	1.6	7
47	Coupling LaNiO <sub>3</sub> Nanorods with FeOOH Nanosheets for Oxygen Evolution Reaction. <i>Catalysts</i> , 2022, 12, 594.	1.6	7
48	Nitrogen-doped 3D hollow carbon spheres for efficient selective oxidation of C-H bonds under mild conditions. <i>New Journal of Chemistry</i> , 2022, 46, 9727-9734.	1.4	2