

# Bo You

## List of Publications by Citations

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57  
papers

7,109  
citations

35  
h-index

60  
g-index

60  
ext. papers

8,680  
ext. citations

10.4  
avg, IF

6.83  
L-index

#	Paper	IF	Citations
57	Innovative Strategies for Electrocatalytic Water Splitting. <i>Accounts of Chemical Research</i> , <b>2018</b> , 51, 1571-1580	15.9	688
56	Electrodeposited cobalt-phosphorous-derived films as competent bifunctional catalysts for overall water splitting. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 6251-4	16.4	638
55	Hierarchically Porous Urchin-Like Ni <sub>2</sub> P Superstructures Supported on Nickel Foam as Efficient Bifunctional Electrocatalysts for Overall Water Splitting. <i>ACS Catalysis</i> , <b>2016</b> , 6, 714-721	13.1	604
54	High-Performance Overall Water Splitting Electrocatalysts Derived from Cobalt-Based Metal-Organic Frameworks. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 7636-7642	9.6	486
53	A General Strategy for Decoupled Hydrogen Production from Water Splitting by Integrating Oxidative Biomass Valorization. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 13639-13646	16.4	416
52	Bimetal-Organic Framework Self-Adjusted Synthesis of Support-Free Nonprecious Electrocatalysts for Efficient Oxygen Reduction. <i>ACS Catalysis</i> , <b>2015</b> , 5, 7068-7076	13.1	361
51	Nickel sulfides for electrocatalytic hydrogen evolution under alkaline conditions: a case study of crystalline NiS, NiS <sub>2</sub> , and Ni <sub>3</sub> S <sub>2</sub> nanoparticles. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 1077-1084	5.5	330
50	Three dimensional N-doped graphene-CNT networks for supercapacitor. <i>Chemical Communications</i> , <b>2013</b> , 49, 5016-8	5.8	302
49	Simultaneous H <sub>2</sub> Generation and Biomass Upgrading in Water by an Efficient Noble-Metal-Free Bifunctional Electrocatalyst. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 9913-7	16.4	275
48	Enhancing Electrocatalytic Water Splitting by Strain Engineering. <i>Advanced Materials</i> , <b>2019</b> , 31, e18070014	14	240
47	Hierarchically Porous Nickel Sulfide Multifunctional Superstructures. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1502333	21.8	226
46	Electrodeposited Cobalt-Phosphorous-Derived Films as Competent Bifunctional Catalysts for Overall Water Splitting. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 6349-6352	3.6	186
45	Efficient H <sub>2</sub> Evolution Coupled with Oxidative Refining of Alcohols via A Hierarchically Porous Nickel Bifunctional Electrocatalyst. <i>ACS Catalysis</i> , <b>2017</b> , 7, 4564-4570	13.1	167
44	Integrating Electrocatalytic 5-Hydroxymethylfurfural Oxidation and Hydrogen Production via Co <sup>II</sup> -Derived Electrocatalysts. <i>ACS Energy Letters</i> , <b>2016</b> , 1, 386-390	20.1	163
43	Universal Surface Engineering of Transition Metals for Superior Electrocatalytic Hydrogen Evolution in Neutral Water. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 12283-12290	16.4	151
42	Three-dimensional hierarchically porous all-carbon foams for supercapacitor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 15302-8	9.5	148
41	Bifunctionality and Mechanism of Electrodeposited Nickel-Phosphorous Films for Efficient Overall Water Splitting. <i>ChemCatChem</i> , <b>2016</b> , 8, 106-112	5.2	131

40	Easy synthesis of hollow core, bimodal mesoporous shell carbon nanospheres and their application in supercapacitor. <i>Chemical Communications</i> , <b>2011</b> , 47, 12364-6	5.8	123
39	Hydrogel-derived heteroatom-doped porous carbon networks for supercapacitor and electrocatalytic oxygen reduction. <i>Carbon</i> , <b>2016</b> , 103, 9-15	10.4	122
38	Microwave vs. solvothermal synthesis of hollow cobalt sulfide nanoprisms for electrocatalytic hydrogen evolution and supercapacitors. <i>Chemical Communications</i> , <b>2015</b> , 51, 4252-5	5.8	117
37	Negative Charging of Transition-Metal Phosphides via Strong Electronic Coupling for Destabilization of Alkaline Water. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 11796-11800	16.4	101
36	Self-Assembly Synthesis of N-Doped Carbon Aerogels for Supercapacitor and Electrocatalytic Oxygen Reduction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 12760-6	9.5	92
35	Electrocatalytic and photocatalytic hydrogen evolution integrated with organic oxidation. <i>Chemical Communications</i> , <b>2018</b> , 54, 5943-5955	5.8	88
34	Graphene oxide-dispersed pristine CNTs support for MnO <sub>2</sub> nanorods as high performance supercapacitor electrodes. <i>ChemSusChem</i> , <b>2013</b> , 6, 474-80	8.3	76
33	Simultaneous H <sub>2</sub> Generation and Biomass Upgrading in Water by an Efficient Noble-Metal-Free Bifunctional Electrocatalyst. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 10067-10071	3.6	75
32	Reconstructed Water Oxidation Electrocatalysts: The Impact of Surface Dynamics on Intrinsic Activities. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2008190	15.6	64
31	Facile Surface Modification of Ubiquitous Stainless Steel Led to Competent Electrocatalysts for Overall Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 4778-4784	8.3	57
30	Multifunctional electroactive heteroatom-doped carbon aerogels. <i>Small</i> , <b>2014</b> , 10, 4352-61	11	53
29	Chalcogenide and Phosphide Solid-State Electrocatalysts for Hydrogen Generation. <i>ChemPlusChem</i> , <b>2016</b> , 81, 1045-1055	2.8	53
28	Universal molecular-confined synthesis of interconnected porous metal oxides-N-C frameworks for electrocatalytic water splitting. <i>Nano Energy</i> , <b>2018</b> , 48, 600-606	17.1	50
27	A nickel complex with a biscarbene pincer-type ligand shows high electrocatalytic reduction of CO <sub>2</sub> over H <sub>2</sub> O. <i>Dalton Transactions</i> , <b>2015</b> , 44, 16247-50	4.3	47
26	Competent overall water-splitting electrocatalysts derived from ZIF-67 grown on carbon cloth. <i>RSC Advances</i> , <b>2016</b> , 6, 73336-73342	3.7	46
25	Improving the Energy Storage Performance of Graphene through Insertion of Pristine CNTs and Ordered Mesoporous Carbon Coating. <i>ChemElectroChem</i> , <b>2014</b> , 1, 772-778	4.3	42
24	Electrocatalysis of Furfural Oxidation Coupled with H <sub>2</sub> Evolution via Nickel-Based Electrocatalysts in Water. <i>ChemNanoMat</i> , <b>2017</b> , 3, 491-495	3.5	41
23	Engineering 2D Photocatalysts toward Carbon Dioxide Reduction. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2003159	21.8	41

22	Three dimensional Ni foam-supported graphene oxide for binder-free pseudocapacitor. <i>Electrochimica Acta</i> , <b>2015</b> , 152, 216-221	6.7	35
21	Integrated design for electrocatalytic carbon dioxide reduction. <i>Catalysis Science and Technology</i> , <b>2020</b> , 10, 2711-2720	5.5	35
20	Morphology-activity correlation in hydrogen evolution catalyzed by cobalt sulfides. <i>Inorganic Chemistry Frontiers</i> , <b>2016</b> , 3, 279-285	6.8	29
19	Electrochemical oxidation to construct a nickel sulfide/oxide heterostructure with improvement of capacitance. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 11611-11615	13	28
18	Hollow porous molecularly imprinted polymer nanosphere for fast and efficient recognition of bisphenol A. <i>RSC Advances</i> , <b>2012</b> , 2, 9778	3.7	27
17	Raw biomass electroreforming coupled to green hydrogen generation. <i>Nature Communications</i> , <b>2021</b> , 12, 2008	17.4	23
16	Hydrogel-derived non-precious electrocatalysts for efficient oxygen reduction. <i>Scientific Reports</i> , <b>2015</b> , 5, 11739	4.9	21
15	Efficient Electroconversion of Carbon Dioxide to Formate by a Reconstructed Amino-Functionalized Indium-Organic Framework Electrocatalyst. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 19107-19112	16.4	20
14	Negative Charging of Transition-Metal Phosphides via Strong Electronic Coupling for Destabilization of Alkaline Water. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 11922-11926	3.6	12
13	Chemoresponsive Colloidosomes via Ag+ Soldering of Surface-Assembled Nanoparticle Monolayers. <i>Langmuir</i> , <b>2015</b> , 31, 4589-92	4	11
12	A new restriction effect of aging time on the shrinkage of ordered mesoporous carbon during carbonization. <i>RSC Advances</i> , <b>2012</b> , 2, 5071	3.7	10
11	Recent advances in carbon substrate supported nonprecious nanoarrays for electrocatalytic oxygen evolution. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 25773-25795	13	10
10	Hybrid water electrolysis: Replacing oxygen evolution reaction for energy-efficient hydrogen production and beyond. <i>Materials Reports Energy</i> , <b>2021</b> , 1, 100004		9
9	Atom migration-trapping toward single-atom catalysts for energy electrocatalysis. <i>Materials Today Energy</i> , <b>2021</b> , 19, 100586	7	8
8	Destabilizing Alkaline Water with 3d-Metal (Oxy)(Hydr)Oxides for Improved Hydrogen Evolution. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 553-564	4.8	7
7	Carbon-Confined Indium Oxides for Efficient Carbon Dioxide Reduction in a Solid-State Electrolyte Flow Cell. <i>Angewandte Chemie - International Edition</i> , <b>2022</b> ,	16.4	7
6	Emerging Electrocatalysts for Water Oxidation under Near-Neutral CO Reduction Conditions. <i>Advanced Materials</i> , <b>2021</b> , e2105852	24	5
5	Laser engraving and punching of graphene films as flexible all-solid-state planar micro-supercapacitor electrodes. <i>Materials Today Sustainability</i> , <b>2022</b> , 17, 100096	5	4

4	Influence of Preparation Conditions on Structural Stability of Ordered Mesoporous Carbons Synthesized by Evaporation-induced Triconstituent Co-assembly Method. <i>Chinese Journal of Chemical Physics</i> , <b>2011</b> , 24, 365-372	0.9	2
3	Resurrecting Catalysts by Flash Annealing. <i>Joule</i> , <b>2020</b> , 4, 2249-2251	27.8	2
2	Progress on organic potassium salts involved synthesis of porous carbon nanomaterials: microstructure engineering for advanced supercapacitors. <i>Nanoscale</i> ,	7.7	2
1	Efficient Electroconversion of Carbon Dioxide to Formate by a Reconstructed Amino-Functionalized Indium-Organic Framework Electrocatalyst. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 19255-19260	36	2