Bo You

List of Publications by Year in Descending Order

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	Laser engraving and punching of graphene films as flexible all-solid-state planar micro-supercapacitor electrodes. *Materials Today Sustainability*, **2022**, 17, 100096	5	4
56	Carbon-Confined Indium Oxides for Efficient Carbon Dioxide Reduction in a Solid-State Electrolyte Flow Cell.. *Angewandte Chemie - International Edition*, **2022**,	16.4	7
55	Recent advances in carbon substrate supported nonprecious nanoarrays for electrocatalytic oxygen evolution. *Journal of Materials Chemistry A*, **2021**, 9, 25773-25795	13	10
54	Emerging Electrocatalysts for Water Oxidation under Near-Neutral CO Reduction Conditions. *Advanced Materials*, **2021**, e2105852	24	5
53	Raw biomass electroreforming coupled to green hydrogen generation. *Nature Communications*, **2021**, 12, 2008	17.4	23
52	Efficient Electroconversion of Carbon Dioxide to Formate by a Reconstructed Amino-Functionalized Indium-Organic Framework Electrocatalyst. *Angewandte Chemie - International Edition*, **2021**, 60, 19107-19112	16.4	20
51	Destabilizing Alkaline Water with 3d-Metal (Oxy)(Hydr)Oxides for Improved Hydrogen Evolution. *Chemistry - A European Journal*, **2021**, 27, 553-564	4.8	7
50	Atom migration-trapping toward single-atom catalysts for energy electrocatalysis. *Materials Today Energy*, **2021**, 19, 100586	7	8
49	Hybrid water electrolysis: Replacing oxygen evolution reaction for energy-efficient hydrogen production and beyond. *Materials Reports Energy*, **2021**, 1, 100004		9
48	Reconstructed Water Oxidation Electrocatalysts: The Impact of Surface Dynamics on Intrinsic Activities. *Advanced Functional Materials*, **2021**, 31, 2008190	15.6	64
47	Engineering 2D Photocatalysts toward Carbon Dioxide Reduction. *Advanced Energy Materials*, **2021**, 11, 2003159	21.8	41
46	Efficient Electroconversion of Carbon Dioxide to Formate by a Reconstructed Amino-Functionalized Indium□Organic Framework Electrocatalyst. *Angewandte Chemie*, **2021**, 133, 19255-19260	3.6	0
45	Integrated design for electrocatalytic carbon dioxide reduction. *Catalysis Science and Technology*, **2020**, 10, 2711-2720	5.5	35
44	Resurrecting Catalysts by Flash Annealing. *Joule*, **2020**, 4, 2249-2251	27.8	2
43	Negative Charging of Transition-Metal Phosphides via Strong Electronic Coupling for Destabilization of Alkaline Water. *Angewandte Chemie*, **2019**, 131, 11922-11926	3.6	12
42	Negative Charging of Transition-Metal Phosphides via Strong Electronic Coupling for Destabilization of Alkaline Water. *Angewandte Chemie - International Edition*, **2019**, 58, 11796-11800	16.4	101
41	Enhancing Electrocatalytic Water Splitting by Strain Engineering. *Advanced Materials*, **2019**, 31, e1807001	14	240

40	Universal molecular-confined synthesis of interconnected porous metal oxides-N-C frameworks for electrocatalytic water splitting. *Nano Energy*, **2018**, 48, 600-606	17.1	50
39	Electrocatalytic and photocatalytic hydrogen evolution integrated with organic oxidation. *Chemical Communications*, **2018**, 54, 5943-5955	5.8	88
38	Innovative Strategies for Electrocatalytic Water Splitting. *Accounts of Chemical Research*, **2018**, 51, 1571-1580	24.9	688
37	Facile Surface Modification of Ubiquitous Stainless Steel Led to Competent Electrocatalysts for Overall Water Splitting. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 4778-4784	8.3	57
36	Efficient H2 Evolution Coupled with Oxidative Refining of Alcohols via A Hierarchically Porous Nickel Bifunctional Electrocatalyst. *ACS Catalysis*, **2017**, 7, 4564-4570	13.1	167
35	Electrocatalysis of Furfural Oxidation Coupled with H2 Evolution via Nickel-Based Electrocatalysts in Water. *ChemNanoMat*, **2017**, 3, 491-495	3.5	41
34	Universal Surface Engineering of Transition Metals for Superior Electrocatalytic Hydrogen Evolution in Neutral Water. *Journal of the American Chemical Society*, **2017**, 139, 12283-12290	16.4	151
33	A General Strategy for Decoupled Hydrogen Production from Water Splitting by Integrating Oxidative Biomass Valorization. *Journal of the American Chemical Society*, **2016**, 138, 13639-13646	16.4	416
32	Simultaneous H2 Generation and Biomass Upgrading in Water by an Efficient Noble-Metal-Free Bifunctional Electrocatalyst. *Angewandte Chemie - International Edition*, **2016**, 55, 9913-7	16.4	275
31	Simultaneous H2 Generation and Biomass Upgrading in Water by an Efficient Noble-Metal-Free Bifunctional Electrocatalyst. *Angewandte Chemie*, **2016**, 128, 10067-10071	3.6	75
30	Integrating Electrocatalytic 5-Hydroxymethylfurfural Oxidation and Hydrogen Production via Co_2P-Derived Electrocatalysts. *ACS Energy Letters*, **2016**, 1, 386-390	20.1	163
29	Hierarchically Porous Nickel Sulfide Multifunctional Superstructures. *Advanced Energy Materials*, **2016**, 6, 1502333	21.8	226
28	Electrochemical oxidation to construct a nickel sulfide/oxide heterostructure with improvement of capacitance. *Journal of Materials Chemistry A*, **2016**, 4, 11611-11615	13	28
27	Morphology–activity correlation in hydrogen evolution catalyzed by cobalt sulfides. *Inorganic Chemistry Frontiers*, **2016**, 3, 279-285	6.8	29
26	Hydrogel-derived heteroatom-doped porous carbon networks for supercapacitor and electrocatalytic oxygen reduction. *Carbon*, **2016**, 103, 9-15	10.4	122
25	Hierarchically Porous Urchin-Like Ni2P Superstructures Supported on Nickel Foam as Efficient Bifunctional Electrocatalysts for Overall Water Splitting. *ACS Catalysis*, **2016**, 6, 714-721	13.1	604
24	Nickel sulfides for electrocatalytic hydrogen evolution under alkaline conditions: a case study of crystalline NiS, NiS2, and Ni3S2 nanoparticles. *Catalysis Science and Technology*, **2016**, 6, 1077-1084	5.5	330
23	Chalcogenide and Phosphide Solid-State Electrocatalysts for Hydrogen Generation. *ChemPlusChem*, **2016**, 81, 1045-1055	2.8	53

22	Bifunctionality and Mechanism of Electrodeposited Nickel–Phosphorous Films for Efficient Overall Water Splitting. *ChemCatChem*, **2016**, 8, 106-112	5.2	131
21	Competent overall water-splitting electrocatalysts derived from ZIF-67 grown on carbon cloth. *RSC Advances*, **2016**, 6, 73336-73342	3.7	46
20	Microwave vs. solvothermal synthesis of hollow cobalt sulfide nanoprisms for electrocatalytic hydrogen evolution and supercapacitors. *Chemical Communications*, **2015**, 51, 4252-5	5.8	117
19	Hydrogel-derived non-precious electrocatalysts for efficient oxygen reduction. *Scientific Reports*, **2015**, 5, 11739	4.9	21
18	Electrodeposited cobalt-phosphorous-derived films as competent bifunctional catalysts for overall water splitting. *Angewandte Chemie - International Edition*, **2015**, 54, 6251-4	16.4	638
17	Chemoresponsive Colloidosomes via Ag+ Soldering of Surface-Assembled Nanoparticle Monolayers. *Langmuir*, **2015**, 31, 4589-92	4	11
16	Bimetal–Organic Framework Self-Adjusted Synthesis of Support-Free Nonprecious Electrocatalysts for Efficient Oxygen Reduction. *ACS Catalysis*, **2015**, 5, 7068-7076	13.1	361
15	High-Performance Overall Water Splitting Electrocatalysts Derived from Cobalt-Based Metal–Organic Frameworks. *Chemistry of Materials*, **2015**, 27, 7636-7642	9.6	486
14	A nickel complex with a biscarbene pincer-type ligand shows high electrocatalytic reduction of CO2 over H2O. *Dalton Transactions*, **2015**, 44, 16247-50	4.3	47
13	Three dimensional Ni foam-supported graphene oxide for binder-free pseudocapacitor. *Electrochimica Acta*, **2015**, 152, 216-221	6.7	35
12	Electrodeposited Cobalt-Phosphorous-Derived Films as Competent Bifunctional Catalysts for Overall Water Splitting. *Angewandte Chemie*, **2015**, 127, 6349-6352	3.6	186
11	Self-Assembly Synthesis of N-Doped Carbon Aerogels for Supercapacitor and Electrocatalytic Oxygen Reduction. *ACS Applied Materials & Interfaces*, **2015**, 7, 12760-6	9.5	92
10	Multifunctional electroactive heteroatom-doped carbon aerogels. *Small*, **2014**, 10, 4352-61	11	53
9	Three-dimensional hierarchically porous all-carbon foams for supercapacitor. *ACS Applied Materials & Interfaces*, **2014**, 6, 15302-8	9.5	148
8	Improving the Energy Storage Performance of Graphene through Insertion of Pristine CNTs and Ordered Mesoporous Carbon Coating. *ChemElectroChem*, **2014**, 1, 772-778	4.3	42
7	Graphene oxide-dispersed pristine CNTs support for MnO2 nanorods as high performance supercapacitor electrodes. *ChemSusChem*, **2013**, 6, 474-80	8.3	76
6	Three dimensional N-doped graphene-CNT networks for supercapacitor. *Chemical Communications*, **2013**, 49, 5016-8	5.8	302
5	Hollow porous molecularly imprinted polymer nanosphere for fast and efficient recognition of bisphenol A. *RSC Advances*, **2012**, 2, 9778	3.7	27

4	A new restriction effect of aging time on the shrinkage of ordered mesoporous carbon during carbonization. *RSC Advances*, **2012**, 2, 5071	3.7	10
3	Easy synthesis of hollow core, bimodal mesoporous shell carbon nanospheres and their application in supercapacitor. *Chemical Communications*, **2011**, 47, 12364-6	5.8	123
2	Influence of Preparation Conditions on Structural Stability of Ordered Mesoporous Carbons Synthesized by Evaporation-induced Triconstituent Co-assembly Method. *Chinese Journal of Chemical Physics*, **2011**, 24, 365-372	0.9	2
1	Progress on organic potassium salts involved synthesis of porous carbon nanomaterials: microstructure engineering for advanced supercapacitors. *Nanoscale*,	7.7	2