Pengzuo Chen

List of Publications by Year
in descending order

39 papers	7,914 citations	159585 30 h-index	289244 40 g-index
41 all docs	41 docs citations	41 times ranked	9717 citing authors

#	Article	IF	Citations
1	Electronic regulation of platinum species on metal nitrides realizes superior mass activity for hydrogen production. Journal of Colloid and Interface Science, 2022, 622, 410-418.	9.4	29
2	Cobalt phosphide nanowires with adjustable iridium, realizing excellent bifunctional activity for acidic water splitting. Dalton Transactions, 2021, 50, 7364-7371.	3.3	12
3	Optimized hierarchical nickel sulfide as a highly active bifunctional catalyst for overall water splitting. Dalton Transactions, 2021, 50, 7776-7782.	3.3	23
4	Universal Strategy of Bimetal Heterostructures as Superior Bifunctional Catalysts for Electrochemical Water Splitting. ACS Sustainable Chemistry and Engineering, 2021, 9, 4206-4212.	6.7	61
5	Dual anions engineering on nickel cobalt-based catalyst for optimal hydrogen evolution electrocatalysis. Journal of Colloid and Interface Science, 2021, 589, 127-134.	9.4	30
6	Dual Vacancies Confined in Nickel Phosphosulfide Nanosheets Enabling Robust Overall Water Splitting. ChemSusChem, 2021, 14, 2576-2584.	6.8	36
7	Dual Modification Strategy of Nickel Sulfide as pH-Universal Catalysts for Hydrogen Production at Large Current Density. ACS Sustainable Chemistry and Engineering, 2021, 9, 10601-10610.	6.7	18
8	Highly efficient electrochemical reduction of carbon dioxide to formate on Sn modified Bi₂O₃ heterostructure. Dalton Transactions, 2021, 50, 14120-14124.	3.3	6
9	Nitrogenâ€Incorporated Cobalt Sulfide/Graphene Hybrid Catalysts for Overall Water Splitting. ChemSusChem, 2020, 13, 5112-5118.	6.8	48
10	Highâ€Efficiency Anion Exchange Membrane Water Electrolysis Employing Nonâ€Noble Metal Catalysts. Advanced Energy Materials, 2020, 10, 2002285.	19.5	134
11	Confinement of fluorine anions in nickel-based catalysts for greatly enhancing oxygen evolution activity. Chemical Communications, 2020, 56, 4196-4199.	4.1	34
12	Trace Iridium Engineering on Nickel Hydroxide Nanosheets as Highâ€active Catalyst for Overall Water Splitting. ChemCatChem, 2020, 12, 5720-5726.	3.7	19
13	Tailoring Electronic Structure of Atomically Dispersed Metalâ€“N₃S₁ Active Sites for Highly Efficient Oxygen Reduction Catalysis. , 2019, 1, 139-146.		34
14	Interfacial engineering of cobalt sulfide/graphene hybrids for highly efficient ammonia electrosynthesis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6635-6640.	7.1	242
15	Oxygen Vacancies Confined in Nickel Molybdenum Oxide Porous Nanosheets for Promoted Electrocatalytic Urea Oxidation. ACS Catalysis, 2018, 8, 1-7.	11.2	372
16	Surface/Interfacial Engineering of Inorganic Low-Dimensional Electrode Materials for Electrocatalysis. Accounts of Chemical Research, 2018, 51, 2857-2866.	15.6	190
17	Dynamic Migration of Surface Fluorine Anions on Cobaltâ€Based Materials to Achieve Enhanced Oxygen Evolution Catalysis. Angewandte Chemie, 2018, 130, 15697-15701.	2.0	11
18	Dynamic Migration of Surface Fluorine Anions on Cobaltâ€Based Materials to Achieve Enhanced Oxygen Evolution Catalysis. Angewandte Chemie - International Edition, 2018, 57, 15471-15475.	13.8	178

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19	Vibronic Superexchange in Double Perovskite Electrocatalyst for Efficient Electrocatalytic Oxygen Evolution. Journal of the American Chemical Society, 2018, 140, 11165-11169.	13.7	138
20	Atomically Dispersed Ironâ€“Nitrogen Species as Electrocatalysts for Bifunctional Oxygen Evolution and Reduction Reactions. Angewandte Chemie, 2017, 129, 625-629.	2.0	140
21	Atomically Dispersed Ironâ€“Nitrogen Species as Electrocatalysts for Bifunctional Oxygen Evolution and Reduction Reactions. Angewandte Chemie - International Edition, 2017, 56, 610-614.	13.8	950
22	A Bifunctional Hybrid Electrocatalyst for Oxygen Reduction and Evolution: Cobalt Oxide Nanoparticles Strongly Coupled to B,Nâ€Decorated Graphene. Angewandte Chemie - International Edition, 2017, 56, 7121-7125.	13.8	395
23	A Bifunctional Hybrid Electrocatalyst for Oxygen Reduction and Evolution: Cobalt Oxide Nanoparticles Strongly Coupled to B,Nâ€Decorated Graphene. Angewandte Chemie, 2017, 129, 7227-7231.	2.0	59
24	3D Nitrogenâ€Anionâ€Decorated Nickel Sulfides for Highly Efficient Overall Water Splitting. Advanced Materials, 2017, 29, 1701584.	21.0	478
25	Enhanced Catalytic Activity in Nitrogen-Anion Modified Metallic Cobalt Disulfide Porous Nanowire Arrays for Hydrogen Evolution. ACS Catalysis, 2017, 7, 7405-7411.	11.2	152
26	Solutionâ€Liquidâ€Solid Synthesis of Hexagonal Nickel Selenide Nanowire Arrays with a Nonmetal Catalyst. Angewandte Chemie, 2016, 128, 1742-1745.	2.0	17
27	Strongâ€Coupled Cobalt Borate Nanosheets/Graphene Hybrid as Electrocatalyst for Water Oxidation Under Both Alkaline and Neutral Conditions. Angewandte Chemie, 2016, 128, 2534-2538.	2.0	52
28	Strongâ€Coupled Cobalt Borate Nanosheets/Graphene Hybrid as Electrocatalyst for Water Oxidation Under Both Alkaline and Neutral Conditions. Angewandte Chemie - International Edition, 2016, 55, 2488-2492.	13.8	391
29	A zwitterionic gel electrolyte for efficient solid-state supercapacitors. Nature Communications, 2016, 7, 11782.	12.8	374
30	Solutionâ€Liquidâ€Solid Synthesis of Hexagonal Nickel Selenide Nanowire Arrays with a Nonmetal Catalyst. Angewandte Chemie - International Edition, 2016, 55, 1710-1713.	13.8	115
31	Dual Electricalâ€Behavior Regulation on Electrocatalysts Realizing Enhanced Electrochemical Water Oxidation. Advanced Materials, 2016, 28, 3326-3332.	21.0	145
32	Engineering the electronic structure of two-dimensional subnanopore nanosheets using molecular titanium-oxide incorporation for enhanced photocatalytic activity. Chemical Science, 2016, 7, 1462-1467.	7.4	41
33	Cobalt nitrides as a class of metallic electrocatalysts for the oxygen evolution reaction. Inorganic Chemistry Frontiers, 2016, 3, 236-242.	6.0	243
34	Engineering the Electronic State of a Perovskite Electrocatalyst for Synergistically Enhanced Oxygen Evolution Reaction. Advanced Materials, 2015, 27, 5989-5994.	21.0	236
35	Metallic Co₄N Porous Nanowire Arrays Activated by Surface Oxidation as Electrocatalysts for the Oxygen Evolution Reaction. Angewandte Chemie - International Edition, 2015, 54, 14710-14714.	13.8	684
36	Metallic Nickel Nitride Nanosheets Realizing Enhanced Electrochemical Water Oxidation. Journal of the American Chemical Society, 2015, 137, 4119-4125.	13.7	1,004

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37	Hydrogen dangling bonds induce ferromagnetism in two-dimensional metal-free graphitic-C₃N₄ nanosheets. Chemical Science, 2015, 6, 283-287.	7.4	62
38	Facile one step method realizing scalable production of g-C₃N₄nanosheets and study of their photocatalytic H₂evolution activity. Journal of Materials Chemistry A, 2014, 2, 18924-18928.	10.3	405
39	Ultrathin nanosheets of feroxyhyte: a new two-dimensional material with robust ferromagnetic behavior. Chemical Science, 2014, 5, 2251-2255.	7.4	85