

Pengzuo Chen

List of Publications by Year in descending order

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7,914
citations

159585

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docs citations

41
times ranked

9717
citing authors

#	ARTICLE	IF	CITATIONS
1	Metallic Nickel Nitride Nanosheets Realizing Enhanced Electrochemical Water Oxidation. <i>Journal of the American Chemical Society</i> , 2015, 137, 4119-4125.	13.7	1,004
2	Atomically Dispersed Iron-Nitrogen Species as Electrocatalysts for Bifunctional Oxygen Evolution and Reduction Reactions. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 610-614.	13.8	950
3	Metallic Co ₄ N Porous Nanowire Arrays Activated by Surface Oxidation as Electrocatalysts for the Oxygen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14710-14714.	13.8	684
4	3D Nitrogen-Anion-Decorated Nickel Sulfides for Highly Efficient Overall Water Splitting. <i>Advanced Materials</i> , 2017, 29, 1701584.	21.0	478
5	Facile one step method realizing scalable production of g-C ₃ N ₄ nanosheets and study of their photocatalytic H ₂ evolution activity. <i>Journal of Materials Chemistry A</i> , 2014, 2, 18924-18928.	10.3	405
6	A Bifunctional Hybrid Electrocatalyst for Oxygen Reduction and Evolution: Cobalt Oxide Nanoparticles Strongly Coupled to B,N-Decorated Graphene. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7121-7125.	13.8	395
7	Strongly Coupled Cobalt Borate Nanosheets/Graphene Hybrid as Electrocatalyst for Water Oxidation Under Both Alkaline and Neutral Conditions. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2488-2492.	13.8	391
8	A zwitterionic gel electrolyte for efficient solid-state supercapacitors. <i>Nature Communications</i> , 2016, 7, 11782.	12.8	374
9	Oxygen Vacancies Confined in Nickel Molybdenum Oxide Porous Nanosheets for Promoted Electrochemical Urea Oxidation. <i>ACS Catalysis</i> , 2018, 8, 1-7.	11.2	372
10	Cobalt nitrides as a class of metallic electrocatalysts for the oxygen evolution reaction. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 236-242.	6.0	243
11	Interfacial engineering of cobalt sulfide/graphene hybrids for highly efficient ammonia electrosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 6635-6640.	7.1	242
12	Engineering the Electronic State of a Perovskite Electrocatalyst for Synergistically Enhanced Oxygen Evolution Reaction. <i>Advanced Materials</i> , 2015, 27, 5989-5994.	21.0	236
13	Surface/Interfacial Engineering of Inorganic Low-Dimensional Electrode Materials for Electrocatalysis. <i>Accounts of Chemical Research</i> , 2018, 51, 2857-2866.	15.6	190
14	Dynamic Migration of Surface Fluorine Anions on Cobalt-Based Materials to Achieve Enhanced Oxygen Evolution Catalysis. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15471-15475.	13.8	178
15	Enhanced Catalytic Activity in Nitrogen-Anion Modified Metallic Cobalt Disulfide Porous Nanowire Arrays for Hydrogen Evolution. <i>ACS Catalysis</i> , 2017, 7, 7405-7411.	11.2	152
16	Dual Electrical Behavior Regulation on Electrocatalysts Realizing Enhanced Electrochemical Water Oxidation. <i>Advanced Materials</i> , 2016, 28, 3326-3332.	21.0	145
17	Atomically Dispersed Iron-Nitrogen Species as Electrocatalysts for Bifunctional Oxygen Evolution and Reduction Reactions. <i>Angewandte Chemie</i> , 2017, 129, 625-629.	2.0	140
18	Vibronic Superexchange in Double Perovskite Electrocatalyst for Efficient Electrochemical Oxygen Evolution. <i>Journal of the American Chemical Society</i> , 2018, 140, 11165-11169.	13.7	138

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19	High-Efficiency Anion Exchange Membrane Water Electrolysis Employing Non-Noble Metal Catalysts. <i>Advanced Energy Materials</i> , 2020, 10, 2002285.	19.5	134
20	Solution-Liquid-Solid Synthesis of Hexagonal Nickel Selenide Nanowire Arrays with a Nonmetal Catalyst. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1710-1713.	13.8	115
21	Ultrathin nanosheets of ferropyhyte: a new two-dimensional material with robust ferromagnetic behavior. <i>Chemical Science</i> , 2014, 5, 2251-2255.	7.4	85
22	Hydrogen dangling bonds induce ferromagnetism in two-dimensional metal-free graphitic-C ₃ N ₄ nanosheets. <i>Chemical Science</i> , 2015, 6, 283-287.	7.4	62
23	Universal Strategy of Bimetal Heterostructures as Superior Bifunctional Catalysts for Electrochemical Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 4206-4212.	6.7	61
24	A Bifunctional Hybrid Electrocatalyst for Oxygen Reduction and Evolution: Cobalt Oxide Nanoparticles Strongly Coupled to B,N-Decorated Graphene. <i>Angewandte Chemie</i> , 2017, 129, 7227-7231.	2.0	59
25	Strongly Coupled Cobalt Borate Nanosheets/Graphene Hybrid as Electrocatalyst for Water Oxidation Under Both Alkaline and Neutral Conditions. <i>Angewandte Chemie</i> , 2016, 128, 2534-2538.	2.0	52
26	Nitrogen-Incorporated Cobalt Sulfide/Graphene Hybrid Catalysts for Overall Water Splitting. <i>ChemSusChem</i> , 2020, 13, 5112-5118.	6.8	48
27	Engineering the electronic structure of two-dimensional subnanopore nanosheets using molecular titanium-oxide incorporation for enhanced photocatalytic activity. <i>Chemical Science</i> , 2016, 7, 1462-1467.	7.4	41
28	Dual Vacancies Confined in Nickel Phosphosulfide Nanosheets Enabling Robust Overall Water Splitting. <i>ChemSusChem</i> , 2021, 14, 2576-2584.	6.8	36
29	Tailoring Electronic Structure of Atomically Dispersed Metal-N ₃ S ₁ Active Sites for Highly Efficient Oxygen Reduction Catalysis. , 2019, 1, 139-146.		34
30	Confinement of fluorine anions in nickel-based catalysts for greatly enhancing oxygen evolution activity. <i>Chemical Communications</i> , 2020, 56, 4196-4199.	4.1	34
31	Dual anions engineering on nickel cobalt-based catalyst for optimal hydrogen evolution electrocatalysis. <i>Journal of Colloid and Interface Science</i> , 2021, 589, 127-134.	9.4	30
32	Electronic regulation of platinum species on metal nitrides realizes superior mass activity for hydrogen production. <i>Journal of Colloid and Interface Science</i> , 2022, 622, 410-418.	9.4	29
33	Optimized hierarchical nickel sulfide as a highly active bifunctional catalyst for overall water splitting. <i>Dalton Transactions</i> , 2021, 50, 7776-7782.	3.3	23
34	Trace Iridium Engineering on Nickel Hydroxide Nanosheets as High-Active Catalyst for Overall Water Splitting. <i>ChemCatChem</i> , 2020, 12, 5720-5726.	3.7	19
35	Dual Modification Strategy of Nickel Sulfide as pH-Universal Catalysts for Hydrogen Production at Large Current Density. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 10601-10610.	6.7	18
36	Solution-Liquid-Solid Synthesis of Hexagonal Nickel Selenide Nanowire Arrays with a Nonmetal Catalyst. <i>Angewandte Chemie</i> , 2016, 128, 1742-1745.	2.0	17

#	ARTICLE	IF	CITATIONS
37	Cobalt phosphide nanowires with adjustable iridium, realizing excellent bifunctional activity for acidic water splitting. Dalton Transactions, 2021, 50, 7364-7371.	3.3	12
38	Dynamic Migration of Surface Fluorine Anions on Cobalt-Based Materials to Achieve Enhanced Oxygen Evolution Catalysis. Angewandte Chemie, 2018, 130, 15697-15701.	2.0	11
39	Highly efficient electrochemical reduction of carbon dioxide to formate on Sn modified Bi ₂ O ₃ heterostructure. Dalton Transactions, 2021, 50, 14120-14124.	3.3	6