

Carlos G Read

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

6,862
citations

361296

20
h-index

580701

25
g-index

27
all docs

27
docs citations

27
times ranked

8549
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigations of the stability of etched or platinized p-InP(100) photocathodes for solar-driven hydrogen evolution in acidic or alkaline aqueous electrolytes. <i>Energy and Environmental Science</i> , 2021, 14, 6007-6020.	15.6	33
2	Cathodic NH ₄ ⁺ leaching of nitrogen impurities in CoMo thin-film electrodes in aqueous acidic solutions. <i>Sustainable Energy and Fuels</i> , 2020, 4, 5080-5087.	2.5	14
3	Vapor-fed electrolysis of water using earth-abundant catalysts in Nafion or in bipolar Nafion/poly(benzimidazolium) membranes. <i>Sustainable Energy and Fuels</i> , 2019, 3, 3611-3626.	2.5	14
4	Phase Directing Ability of an Ionic Liquid Solvent for the Synthesis of HER-Active Ni ₂ P Nanocrystals. <i>ACS Applied Energy Materials</i> , 2018, 1, 1823-1827.	2.5	30
5	Crystalline Cobalt Oxide Films for Sustained Electrocatalytic Oxygen Evolution under Strongly Acidic Conditions. <i>Chemistry of Materials</i> , 2017, 29, 950-957.	3.2	173
6	Crystalline nickel manganese antimonate as a stable water-oxidation catalyst in aqueous 1.0 M H ₂ SO ₄ . <i>Energy and Environmental Science</i> , 2017, 10, 2103-2108.	15.6	158
7	Low-temperature Solution Synthesis of Few-layer 1T MoTe ₂ Nanostructures Exhibiting Lattice Compression. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2830-2834.	7.2	84
8	General Strategy for the Synthesis of Transition Metal Phosphide Films for Electrocatalytic Hydrogen and Oxygen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12798-12803.	4.0	256
9	Synthesis, Characterization, and Properties of Metal Phosphide Catalysts for the Hydrogen-Evolution Reaction. <i>Chemistry of Materials</i> , 2016, 28, 6017-6044.	3.2	519
10	Low-temperature Solution Synthesis of Few-layer 1T MoTe ₂ Nanostructures Exhibiting Lattice Compression. <i>Angewandte Chemie</i> , 2016, 128, 2880-2884.	1.6	22
11	Solution Synthesis of Thiospinel CuCo ₂ S ₄ Nanoparticles. <i>Inorganic Chemistry</i> , 2016, 55, 221-226.	1.9	69
12	Sequential Anion and Cation Exchange Reactions for Complete Material Transformations of Nanoparticles with Morphological Retention. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8669-8672.	7.2	49
13	Highly branched cobalt phosphide nanostructures for hydrogen-evolution electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2015, 3, 5420-5425.	5.2	116
14	Pt-Au Nanoparticle Heterodimers as Seeds for Pt-Au Metal Sulfide Heterotrimers: Thermal Stability and Chemoselective Growth Characteristics. <i>Journal of Physical Chemistry C</i> , 2015, 119, 8952-8959.	1.5	23
15	Comparison of the Performance of CoP-Coated and Pt-Coated Radial Junction n-p-Silicon Microwire-Array Photocathodes for the Sunlight-Driven Reduction of Water to H ₂ (g). <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1679-1683.	2.1	60
16	Nanostructured Co ₂ P Electrocatalyst for the Hydrogen Evolution Reaction and Direct Comparison with Morphologically Equivalent CoP. <i>Chemistry of Materials</i> , 2015, 27, 3769-3774.	3.2	450
17	Colloidal Hybrid Nanoparticle Insertion Reaction for Transforming Heterodimers into Heterotrimers. <i>Journal of the American Chemical Society</i> , 2015, 137, 12514-12517.	6.6	29
18	Highly Active Electrocatalysis of the Hydrogen Evolution Reaction by Cobalt Phosphide Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5427-5430.	7.2	1,033

#	ARTICLE	IF	CITATIONS
19	Electrocatalytic hydrogen evolution using amorphous tungsten phosphide nanoparticles. Chemical Communications, 2014, 50, 11026.	2.2	264
20	Electrocatalytic and Photocatalytic Hydrogen Production from Acidic and Neutral-pH Aqueous Solutions Using Iron Phosphide Nanoparticles. ACS Nano, 2014, 8, 11101-11107.	7.3	429
21	Au-Ge and Ag-Ge Heterodimers with Tunable Domain Sizes: A Supersaturation-Precipitation Route to Colloidal Hybrid Nanoparticles. Chemistry of Materials, 2013, 25, 4304-4311.	3.2	29
22	Nanostructured Nickel Phosphide as an Electrocatalyst for the Hydrogen Evolution Reaction. Journal of the American Chemical Society, 2013, 135, 9267-9270.	6.6	2,624