Carlos G Read

List of Publications by Year
in descending order

22 papers	6,862 citations	361045 20 h-index	580395 25 g-index
27 all docs	27 docs citations	27 times ranked	8549 citing authors

#	Article	IF	Citations
1	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
2	Highly Active Electrocatalysis of the Hydrogen Evolution Reaction by Cobalt Phosphide Nanoparticles. Angewandte Chemie - International Edition, 2014, 53, 5427-5430.	7.2	1,033
3	Synthesis, Characterization, and Properties of Metal Phosphide Catalysts for the Hydrogen-Evolution Reaction. Chemistry of Materials, 2016, 28, 6017-6044.	3.2	519
4	Nanostructured Co₂P Electrocatalyst for the Hydrogen Evolution Reaction and Direct Comparison with Morphologically Equivalent CoP. Chemistry of Materials, 2015, 27, 3769-3774.	3.2	450
5	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
6	Electrocatalytic hydrogen evolution using amorphous tungsten phosphide nanoparticles. Chemical Communications, 2014, 50, 11026.	2.2	264
7	General Strategy for the Synthesis of Transition Metal Phosphide Films for Electrocatalytic Hydrogen and Oxygen Evolution. ACS Applied Materials & Interfaces, 2016, 8, 12798-12803.	4.0	256
8	Crystalline Cobalt Oxide Films for Sustained Electrocatalytic Oxygen Evolution under Strongly Acidic Conditions. Chemistry of Materials, 2017, 29, 950-957.	3.2	173
9	Crystalline nickel manganese antimonate as a stable water-oxidation catalyst in aqueous 1.0 M H₂SO₄. Energy and Environmental Science, 2017, 10, 2103-2108.	15.6	158
10	Highly branched cobalt phosphide nanostructures for hydrogen-evolution electrocatalysis. Journal of Materials Chemistry A, 2015, 3, 5420-5425.	5.2	116
11	Lowâ€Temperature Solution Synthesis of Fewâ€Layer 1Tâ€‰â€²â€MoTe₂ Nanostructures Exhibiting Lattice Compression. Angewandte Chemie - International Edition, 2016, 55, 2830-2834.	7.2	84
12	Solution Synthesis of Thiospinel CuCo₂S₄ Nanoparticles. Inorganic Chemistry, 2016, 55, 221-226.	1.9	69
13	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 H₂(g). Journal of Physical Chemistry Letters, 2015, 6, 1679-1683.	2.1	60
14	Sequential Anion and Cation Exchange Reactions for Complete Material Transformations of Nanoparticles with Morphological Retention. Angewandte Chemie - International Edition, 2015, 54, 8669-8672.	7.2	49
15	Investigations of the stability of etched or platinized p-InP(100) photocathodes for solar-driven hydrogen evolution in acidic or alkaline aqueous electrolytes. Energy and Environmental Science, 2021, 14, 6007-6020.	15.6	33
16	Phase Directing Ability of an Ionic Liquid Solvent for the Synthesis of HER-Active Ni₂P Nanocrystals. ACS Applied Energy Materials, 2018, 1, 1823-1827.	2.5	30
17	Auâ€“Ge and Agâ€“Ge Heterodimers with Tunable Domain Sizes: A Supersaturation-Precipitation Route to Colloidal Hybrid Nanoparticles. Chemistry of Materials, 2013, 25, 4304-4311.	3.2	29
18	Colloidal Hybrid Nanoparticle Insertion Reaction for Transforming Heterodimers into Heterotrimers. Journal of the American Chemical Society, 2015, 137, 12514-12517.	6.6	29

#	Article	IF	Citations
19	Ptâ€“Au Nanoparticle Heterodimers as Seeds for Ptâ€“Auâ€“Metal Sulfide Heterotrimers: Thermal Stability and Chemoselective Growth Characteristics. Journal of Physical Chemistry C, 2015, 119, 8952-8959.	1.5	23
20	Lowâ€Temperature Solution Synthesis of Fewâ€Layer 1Tâ€‰â€²â€MoTe 2 Nanostructures Exhibiting Lattice Compression. Angewandte Chemie, 2016, 128, 2880-2884.	1.6	22
21	Vapor-fed electrolysis of water using earth-abundant catalysts in Nafion or in bipolar Nafion/poly(benzimidazolium) membranes. Sustainable Energy and Fuels, 2019, 3, 3611-3626.	2.5	14
22	Cathodic NH₄⁺ leaching of nitrogen impurities in CoMo thin-film electrodes in aqueous acidic solutions. Sustainable Energy and Fuels, 2020, 4, 5080-5087.	2.5	14