Sibin Duan

List of Publications by Year
in descending order

16 papers	494 citations	759233 12 h-index	940533 16 g-index
16 all docs	16 docs citations	16 times ranked	894 citing authors

#	Article	IF	Citations
1	Constructing the Auâ€“CoNi2S4 coreâ€“shell heterostructure to promote the catalytic performance for oxygen evolution. Journal Physics D: Applied Physics, 2021, 54, 425501.	2.8	1
2	Interface control and catalytic performances of Au-NiS heterostructures. Chemical Engineering Journal, 2020, 382, 122794.	12.7	20
3	Structure design, controllable synthesis, and application of metal-semiconductor heterostructure nanoparticles. Progress in Natural Science: Materials International, 2020, 30, 1-12.	4.4	36
4	Enhanced OER Performances of Au@NiCo2S4 Core-Shell Heterostructure. Nanomaterials, 2020, 10, 611.	4.1	18
5	Remarkable active-site dependent H2O promoting effect in CO oxidation. Nature Communications, 2019, 10, 3824.	12.8	96
6	Au@Co₂P core/shell nanoparticles as a nano-electrocatalyst for enhancing the oxygen evolution reaction. RSC Advances, 2019, 9, 40811-40818.	3.6	7
7	Stability investigation of a high number density Pt₁/Fe₂O₃ single-atom catalyst under different gas environments by HAADF-STEM. Nanotechnology, 2018, 29, 204002.	2.6	83
8	Nanostructure Optimization of Platinum-Based Nanomaterials for Catalytic Applications. Nanomaterials, 2018, 8, 949.	4.1	40
9	Pdâ€“Zn nanocrystals for highly efficient formic acid oxidation. Catalysis Science and Technology, 2018, 8, 4757-4765.	4.1	18
10	Au/Ni12P5 core/shell single-crystal nanoparticles as oxygen evolution reaction catalyst. Nano Research, 2017, 10, 3103-3112.	10.4	48
11	The Stability of High Metal-Loading Pt1/Fe2O3 Single-Atom Catalyst Under Different Gas Environment. Microscopy and Microanalysis, 2017, 23, 1898-1899.	0.4	1
12	Imaging at the Single-Atom Level in Closed-Cell In Situ Gas Reactions. Microscopy and Microanalysis, 2016, 22, 876-877.	0.4	3
13	Catalysis by Supported Single Metal Atoms. Microscopy and Microanalysis, 2016, 22, 860-861.	0.4	12
14	From channeled to hollow CoO octahedra: controlled growth, structural evolution and energetic applications. CrystEngComm, 2016, 18, 6849-6859.	2.6	22
15	Electrode dependence of resistive switching in Au/Niâ€“Au nanoparticle devices. RSC Advances, 2014, 4, 40924-40929.	3.6	13
16	Au/Ni12P5 core/shell nanocrystals from bimetallic heterostructures: in situ synthesis, evolution and supercapacitor properties. NPG Asia Materials, 2014, 6, e122-e122.	7.9	76