

Sibin Duan

List of Publications by Year in descending order

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16
papers

494
citations

759233

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940533

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docs citations

16
times ranked

894
citing authors

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