

Jaemyung Kim

List of Publications by Year in descending order

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395
citing authors

#	ARTICLE	IF	CITATIONS
1	On the electronic structure and hydrogen evolution reaction activity of platinum group metal-based high-entropy-alloy nanoparticles. <i>Chemical Science</i> , 2020, 11, 12731-12736.	7.4	142
2	Efficient overall water splitting in acid with anisotropic metal nanosheets. <i>Nature Communications</i> , 2021, 12, 1145.	12.8	124
3	Noble-Metal High-Entropy-Alloy Nanoparticles: Atomic-Level Insight into the Electronic Structure. <i>Journal of the American Chemical Society</i> , 2022, 144, 3365-3369.	13.7	94
4	Tuning of structural, optical band gap, and electrical properties of room-temperature-grown epitaxial thin films through the Fe ₂ O ₃ :NiO ratio. <i>Scientific Reports</i> , 2019, 9, 4304.	3.3	31
5	Lattice constant, bond-orientational order, and solid solubility of PdPt bimetallic nanoparticles. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	12
6	Correlation between the electronic/local structure and CO-oxidation activity of Pd _x Ru _{1-x} alloy nanoparticles. <i>Nanoscale Advances</i> , 2019, 1, 546-553.	4.6	12
7	Phonon scattering at the interfaces of epitaxially grown Fe ₂ VAl/W and Fe ₂ VAl/Mo superlattices. <i>Journal of Applied Physics</i> , 2019, 125, 225101.	2.5	12
8	Effects of interfacial structure of Pd-Pt nanoparticles on hydrogen solubility. <i>Journal of Alloys and Compounds</i> , 2019, 791, 1263-1269.	5.5	10
9	Mechanism of Hydrogen Storage and Structural Transformation in Bimetallic Pd-Pt Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 23502-23512.	8.0	9
10	The relationship between crystalline disorder and electronic structure of Pd nanoparticles and their hydrogen storage properties. <i>RSC Advances</i> , 2019, 9, 21311-21317.	3.6	8
11	Momentum-resolved resonant inelastic soft X-ray scattering (qRIXS) endstation at the ALS. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2022, 257, 146897.	1.7	8
12	Hydrogen absorption and diffusion behaviors in cube-shaped palladium nanoparticles revealed by ambient-pressure X-ray photoelectron spectroscopy. <i>Applied Surface Science</i> , 2022, 587, 152797.	6.1	7
13	Polar-axis-oriented epitaxial tetragonal (Bi,K)TiO ₃ films with large remanent polarization deposited below Curie temperature by a hydrothermal method. <i>Applied Physics Letters</i> , 2022, 120, 022903.	3.3	6
14	Phase Control of Solid-Solution Nanoparticles beyond the Phase Diagram for Enhanced Catalytic Properties. <i>ACS Materials Au</i> , 2022, 2, 110-116.	6.0	4
15	Time-resolved X-ray diffraction system for study of Pb(Zr, Ti)O ₃ films under a temporal electric field at BL15XU, SPring-8. <i>Review of Scientific Instruments</i> , 2019, 90, 093001.	1.3	3
16	Investigation of Local Structure and Enhanced Thermal Stability of Ir-Doped PdRu Nanoparticles for Three-Way Catalytic Applications. <i>Journal of Physical Chemistry C</i> , 2021, 125, 20583-20591.	3.1	3
17	Investigation of microstructure and hydrogen absorption properties of bulk immiscible AgRh alloy nanoparticles. <i>Journal of Alloys and Compounds</i> , 2021, 869, 159268.	5.5	2
18	Total x-ray scattering setup for crystalline particles at SPring-8 BL15XU NIMS beamline. <i>Review of Scientific Instruments</i> , 2021, 92, 113905.	1.3	0