Yi-Chi Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8910316/publications.pdf

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17	624	840776 11	940533 16
papers	citations	h-index	g-index

18	18	18	757
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Flexible Multifunctional Triboelectric Nanogenerator Based on MXene/PVA Hydrogel. Advanced Functional Materials, 2021, 31, 2104928.	14.9	259
2	Controlling Reaction Selectivity over Hybrid Plasmonic Nanocatalysts. Nano Letters, 2018, 18, 7289-7297.	9.1	92
3	Ion exchange in atomically thin clays and micas. Nature Materials, 2021, 20, 1677-1682.	27.5	40
4	Au@HgxCd1-xTe core@shell nanorods by sequential aqueous cation exchange for near-infrared photodetectors. Nano Energy, 2019, 57, 57-65.	16.0	38
5	Oleylamine Aging of PtNi Nanoparticles Giving Enhanced Functionality for the Oxygen Reduction Reaction. Nano Letters, 2021, 21, 3989-3996.	9.1	37
6	Tribovoltaic Nanogenerators Based on MXeneâ€“Silicon Heterojunctions for Highly Stable Selfâ€Powered Speed, Displacement, Tension, Oscillation Angle, and Vibration Sensors. Advanced Functional Materials, 2022, 32, .	14.9	32
7	Design-controlled synthesis of IrO₂ sub-monolayers on Au nanoflowers: marrying plasmonic and electrocatalytic properties. Nanoscale, 2020, 12, 12281-12291.	5.6	20
8	Enhanced Spinâ€“Orbit Coupled Photoluminescence of Perovskite CsPbBr₃ Quantum Dots by Piezo-Phototronic Effect. Nano Letters, 2020, 20, 8298-8304.	9.1	19
9	Imaging Three-Dimensional Elemental Inhomogeneity in Ptâ€“Ni Nanoparticles Using Spectroscopic Single Particle Reconstruction. Nano Letters, 2019, 19, 732-738.	9.1	18
10	Characterising porosity in platinum nanoparticles. Nanoscale, 2019, 11, 17791-17799.	5.6	17
11	Correlation of the ratio of metallic to oxide species with activity of PdPt catalysts for methane oxidation. Catalysis Science and Technology, 2020, 10, 1408-1421.	4.1	15
12	Rapid and Low-Temperature Molecular Precursor Approach toward Ternary Layered Metal Chalcogenides and Oxides: Mo_{1â€“x}W_xS₂ and Mo_{1â€“x}W_xO₃ Alloys (0 â‰¤ x â‰¤ 1). Chemistry of Materials, 2020, 32, 7895-7907.	6.7	13
13	Automated Single-Particle Reconstruction of Heterogeneous Inorganic Nanoparticles. Microscopy and Microanalysis, 2020, 26, 1168-1175.	0.4	13
14	Telluride Nanocrystals with Adjustable Amorphous Shell Thickness and Coreâ€“Shell Structure Modulation by Aqueous Cation Exchange. Inorganic Chemistry, 2022, 61, 3989-3996.	4.0	7
15	Automating 3D Imaging of Inorganic Nanoparticles. Microscopy and Microanalysis, 2021, 27, 2864-2866.	0.4	1
16	The effect of post-acquisition data misalignments on the performance of STEM tomography. Ultramicroscopy, 2022, 235, 113498.	1.9	1
17	Three-Dimensional Imaging of Nanoparticle Chemistry Using Spectroscopic Single Particle Reconstruction. Microscopy and Microanalysis, 2019, 25, 400-401.	0.4	0