

Yi-Chi Wang

List of Publications by Year in descending order

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17
papers

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