

# Ruopeng Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

641  
citations

933410

10  
h-index

839512

18  
g-index

21  
all docs

21  
docs citations

21  
times ranked

940  
citing authors

#	ARTICLE	IF	CITATIONS
1	Morphology and Crystal Plane Effects of Nanoscale Ceria on the Activity of CuO/CeO <sub>2</sub> for NO Reduction by CO. ChemCatChem, 2011, 3, 978-989.	3.7	255
2	Effect of CO-pretreatment on the CuO-V <sub>2</sub> O <sub>5</sub> / $\gamma$ -Al <sub>2</sub> O <sub>3</sub> catalyst for NO reduction by CO. Catalysis Science and Technology, 2014, 4, 4416-4425.	4.1	88
3	Direct imaging of short-range order and its impact on deformation in Ti-6Al. Science Advances, 2019, 5, eaax2799.	10.3	86
4	Effect of cobalt precursors on the dispersion, reduction, and CO oxidation of CoO/ $\gamma$ -Al <sub>2</sub> O <sub>3</sub> catalysts calcined in N <sub>2</sub> . Journal of Colloid and Interface Science, 2011, 355, 464-471.	9.4	61
5	H <sub>2</sub> O <sub>2</sub> -Sensitive Upconversion Nanocluster Bomb for Tri-Mode Imaging-Guided Photodynamic Therapy in Deep Tumor Tissue. Advanced Healthcare Materials, 2019, 8, e1900972.	7.6	38
6	Synthesis and intrinsic magnetism of bilayer graphene nanoribbons. Carbon, 2019, 143, 1-7.	10.3	31
7	Nanomechanical actuation from phase transitions in individual VO <sub>2</sub> micro-beams. Applied Physics Letters, 2013, 102, .	3.3	17
8	Functional Materials Under Stress: In Situ TEM Observations of Structural Evolution. Advanced Materials, 2020, 32, e1906105.	21.0	17
9	Ferroelectric Hf <sub>0.5</sub> Zr <sub>0.5</sub> O <sub>2</sub> thin films deposited epitaxially on (110)-oriented SrTiO <sub>3</sub> . Applied Physics Letters, 2021, 119, .	3.3	17
10	Thermal Stability Enhancement in Epitaxial Alpha Tin Films by Strain Engineering. Advanced Engineering Materials, 2019, 21, 1900410.	3.5	16
11	Direct Observation of SRO effect of Ti-6Al Alloy Using Energy-filtered TEM and Scanning Nanobeam Electron Diffraction, Microscopy and Microanalysis, 2018, 24, 210-211.	0.4	3
12	Wafer-Scale and Topologically Nontrivial $\text{SnSb}$ Films Grown on $\text{InSb}$		

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19	The <i>In Situ</i> Lattice Distortion Study on Relaxor PMN-PT Single-Crystal Under External Loading. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 6210-6215.	0.9	0
20	Probing Mobile-point-defect-mediated Nanodomain Evolutions in Ferroelastic-ferroelectrics Under High Stress with In-situ TEM. <i>Microscopy and Microanalysis</i> , 2020, 26, 2418-2419.	0.4	0
21	A strain-driven thermotropic phase boundary in BaTiO <sub>3</sub> at room temperature by cycling compression. <i>AIP Advances</i> , 2021, 11, 115122.	1.3	0