

Debangshu Mukherjee

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7390338/publications.pdf>

Version: 2024-02-01

24
papers

509
citations

1163117

8
h-index

940533

16
g-index

25
all docs

25
docs citations

25
times ranked

1324
citing authors

#	ARTICLE	IF	CITATIONS
1	Freestanding van der Waals Heterostructures of Graphene and Transition Metal Dichalcogenides. ACS Nano, 2015, 9, 4882-4890.	14.6	157
2	Wafer-scale growth of VO ₂ thin films using a combinatorial approach. Nature Communications, 2015, 6, 8475.	12.8	117
3	Lattice Strain Measurement of Core@Shell Electrocatalysts with 4D Scanning Transmission Electron Microscopy Nanobeam Electron Diffraction. ACS Catalysis, 2020, 10, 5529-5541.	11.2	39
4	Growth of metallic delafossite PdCo_2O_7 by molecular beam epitaxy. Physical Review Materials, 2019, 3, .	2.4	35
5	Polar Oxides without Inversion Symmetry through Vacancy and Chemical Order. Journal of the American Chemical Society, 2017, 139, 2833-2841.	13.7	34
6	Pt-Ligand single-atom catalysts: tuning activity by oxide support defect density. Catalysis Science and Technology, 2020, 10, 3353-3365.	4.1	28
7	26.5 Terahertz electrically triggered RF switch on epitaxial VO ₂ -on-Sapphire (VOS) wafer. , 2015, , .		24
8	Applying Configurational Complexity to the 2D Ruddlesden-Popper Crystal Structure. ACS Nano, 2020, 14, 13030-13037.	14.6	21
9	mpfit: a robust method for fitting atomic resolution images with multiple Gaussian peaks. Advanced Structural and Chemical Imaging, 2020, 6, .	4.0	18
10	Influence of foreign Fe ions on wet chemical synthesis of Pt nanoparticle thin films at ambient temperature: in situ versus direct addition. Journal of Materials Chemistry, 2009, 19, 6810.	6.7	10
11	Atomic-scale measurement of polar entropy. Physical Review B, 2019, 100, .	3.2	7
12	Aberration Corrected STEM Imaging of Domain Walls in Congruent LiNbO ₃ . Microscopy and Microanalysis, 2016, 22, 914-915.	0.4	5
13	Strong spin-dephasing in a topological insulator-paramagnet heterostructure. APL Materials, 2020, 8, .	5.1	4
14	STEMTool: An Open Source Python Toolkit for Analyzing Electron Microscopy Datasets. Microscopy and Microanalysis, 2020, 26, 2960-2962.	0.4	4
15	Effective reduction of PdCo_2O_7 thin films via hydrogenation and sign tunable anomalous Hall effect. Physical Review Materials, 2021, 5, .	2.4	3
16	Building an edge computing infrastructure for rapid multi-dimensional electron microscopy. Microscopy and Microanalysis, 2021, 27, 56-57.	0.4	2
17	Asymmetry and 4D-STEM: When the Phase Object Approximation Is Qualitatively Incorrect. Microscopy and Microanalysis, 2020, 26, 1910-1911.	0.4	1
18	Statistical Measurement of Polar Displacements in Complex Oxides. Microscopy and Microanalysis, 2017, 23, 1660-1661.	0.4	0

#	ARTICLE	IF	CITATIONS
19	High Resolution S/TEM Imaging of High Density Domain Stacking and Coexisting Polar-nonpolar Phases in Layered Perovskite Ca ₃ Mn ₂ O ₇ . Microscopy and Microanalysis, 2018, 24, 1916-1917.	0.4	0
20	4D-STEM Differential Phase Contrast Microscopy Across Ferroelectric Domain Walls. Microscopy and Microanalysis, 2018, 24, 228-229.	0.4	0
21	High Resolution S/Transmission Electron Microscopy Investigation of Ca ₃ Mn ₂ O ₇ Phase Transformation under In-situ Heating Condition. Microscopy and Microanalysis, 2019, 25, 1876-1877.	0.4	0
22	Investigation of Strain in Core@shell Electrocatalysts with ADF-STEM and 4D STEM Scanning Nanodiffraction. Microscopy and Microanalysis, 2019, 25, 1980-1981.	0.4	0
23	Oxygen Annealing Driven Structural Evolution in PdCoO ₂ Films Through Electron Microscopy. Microscopy and Microanalysis, 2020, 26, 612-613.	0.4	0
24	Quantifying the projected unit cell size variation of off-axis PtCo catalyst nanoparticles through 4D-STEM. Microscopy and Microanalysis, 2021, 27, 1440-1442.	0.4	0