

Jae Hyuck Jang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6766035/publications.pdf>

Version: 2024-02-01

12
papers

321
citations

1163117

8
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

677
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>In Situ</i> Observation of Oxygen Vacancy Dynamics and Ordering in the Epitaxial LaCoO ₃ System. ACS Nano, 2017, 11, 6942-6949.	14.6	89
2	Highly enhanced ferroelectricity in HfO ₂ -based ferroelectric thin film by light ion bombardment. Science, 2022, 376, 731-738.	12.6	58
3	Field-Effect Device Using Quasi-Two-Dimensional Electron Gas in Mass-Produced Atomic-Layer-Deposited Al ₂ O ₃ /TiO ₂ Ultrathin (<10 nm) Film Heterostructures. ACS Nano, 2018, 12, 10403-10409.	14.6	46
4	Diverse Structural Conversion and Aggregation Pathways of Alzheimer's Amyloid- β (1-40). ACS Nano, 2019, 13, 8766-8783.	14.6	33
5	Material structure, properties, and dynamics through scanning transmission electron microscopy. Journal of Analytical Science and Technology, 2018, 9, 11.	2.1	30
6	In Situ Observation of Two-Dimensional Electron Gas Creation at the Interface of an Atomic Layer-Deposited Al ₂ O ₃ /TiO ₂ Thin-Film Heterostructure. Chemistry of Materials, 2020, 32, 7662-7669.	6.7	29
7	Uncovering Structure-Properties Relations in Fuel Cells and Catalysts with Quantitative Aberration-Corrected STEM and EELS. Microscopy and Microanalysis, 2014, 20, 484-485.	0.4	13
8	Indium-Free Amorphous CaAlO Thin Film as a Transparent Conducting Oxide. Chemistry of Materials, 2019, 31, 8019-8025.	6.7	9
9	Data Mining of Heterogeneous Electrical Conduction in the Electrode Components of Fuel Cells. ACS Applied Materials & Interfaces, 2020, 12, 23576-23583.	8.0	5
10	Black Si Photocathode with a Conformal and Amorphous MoS _x Catalytic Layer Grown Using Atomic Layer Deposition for Photoelectrochemical Hydrogen Evolution. ACS Applied Materials & Interfaces, 2022, 14, 14137-14145.	8.0	4
11	Octahedral Symmetry Modification Induced Orbital Occupancy Variation in VO ₂ . Journal of Physical Chemistry Letters, 2022, 13, 75-82.	4.6	3
12	Oxygen point defect stabilized metastable M ₃ phase VO ₂ films. Applied Materials Today, 2022, 27, 101474.	4.3	2