

# Jae Hyuck Jang

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

321  
citations

1163117

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1199594

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#	ARTICLE	IF	CITATIONS
1	Black Si Photocathode with a Conformal and Amorphous MoS <sub>x</sub> Catalytic Layer Grown Using Atomic Layer Deposition for Photoelectrochemical Hydrogen Evolution. ACS Applied Materials & Interfaces, 2022, 14, 14137-14145.	8.0	4
2	Octahedral Symmetry Modification Induced Orbital Occupancy Variation in VO <sub>2</sub> . Journal of Physical Chemistry Letters, 2022, 13, 75-82.	4.6	3
3	Oxygen point defect stabilized metastable M3 $\phi$ phase VO <sub>2</sub> films. Applied Materials Today, 2022, 27, 101474.	4.3	2
4	Highly enhanced ferroelectricity in HfO <sub>2</sub> -based ferroelectric thin film by light ion bombardment. Science, 2022, 376, 731-738.	12.6	58
5	In Situ Observation of Two-Dimensional Electron Gas Creation at the Interface of an Atomic Layer-Deposited Al <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> Thin-Film Heterostructure. Chemistry of Materials, 2020, 32, 7662-7669.	6.7	29
6	Data Mining of Heterogeneous Electrical Conduction in the Electrode Components of Fuel Cells. ACS Applied Materials & Interfaces, 2020, 12, 23576-23583.	8.0	5
7	Diverse Structural Conversion and Aggregation Pathways of Alzheimer's Amyloid- $\beta$ (1-40). ACS Nano, 2019, 13, 8766-8783.	14.6	33
8	Indium-Free Amorphous Ca $\phi$ Al $\phi$ O Thin Film as a Transparent Conducting Oxide. Chemistry of Materials, 2019, 31, 8019-8025.	6.7	9
9	Material structure, properties, and dynamics through scanning transmission electron microscopy. Journal of Analytical Science and Technology, 2018, 9, 11.	2.1	30
10	Field-Effect Device Using Quasi-Two-Dimensional Electron Gas in Mass-Produced Atomic-Layer-Deposited Al <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> Ultrathin (<10 nm) Film Heterostructures. ACS Nano, 2018, 12, 10403-10409.	14.6	46
11	In Situ Observation of Oxygen Vacancy Dynamics and Ordering in the Epitaxial LaCoO <sub>3</sub> System. ACS Nano, 2017, 11, 6942-6949.	14.6	89
12	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