Sungsu Kang

List of Publications by Year
in descending order

15 papers	251 citations	1307594 7 h-index	1199594 12 g-index
15 all docs	15 docs citations	15 times ranked	258 citing authors

#	Article	IF	Citations
1	Aggregation of CeO₂ particles with aligned grains drives sintering of Pt single atoms in Pt/CeO₂ catalysts. Journal of Materials Chemistry A, 2022, 10, 7029-7035.	10.3	2
2	Fabrication of Micro-Patterned Chip with Controlled Thickness for High-Throughput Cryogenic Electron Microscopy. Journal of Visualized Experiments, 2022, , .	0.3	0
3	Liquid-Phase Transmission Electron Microscopy for Reliable In Situ Imaging of Nanomaterials. Annual Review of Chemical and Biomolecular Engineering, 2022, 13, 167-191.	6.8	6
4	Coalescence dynamics of platinum group metal nanoparticles revealed by liquid-phase transmission electron microscopy. IScience, 2022, 25, 104699.	4.1	1
5	Reversible disorder-order transitions in atomic crystal nucleation. Science, 2021, 371, 498-503.	12.6	117
6	Uniform synthesis of palladium species confined in a small-pore zeolite via full ion-exchange investigated by cryogenic electron microscopy. Journal of Materials Chemistry A, 2021, 9, 19796-19806.	10.3	15
7	Rapid Access to Ordered Mesoporous Carbons for Chemical Hydrogen Storage. Angewandte Chemie, 2021, 133, 22652-22660.	2.0	6
8	Rapid Access to Ordered Mesoporous Carbons for Chemical Hydrogen Storage. Angewandte Chemie - International Edition, 2021, 60, 22478-22486.	13.8	31
9	Singleâ€Phase Formation of Rh₂O₃ Nanoparticles on hâ€BN Support for Highly Controlled Methane Partial Oxidation to Syngas. Angewandte Chemie - International Edition, 2021, 60, 25411-25418.	13.8	17
10	Graphene Oxideâ€Supported Microwell Grids for Preparing Cryoâ€EM Samples with Controlled Ice Thickness. Advanced Materials, 2021, 33, e2102991.	21.0	1
11	Singleâ€phase formation of Rh2O3 nanoparticles on hâ€BN support for highly controlled methane partial oxidation to syngas. Angewandte Chemie, 2021, 133, 25615.	2.0	0
12	Real-space imaging of nanoparticle transport and interaction dynamics by graphene liquid cell TEM. Science Advances, 2021, 7, eabi5419.	10.3	13
13	Ligand-Dependent Coalescence Behaviors of Gold Nanoparticles Studied by Multichamber Graphene Liquid Cell Transmission Electron Microscopy. Nano Letters, 2020, 20, 8704-8710.	9.1	15
14	A Largeâ€Scale Array of Ordered Grapheneâ€Sandwiched Chambers for Quantitative Liquidâ€Phase Transmission Electron Microscopy. Advanced Materials, 2020, 32, e2002889.	21.0	19
15	Conformation Dynamics of Single Polymer Strands in Solution. Advanced Materials, 0, , 2202353.	21.0	8