

Dennis S Kim

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

872
citations

759233

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940533

16
g-index

21
all docs

21
docs citations

21
times ranked

1300
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional atomic packing in amorphous solids with liquid-like structure. Nature Materials, 2022, 21, 95-102.	27.5	44
2	The Influence of Cr-Additives on the Polarization Resistance of Praseodymium-Doped Ceria Cathodes for Solid Oxide Fuel Cells. Journal of the Electrochemical Society, 2022, 169, 044530.	2.9	3
3	Thermal expansion and phonon anharmonicity of cuprite studied by inelastic neutron scattering and <i>ab initio</i> calculations. Physical Review B, 2022, 105, .	3.2	5
4	Determining the three-dimensional atomic structure of an amorphous solid. Nature, 2021, 592, 60-64.	27.8	193
5	Capturing 3D atomic defects and phonon localization at the 2D heterostructure interface. Science Advances, 2021, 7, eabi6699.	10.3	13
6	Ptychographic atomic electron tomography: Towards three-dimensional imaging of individual light atoms in materials. Physical Review B, 2020, 102, .	3.2	14
7	Temperature-dependent phonon lifetimes and thermal conductivity of silicon by inelastic neutron scattering and <i>ab initio</i> calculations. Physical Review B, 2020, 102, .	3.2	18
8	Correlating the three-dimensional atomic defects and electronic properties of two-dimensional transition metal dichalcogenides. Nature Materials, 2020, 19, 867-873.	27.5	96
9	3D Structure Determination of Pt-based Nanocatalysts at Atomic Resolution. Microscopy and Microanalysis, 2019, 25, 398-399.	0.4	0
10	Determining the 3D Atomic Coordinates and Crystal Defects in 2D Materials with Picometer Precision. Microscopy and Microanalysis, 2019, 25, 404-405.	0.4	1
11	4D Atomic Electron Tomography. Microscopy and Microanalysis, 2019, 25, 1814-1815.	0.4	0
12	Observing crystal nucleation in four dimensions using atomic electron tomography. Nature, 2019, 570, 500-503.	27.8	219
13	Nuclear quantum effect with pure anharmonicity and the anomalous thermal expansion of silicon. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1992-1997.	7.1	68
14	Atomic Electron Tomography: Adding a New Dimension to See Single Atoms in Materials. Microscopy and Microanalysis, 2018, 24, 558-559.	0.4	0
15	Temperature dependence of phonons in FeGe ₂ . Physical Review Materials, 2018, 2, .	2.4	9
16	Separating the configurational and vibrational entropy contributions in metallic glasses. Nature Physics, 2017, 13, 900-905.	16.7	83
17	Phonon quarticity induced by changes in phonon-tracked hybridization during lattice expansion and its stabilization of rutile TiO_2 . Physical Review B, 2015, 92, .	3.2	16
18	Phonon anharmonicity in silicon from 100 to 1500 K. Physical Review B, 2015, 91, .	3.2	47

#	ARTICLE	IF	CITATIONS
19	Intrinsic exciton transitions in GaN. Journal of Applied Physics, 1998, 83, 455-461.	2.5	43