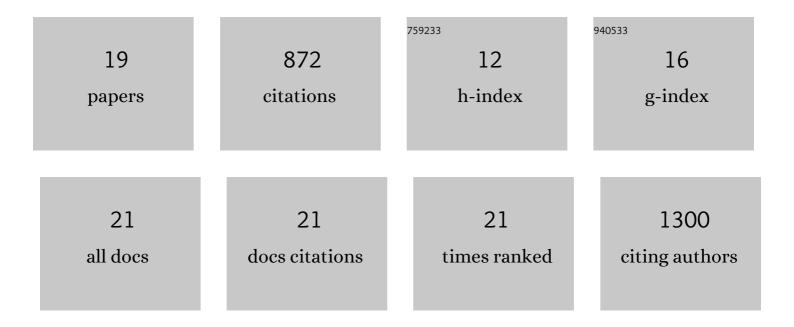
Dennis S Kim

List of Publications by Year in descending order

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DENNIS S KIM

| # | 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 FeGe2. 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 <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>TiO</mml:mi><mml:mn>2Physical Review B. 2015. 92</mml:mn></mml:msub></mml:math> | nn ^{3.} ₹/mml | :msub> |
| 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 |