

Ce Sun

List of Publications by Year in descending order

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29
papers

1,322
citations

516681

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citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Luminescent Gold Nanoparticles with Mixed Valence States Generated from Dissociation of Polymeric Au(I) Thiolates. <i>Journal of Physical Chemistry C</i> , 2010, 114, 7727-7732. | 3.1 | 277 |
| 2 | Direct Synthesis of van der Waals Solids. <i>ACS Nano</i> , 2014, 8, 3715-3723. | 14.6 | 253 |
| 3 | Zero Thermal Expansion in PbTiO_3 -Based Perovskites. <i>Journal of the American Chemical Society</i> , 2008, 130, 1144-1145. | 13.7 | 183 |
| 4 | Rapid Synthesis of Multiferroic BiFeO_3 Single-Crystalline Nanostructures. <i>Chemistry of Materials</i> , 2007, 19, 3598-3600. | 6.7 | 141 |
| 5 | Hydrothermal Synthesis of Single Crystalline (K,Na) NbO_3 Powders. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 1884-1888. | 2.0 | 66 |
| 6 | BiScO_3 Doped ($\text{Na}_{0.5}\text{K}_{0.5}$) NbO_3 Lead-Free Piezoelectric Ceramics. <i>Journal of the American Ceramic Society</i> , 2009, 92, 130-132. | 3.8 | 54 |
| 7 | Nucleation and growth mechanisms of interfacial Al_4C_3 in Al/diamond composites. <i>Journal of Alloys and Compounds</i> , 2016, 657, 81-89. | 5.5 | 46 |
| 8 | Effects of Li Substitution on the Structure and Ferroelectricity of (Na,K) NbO_3 . <i>Journal of the American Ceramic Society</i> , 2009, 92, 3033-3036. | 3.8 | 38 |
| 9 | Atomic and electronic structure of Lomer dislocations at CdTe bicrystal interface. <i>Scientific Reports</i> , 2016, 6, 27009. | 3.3 | 35 |
| 10 | High spontaneous polarization in PbTiO_3 - BiMeO_3 systems with enhanced tetragonality. <i>Applied Physics Letters</i> , 2007, 91, 171907. | 3.3 | 34 |
| 11 | Atomic scale study of polar Lomer-Cottrell and Hirth lock dislocation cores in CdTe. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2014, 70, 524-531. | 0.1 | 31 |
| 12 | Structure and Shape Evolution of $\text{Bi}_{1-x}\text{La}_x\text{FeO}_3$ Perovskite Microcrystals by Molten Salt Synthesis. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, NA-NA. | 2.0 | 26 |
| 13 | Creating a single twin boundary between two CdTe (111) wafers with controlled rotation angle by wafer bonding. <i>Applied Physics Letters</i> , 2013, 103, . | 3.3 | 21 |
| 14 | Effect of BiScO_3 and LiNbO_3 on the Piezoelectric Properties of ($\text{Na}_{0.5}\text{K}_{0.5}$) NbO_3 Ceramics. <i>Journal of the American Ceramic Society</i> , 2009, 92, 1853-1855. | 3.8 | 18 |
| 15 | Structure and negative thermal expansion of $\text{Pb}_{1-x}\text{Bi}_x\text{TiO}_3$. <i>Materials Letters</i> , 2008, 62, 4585-4587. | 2.6 | 17 |
| 16 | Ferroelectric and ferromagnetic properties of $\text{Pb}(\text{Ti}_{0.8}\text{Fe}_{0.2})\text{O}_3$ thin film. <i>Dalton Transactions</i> , 2010, 39, 9952. | 3.3 | 17 |
| 17 | Negative thermal expansion in the $\text{PbTi}_{1-x}\text{Fe}_x\text{O}_3$ system. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 2520-2523. | 1.5 | 14 |
| 18 | Effects of Al substitution on the spontaneous polarization and lattice dynamics of the $\text{PbTi}_{1-x}\text{Al}_x\text{O}_3$. <i>Dalton Transactions</i> , 2010, 39, 5183. | 3.3 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | B-site Dopant Effect on the Thermal Expansion in the $(1-x)PbTiO_3-xBiMeO_3$ Solid Solution ($Me = Ti, Fe, Co, Ni, Mn$) 3600-3603. | 3.8 | 12 |
| 20 | Stabilization of a monolayer tellurene phase at CdTe interfaces. <i>Nanoscale</i> , 2019, 11, 14698-14706. | 5.6 | 10 |
| 21 | Electrical transport characterization of Al and Sn doped Mg_2Si thin films. <i>Journal of Alloys and Compounds</i> , 2017, 720, 156-160. | 5.5 | 6 |
| 22 | Atomistic simulations of grain boundaries in CdTe. , 2015, , . | | 3 |
| 23 | Multiferroics and electronic structure of $(1-x)PbTiO_3-xBi(Ni_{1/2}Ti_{1/2})O_3$ thin films. <i>Thin Solid Films</i> , 2013, 542, 155-159. | 1.8 | 2 |
| 24 | Creation and analysis of atomic structures for CdTe bi-crystal interfaces by the grain boundary genie. , 2015, , . | | 2 |
| 25 | Efficient CdTe photovoltaics by co-passivating grain boundaries. , 2018, , . | | 2 |
| 26 | Creating Single Boundary between Two CdTe (111) Wafers with Controlled Orientation by Wafer Bonding. <i>Microscopy and Microanalysis</i> , 2014, 20, 516-517. | 0.4 | 1 |
| 27 | Leveraging First Principles Modeling and Machine Learning for Microscopy Data Inversion. <i>Microscopy and Microanalysis</i> , 2017, 23, 178-179. | 0.4 | 1 |
| 28 | Amorphous Structure and Stability of Mn Implanted GeC Ferromagnetic Semiconductor. <i>Microscopy and Microanalysis</i> , 2009, 15, 1216-1217. | 0.4 | 0 |
| 29 | Computational Design of Dopants in CdTe Grain Boundaries for Efficient Photovoltaics. , 2017, , . | | 0 |