

Hyung Joon Kim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11077304/publications.pdf>

Version: 2024-02-01

18
papers

1,342
citations

759233

12
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

1444
citing authors

#	ARTICLE	IF	CITATIONS
1	High Mobility in a Stable Transparent Perovskite Oxide. Applied Physics Express, 2012, 5, 061102.	2.4	338
2	Physical properties of transparent perovskite oxides $(\text{Ba,L a})\text{SnO}_3$ with high electrical mobility at room temperature. Physical Review B, 2012, 86, .	3.2	264
3	Electric Field Control of Nonvolatile Four-State Magnetization at Room Temperature. Physical Review Letters, 2012, 108, 177201.	7.8	156
4	High-Mobility Bismuth-based Transparent <i>p</i> -Type Oxide from High-Throughput Material Screening. Chemistry of Materials, 2016, 28, 30-34.	6.7	118
5	Transparent Perovskite Barium Stannate with High Electron Mobility and Thermal Stability. Annual Review of Materials Research, 2017, 47, 391-423.	9.3	107
6	Large effects of dislocations on high mobility of epitaxial perovskite $\text{Ba}_{0.96}\text{La}_{0.04}\text{SnO}_3$ films. Applied Physics Letters, 2013, 102, 252105.	3.3	82
7	Enhanced electron mobility in epitaxial $(\text{Ba,L a})\text{SnO}_3$ films on $\text{BaSnO}_3(001)$ substrates. Applied Physics Letters, 2016, 108, .	3.3	69
8	Dopant-site-dependent scattering by dislocations in epitaxial films of perovskite semiconductor BaSnO_3 . APL Materials, 2014, 2, .	5.1	61
9	Indications of strong neutral impurity scattering in $\text{Ba}(\text{Sn,Sb})\text{O}_3$ single crystals. Physical Review B, 2013, 88, .	3.2	48
10	Oxygen diffusion process in a $\text{Ba}_{0.96}\text{La}_{0.04}\text{SnO}_3$ thin film on $\text{SrTiO}_3(001)$ substrate as investigated by time-dependent Hall effect measurements. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 1487-1493.	1.8	27
11	Electromagnon with Sensitive Terahertz Magneto-chromism in a Room-Temperature Magnetoelectric Hexaferrite. Physical Review Letters, 2018, 120, 027202.	7.8	19
12	Single crystal growth and optical properties of a transparent perovskite oxide LaInO_3 . Journal of Applied Physics, 2017, 121, 125109.	2.5	15
13	Determination of temperature-dependent thermal conductivity of a BaSnO_3 single crystal by using the $3\bar{\nu}$ method. Thermochemica Acta, 2014, 585, 16-20.	2.7	12
14	Realization of an atomically flat $\text{BaSnO}_3(001)$ substrate with SnO_2 termination. Applied Physics Letters, 2017, 111, .	3.3	11
15	A new heat capacity measurement scheme based on the scanning relaxation method for the Si^{14}N membrane microcalorimeter at high temperatures up to 700K. Thermochemica Acta, 2009, 492, 79-84.	2.7	5
16	New design of a microcalorimeter for measuring absolute heat capacity from 300 to 550K. Thermochemica Acta, 2015, 603, 244-252.	2.7	4
17	Enhanced accuracy in a silicon-nitride-membrane-based microcalorimeter with variation of lateral layout. Thermochemica Acta, 2009, 490, 1-7.	2.7	3
18	Nonlinear transport below TC for lateral nanoconstrictions realized in a 100nm GaMnAs epilayer. Applied Physics Letters, 2007, 91, 122514.	3.3	2