

Hyung Joon Kim

List of Publications by Year in descending order

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