Hidetoshi Kizaki

List of Publications by Year in Descending Order

15 papers	167 citations	9 h-index	12 g-index
16 ext. papers	178 ext. citations	2.1 avg, IF	2.75 L-index

#	Paper	IF	Citations
15	Epitaxial growth and characterization of Cr-doped ZnSnAs2thin films on InP substrates. *Japanese Journal of Applied Physics*, **2020**, 59, 030601	1.4	1
14	First-principles theoretical study on carrier doping effects induced by Zn vacancies in Mn-doped in ZnSnAs2. *Japanese Journal of Applied Physics*, **2019**, 58, 110601	1.4	0
13	Mechanistic Analysis of Oxygen Vacancy Formation and Ionic Transport in Sr3Fe2O7□*Journal of Physical Chemistry C*, **2018**, 122, 4172-4181	3.8	12
12	First-principles study of ZnSnAs2-based dilute magnetic semiconductors. *Japanese Journal of Applied Physics*, **2018**, 57, 020306	1.4	11
11	First-principles investigation on the segregation of Pd at LaFe1-xPdxO3-y surfaces. *Nanoscale Research Letters*, **2013**, 8, 203	5	15
10	Spinodal nano decomposition in perovskite three-way catalysts: First-principles calculations and Monte Carlo simulations. *Chemical Physics Letters*, **2013**, 579, 85-89	2.5	7
9	DFT-GGA study of NO adsorption on the LaO (001) surface of LaFeO3. *Surface Science*, **2012**, 606, 337-343	1.8	17
8	Ab-initio study of Sr-doping effects on nitric oxide adsorption on the LaO (001) surface of LaFeO3. *Surface Science*, **2012**, 606, 1783-1789	1.8	2
7	First-Principles Study on Electronic Structure and Spin State of Rutile (Ti,Co)O2by Self-Interaction-Corrected Local Density Approximation: Role of Oxygen Vacancy. *Applied Physics Express*, **2009**, 2, 053004	2.4	13
6	Generation of Nano-Catalyst Particles by Spinodal Nano-Decomposition in Perovskite. *Applied Physics Express*, **2008**, 1, 104001	2.4	19
5	Materials Design of CuAlO2-Based Dilute Magnetic Semiconductors by First-Principles Calculations and Monte Carlo Simulations. *Japanese Journal of Applied Physics*, **2008**, 47, 6488-6495	1.4	17
4	Chapter 10 Computational Nano-Materials Design for the Wide Band-Gap and High-TC Semiconductor Spintronics. *Semiconductors and Semimetals*, **2008**, 82, 433-454	0.6	2
3	A Microscopic Mechanism of Coulomb Driven Effective Negative Interaction for the High-Temperature Superconductivity. *Journal of the Physical Society of Japan*, **2008**, 77, 109-112	1.5	
2	General Rule and Materials Design of Negative EffectiveUSystem for High-TcSuperconductivity. *Applied Physics Express*, **2008**, 1, 081703	2.4	15
1	First-Principles Materials Design of CuAlO2Based Dilute Magnetic Semiconducting Oxide. *Japanese Journal of Applied Physics*, **2005**, 44, L1187-L1189	1.4	36