

Hidetoshi Kizaki

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

15
papers

167
citations

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h-index

12
g-index

16
ext. papers

178
ext. citations

2.1
avg, IF

2.75
L-index

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