

Hidetoshi Kizaki

List of Publications by Year in descending order

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papers

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docs citations

16
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301
citing authors

#	ARTICLE	IF	CITATIONS
1	First-Principles Materials Design of CuAlO ₂ -Based Dilute Magnetic Semiconducting Oxide. Japanese Journal of Applied Physics, 2005, 44, L1187-L1189.	1.5	37
2	First-principles investigation on the segregation of Pd at LaFe _{1-x} Pd _x O _{3-y} surfaces. Nanoscale Research Letters, 2013, 8, 203.	5.7	25
3	Generation of Nano-Catalyst Particles by Spinodal Nano-Decomposition in Perovskite. Applied Physics Express, 0, 1, 104001.	2.4	21
4	Mechanistic Analysis of Oxygen Vacancy Formation and Ionic Transport in Sr ₃ Fe ₂ O ₇ . Journal of Physical Chemistry C, 2018, 122, 4172-4181.	3.1	20
5	Materials Design of CuAlO ₂ -Based Dilute Magnetic Semiconductors by First-Principles Calculations and Monte Carlo Simulations. Japanese Journal of Applied Physics, 2008, 47, 6488-6495.	1.5	19
6	DFT-GGA study of NO adsorption on the LaO (001) surface of LaFeO ₃ . Surface Science, 2012, 606, 337-343.	1.9	19
7	General Rule and Materials Design of Negative Effective U_c System for High- T_c Superconductivity. Applied Physics Express, 0, 1, 081703.	2.4	16
8	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. Applied Physics Express, 0, 2, 053004.	2.4	14
9	First-principles study of ZnSnAs ₂ -based dilute magnetic semiconductors. Japanese Journal of Applied Physics, 2018, 57, 020306.	1.5	13
10	Spinodal nano decomposition in perovskite three-way catalysts: First-principles calculations and Monte Carlo simulations. Chemical Physics Letters, 2013, 579, 85-89.	2.6	8
11	Ab-initio study of Sr-doping effects on nitric oxide adsorption on the LaO (001) surface of LaFeO ₃ . Surface Science, 2012, 606, 1783-1789.	1.9	5
12	Chapter 10 Computational Nano-Materials Design for the Wide Band-Gap and High- T_c Semiconductor Spintronics. Semiconductors and Semimetals, 2008, 82, 433-454.	0.7	3
13	Epitaxial growth and characterization of Cr-doped ZnSnAs ₂ thin films on InP substrates. Japanese Journal of Applied Physics, 2020, 59, 030601.	1.5	2
14	First-principles theoretical study on carrier doping effects induced by Zn vacancies in Mn-doped in ZnSnAs ₂ . Japanese Journal of Applied Physics, 2019, 58, 110601.	1.5	1
15	Analysis of atomic structure, magnetic ordering, and oxygen diffusion in oxygen deficient Sr ₃ Fe ₂ O ₇ perovskite: Toward rational catalysts design. Physical Review Materials, 2022, 6, .	2.4	1
16	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.	1.6	0