

# Hidetoshi Kizaki

## List of Publications by Year in descending order

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16  
papers

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citations

1307366

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1199470

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docs citations

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times ranked

301  
citing authors

#	ARTICLE	IF	CITATIONS
1	First-Principles Materials Design of CuAlO <sub>2</sub> -Based Dilute Magnetic Semiconducting Oxide. Japanese Journal of Applied Physics, 2005, 44, L1187-L1189.	0.8	37
2	First-principles investigation on the segregation of Pd at LaFe <sub>1-x</sub> Pd <sub>x</sub> O <sub>3-y</sub> surfaces. Nanoscale Research Letters, 2013, 8, 203.	3.1	25
3	Generation of Nano-Catalyst Particles by Spinodal Nano-Decomposition in Perovskite. Applied Physics Express, 0, 1, 104001.	1.1	21
4	Mechanistic Analysis of Oxygen Vacancy Formation and Ionic Transport in Sr <sub>3</sub> Fe <sub>2</sub> O <sub>7</sub> . Journal of Physical Chemistry C, 2018, 122, 4172-4181.	1.5	20
5	Materials Design of CuAlO <sub>2</sub> -Based Dilute Magnetic Semiconductors by First-Principles Calculations and Monte Carlo Simulations. Japanese Journal of Applied Physics, 2008, 47, 6488-6495.	0.8	19
6	DFT-GGA study of NO adsorption on the LaO (001) surface of LaFeO <sub>3</sub> . Surface Science, 2012, 606, 337-343.	0.8	19
7	General Rule and Materials Design of Negative Effective $\chi_U$ System for High- $T_c$ Superconductivity. Applied Physics Express, 0, 1, 081703.	1.1	16
8	First-Principles Study on Electronic Structure and Spin State of Rutile (Ti,Co)O <sub>2</sub> by Self-Interaction-Corrected Local Density Approximation: Role of Oxygen Vacancy. Applied Physics Express, 0, 2, 053004.	1.1	14
9	First-principles study of ZnSnAs <sub>2</sub> -based dilute magnetic semiconductors. Japanese Journal of Applied Physics, 2018, 57, 020306.	0.8	13
10	Spinodal nano decomposition in perovskite three-way catalysts: First-principles calculations and Monte Carlo simulations. Chemical Physics Letters, 2013, 579, 85-89.	1.2	8
11	Ab-initio study of Sr-doping effects on nitric oxide adsorption on the LaO (001) surface of LaFeO <sub>3</sub> . Surface Science, 2012, 606, 1783-1789.	0.8	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.	0.4	3
13	Epitaxial growth and characterization of Cr-doped ZnSnAs <sub>2</sub> thin films on InP substrates. Japanese Journal of Applied Physics, 2020, 59, 030601.	0.8	2
14	First-principles theoretical study on carrier doping effects induced by Zn vacancies in Mn-doped in ZnSnAs <sub>2</sub> . Japanese Journal of Applied Physics, 2019, 58, 110601.	0.8	1
15	Analysis of atomic structure, magnetic ordering, and oxygen diffusion in oxygen deficient Sr <sub>3</sub> Fe <sub>2</sub> O <sub>7</sub> perovskite: Toward rational catalysts design. Physical Review Materials, 2022, 6, .	0.9	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.	0.7	0