

Masaki Kobayashi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7165869/publications.pdf>

Version: 2024-02-01

36
papers

608
citations

687363

13
h-index

610901

24
g-index

36
all docs

36
docs citations

36
times ranked

1054
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic anisotropy of the van der Waals ferromagnet Cr_2S_6 studied by angular-dependent x-ray magnetic circular dichroism. <i>Physical Review Research</i> , 2022, 4, .	2.6	0
2	Chirality-Induced Magnetoresistance Due to Thermally Driven Spin Polarization. <i>Journal of the American Chemical Society</i> , 2022, 144, 7302-7307.	13.7	16
3	Intervalance charge transfer and charge transport in the spinel ferrite ferromagnetic semiconductor Ru-doped $\text{Co}_3\text{Fe}_2\text{O}_8$. <i>Physical Review Applied</i> , 2022, 16, 014002.	3.2	0
4	Magnetic Properties and Electronic Configurations of Mn Ions in the Diluted Magnetic Semiconductor $\text{Ba}_2\text{K}(\text{Zn}_2\text{Mn}_2\text{O}_8)$ Studied by X-ray Magnetic Circular Dichroism and Resonant Inelastic X-ray Scattering. <i>Journal of the Physical Society of Japan</i> , 2022, 91, .	3.2	0
5	Development of magnetism in Fe-doped magnetic semiconductors: Resonant photoemission and x-ray magnetic circular dichroism studies of $(\text{Ga},\text{Fe})\text{As}$. <i>Physical Review B</i> , 2022, 105, .	3.2	1
6	Rhombic Fermi surfaces in a ferromagnetic MnGa thin film with perpendicular magnetic anisotropy. <i>Physical Review Materials</i> , 2022, 6, .	2.4	0
7	Minority-spin impurity band in $\text{n-In}_x\text{Fe}_{1-x}\text{As}$: A materials perspective for ferromagnetic semiconductors. <i>Physical Review B</i> , 2021, 103, .	3.2	9
8	Band Bending of n-GaN under Ambient H_2O Vapor Studied by X-ray Photoelectron Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2021, 125, 9011-9019.	3.1	6
9	Alternation of Magnetic Anisotropy Accompanied by Metal-Insulator Transition in Strained Ultrathin Manganite Heterostructures. <i>Physical Review Applied</i> , 2021, 15, .	3.8	4
10	Ferromagnetism and giant magnetoresistance in zinc-blende FeAs monolayers embedded in semiconductor structures. <i>Nature Communications</i> , 2021, 12, 4201.	12.8	5
11	Improvement of ZnO/Si Heterojunctions With a Coaxial Circular Transmission Line Model Applicable to Both Ohmic and Schottky. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2021, 34, 256-261.	1.7	3
12	Flexoelectric nanodomains in rare-earth iron garnet thin films under strain gradient. <i>Communications Materials</i> , 2021, 2, .	6.9	10
13	Comparative Study of H_2O and O_2 Adsorption on the GaN Surface. <i>Journal of Physical Chemistry C</i> , 2021, 125, 25807-25815.	3.1	5
14	Single-domain perpendicular magnetization induced by the coherent O - Ru hybridized state in an ultra-high-quality SrRuO_3 . <i>Physical Review Applied</i> , 2021, 15, 014002.	2.4	11
15	Direct observation of the magnetic ordering process in the ferromagnetic semiconductor GaMnAs via soft x-ray magnetic circular dichroism. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	8
16	Fabrication of a novel magnetic topological heterostructure and temperature evolution of its massive Dirac cone. <i>Nature Communications</i> , 2020, 11, 4821.	12.8	47
17	Atomistic-Level Description of GaN/Water Interface by a Combined Spectroscopic and First-Principles Computational Approach. <i>Journal of Physical Chemistry C</i> , 2020, 124, 12466-12475.	3.1	6
18	Magnetization process of the insulating ferromagnetic semiconductor $(\text{Al},\text{Fe})\text{Sb}$. <i>Physical Review B</i> , 2020, 101, .	3.2	5

#	ARTICLE	IF	CITATIONS
19	Hybridization between the ligand p band and d band and Evolution of Fe impurity band state as the origin of high Curie temperature in the p -type ferromagnetic semiconductor (Ga,Fe)S. Physical Review B, 2020, 102, .	3.2	16
20	Impurity band state as the origin of high Curie temperature in the p -type ferromagnetic semiconductor (Ga,Fe)S. Physical Review B, 2020, 102, .	3.2	8
21	Formation of magnetic insulator in $CrTe$ epitaxial films. Physical Review Materials, 2020, 4, .	2.1	2
22	Through My Research Life in Switzerland. Vacuum and Surface Science, 2020, 63, 445-446.	0.1	0
23	k-resolved electronic structure of buried heterostructure and impurity systems by soft-X-ray ARPES. Journal of Electron Spectroscopy and Related Phenomena, 2019, 236, 1-8.	1.7	24
24	Coulomb-interaction effect on the two-dimensional electronic structure of the van der Waals ferromagnet Cr_2Cl_2 . Physical Review Letters, 2016, 116, 107203.	3.2	33
25	Magnetization process of the ferromagnetic semiconductor (In,Fe)As:Be studied by x-ray magnetic circular dichroism. Physical Review B, 2016, 93, .	3.2	19
26	Active site formation mechanism of carbon-based oxygen reduction catalysts derived from a hyperbranched iron phthalocyanine polymer. Nanoscale Research Letters, 2015, 10, 179.	5.7	7
27	Soft-X-ray ARPES facility at the ADRESS beamline of the SLS: concepts, technical realisation and scientific applications. Journal of Synchrotron Radiation, 2014, 21, 32-44.	2.4	132
28	Spin and orbital magnetic moments of Fe in the n-type ferromagnetic semiconductor (In,Fe)As. Applied Physics Letters, 2014, 105, 032403.	3.3	7
29	Electronic Excitations of a Magnetic Impurity State in the Diluted Magnetic Semiconductor (Ga,Mn)As. Physical Review Letters, 2014, 112, 107203.	7.8	22
30	Unveiling the impurity band induced ferromagnetism in the magnetic semiconductor (Ga,Mn)As. Physical Review B, 2014, 89, .	3.2	76
31	Digging up bulk band dispersion buried under a passivation layer. Applied Physics Letters, 2012, 101, .	3.3	26
32	10.1063/1.4770289.1. , 2012, , .		0
33	Electronic Structures of Non-Pt Carbon Alloy Catalysts for Polymer Electrolyte Membrane Fuel Cells Revealed by Synchrotron Radiation Analyses. Materials Research Society Symposia Proceedings, 2011, 1318, 1.	0.1	1
34	X-ray Magnetic Circular Dichroism Investigations of the Origin of Room Temperature Ferromagnetism in Fe-Doped ZnO Nanoparticles. Japanese Journal of Applied Physics, 2009, 48, 04C200.	1.5	6
35	Co oxidation accompanied by degradation of Pt-Co alloy cathode catalysts in polymer electrolyte fuel cells. Physical Chemistry Chemical Physics, 2009, 11, 8226.	2.8	22
36	Nature of Magnetic Coupling between Mn Ions in As-Grown $Ga_{1-x}Mn_x$ by X-Ray Magnetic Circular Dichroism. Physical Review Letters, 2008, 100, 247202.	7.8	41