

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	Soft-X-ray ARPES facility at the ADDRESS beamline of the SLS: concepts, technical realisation and scientific applications. Journal of Synchrotron Radiation, 2014, 21, 32-44.	2.4	132
2	Unveiling the impurity band induced ferromagnetism in the magnetic semiconductor (Ga,Mn)As. Physical Review B, 2014, 89, .	3.2	76
3	Fabrication of a novel magnetic topological heterostructure and temperature evolution of its massive Dirac cone. Nature Communications, 2020, 11, 4821.	12.8	47
4	Nature of Magnetic Coupling between Mn Ions in As-Grown $\text{Ga}_{1-x}\text{Mn}_x$ by X-Ray Magnetic Circular Dichroism. Physical Review Letters, 2008, 100, 247202.	7.8	41
5	ferromagnetism in $\text{Ga}_{1-x}\text{Mn}_x$. Physical Review Letters, 2008, 100, 247202.	3.2	33
6	Digging up bulk band dispersion buried under a passivation layer. Applied Physics Letters, 2012, 101, .	3.3	26
7	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
8	Tailoring magnetism in self-intercalated $\text{Te}_{1-x}\text{Cr}_x$ epitaxial films. Physical Review Materials, 2020, 4, .	2.1	23
9	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
10	Electronic Excitations of a Magnetic Impurity State in the Diluted Magnetic Semiconductor (Ga,Mn)As. Physical Review Letters, 2014, 112, 107203.	7.8	22
11	Magnetization process of the $\text{In}_{1-x}\text{Fe}_x$ -type ferromagnetic semiconductor (In,Fe)As:Be studied by x-ray magnetic circular dichroism. Physical Review B, 2016, 93, .	3.2	19
12	Hybridization between the ligand p band and Fe orbitals in the p -type ferromagnetic semiconductor (Ga,Fe)Sb. Physical Review B, 2020, 101, .	3.2	16
13	Chirality-Induced Magnetoresistance Due to Thermally Driven Spin Polarization. Journal of the American Chemical Society, 2022, 144, 7302-7307.	13.7	16
14	Single-domain perpendicular magnetization induced by the coherent $\text{O}_{-2\text{Ru}}$ hybridized state in an ultra-high-quality SrRuO_3 thin film. Physical Review Letters, 2021, 126, 177201.	2.4	11
15	Flexoelectric nanodomains in rare-earth iron garnet thin films under strain gradient. Communications Materials, 2021, 2, .	6.9	10
16	Minority-spin impurity band in $\text{In}_{1-x}\text{Fe}_x$ -type (In,Fe)As: A materials perspective for ferromagnetic semiconductors. Physical Review B, 2021, 103, .	3.2	9
17	Direct observation of the magnetic ordering process in the ferromagnetic semiconductor $\text{Ga}_{1-x}\text{Mn}_x$ As via soft x-ray magnetic circular dichroism. Journal of Applied Physics, 2020, 128, .	2.5	8
18	Evolution of $\text{Fe}_{1-x}\text{Mn}_x$ impurity band state as the origin of high Curie temperature in the p -type ferromagnetic semiconductor (Ga,Fe)Sb. Physical Review B, 2020, 102, .	3.2	8

#	ARTICLE	IF	CITATIONS
19	Magnetic anisotropy of the van der Waals ferromagnet Cr_2N studied by angular-dependent x-ray magnetic circular dichroism. <i>Physical Review Research</i> , 2022, 4, .	3.6	0
20	Spin and orbital magnetic moments of Fe in the n-type ferromagnetic semiconductor (In,Fe)As. <i>Applied Physics Letters</i> , 2014, 105, 032403.	3.3	7
21	Active site formation mechanism of carbon-based oxygen reduction catalysts derived from a hyperbranched iron phthalocyanine polymer. <i>Nanoscale Research Letters</i> , 2015, 10, 179.	5.7	7
22	X-ray Magnetic Circular Dichroism Investigations of the Origin of Room Temperature Ferromagnetism in Fe-Doped ZnO Nanoparticles. <i>Japanese Journal of Applied Physics</i> , 2009, 48, 04C200.	1.5	6
23	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
24	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
25	Magnetization process of the insulating ferromagnetic semiconductor (Al,Fe)Sb. <i>Physical Review B</i> , 2020, 101, .	3.2	5
26	Ferromagnetism and giant magnetoresistance in zinc-blende FeAs monolayers embedded in semiconductor structures. <i>Nature Communications</i> , 2021, 12, 4201.	12.8	5
27	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
28	Alternation of Magnetic Anisotropy Accompanied by Metal-Insulator Transition in Strained Ultrathin Manganite Heterostructures. <i>Physical Review Applied</i> , 2021, 15, .	3.8	4
29	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
30	Electronic Structures of Non-Pt Carbon Alloy Catalysts for Polymer Electrolyte Membrane Fuel Cells Revealed by Synchrotron Radiation Analyses. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1318, 1.	0.1	1
31	Intervalence charge transfer and charge transport in the spinel ferrite ferromagnetic semiconductor Ru-doped Co_2FeO_4 . <i>Physical Review B</i> , 2022, 105, .		
32	Development of magnetism in Fe-doped magnetic semiconductors: Resonant photoemission and x-ray magnetic circular dichroism studies of (Ga,Fe)As. <i>Physical Review B</i> , 2022, 105, .	3.2	1
33	10.1063/1.4770289.1. , 2012, , .		0
34	Through My Research Life in Switzerland. <i>Vacuum and Surface Science</i> , 2020, 63, 445-446.	0.1	0
35	Magnetic Properties and Electronic Configurations of Mn Ions in the Diluted Magnetic Semiconductor $\text{Ba}_2\text{K}(\text{Zn}_2\text{Mn})\text{O}_8$ Studied by X-ray Magnetic Circular Dichroism and Resonant Inelastic X-ray Scattering. <i>Journal of the Physical Society of Japan</i> , 2022, 91, .		
36	Rhombic Fermi surfaces in a ferromagnetic MnGa thin film with perpendicular magnetic anisotropy. <i>Physical Review Materials</i> , 2022, 6, .	2.4	0