

Katharina Ollefs

List of Publications by Year in descending order

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67
papers

1,675
citations

304368

22
h-index

301761

39
g-index

70
all docs

70
docs citations

70
times ranked

2607
citing authors

#	ARTICLE	IF	CITATIONS
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1	Comprehensive investigation of crystallographic, spin-electronic and magnetic structure of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">		
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#	ARTICLE	IF	CITATIONS
19	Europium Cyclooctatetraene Nanowire Carpets: A Low-Dimensional, Organometallic, and Ferromagnetic Insulator. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 911-917.	2.1	18
20	Local structure and X-ray magnetic circular dichroism of Au in Au-Co nanoalloys. <i>Applied Surface Science</i> , 2018, 433, 596-601.	3.1	8
21	Peculiarities of Disorder-Induced Ferromagnetism Phenomena in Fe ₆₀ A ₄₀ films on a local scale. , 2018, , .		0
22	XMCD studies of magnetic polarization at Mo atoms in CoMo alloy and magnetically coupled Co/Mo multilayers. <i>Journal of Synchrotron Radiation</i> , 2018, 25, 1400-1407.	1.0	6
23	Local probe of irradiation-induced structural changes and orbital magnetism in $\text{Fe}_{60}\text{Al}_{40}$ thin films via an order-disorder phase transition. <i>Physical Review B</i> , 2018, 98, .	1.1	14
24	Hysteresis Design of Magnetocaloric Materialsâ€”From Basic Mechanisms to Applications. <i>Energy Technology</i> , 2018, 6, 1397-1428.	1.8	79
25	Local structure and magnetism of $\text{Co}_{1-x}\text{Zn}_x\text{O}$ in wurtzite Co:ZnO. <i>Physical Review B</i> , 2017, 95, .	1.0	10
26	Engineering the magnetic anisotropy of an ultrathin Co layer sandwiched between films of Mo or Au. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 215004.	1.3	11
27	Magnetic Proximity Effect Free Spin Hall Magnetoresistance in YIGâ€”Pd. <i>Spin</i> , 2017, 07, 1740005.	0.6	4
28	Magnetic and XMCD studies of Pr _{1-x} Sr _x MnO ₃ manganite films. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 428, 43-49.	1.0	6
29	Electronic structure and magnetism of epitaxial Niâ€”Mnâ€”Ga(-Co) thin films with partial disorder: a view across the phase transition. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 465005.	1.3	10
30	The combination of micro-resonators with spatially resolved ferromagnetic resonance. <i>Review of Scientific Instruments</i> , 2017, 88, 093703.	0.6	13
31	Investigating magnetic proximity effects at ferrite/Pt interfaces. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	28
32	[OsF ₆] ^{x-} : Molecular Models for Spinâ€”Orbit Entangled Phenomena. <i>Chemistry - A European Journal</i> , 2017, 23, 11244-11248.	1.7	18
33	Iridates from the molecular side. <i>Nature Communications</i> , 2016, 7, 12195.	5.8	41
34	Coalescence-driven magnetic order of the uncompensated antiferromagnetic Co doped ZnO. <i>Physical Review B</i> , 2016, 94, .	1.1	21
35	Co and Cu co-doped ZnO epitaxial filmsâ€”A magnetically soft nano-composite. <i>Journal of Applied Physics</i> , 2016, 119, .	1.1	4
36	Spin Hall magnetoresistance in a canted ferrimagnet. <i>Physical Review B</i> , 2016, 94, .	1.1	73

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37	X-ray magnetic circular dichroism measured at the FeK-edge with a reduced intrinsic broadening: x-ray absorption spectroscopy versus resonant inelastic x-ray scattering measurements. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 505202.	0.7	3
38	X-ray absorption spectroscopy in electrical fields: An element-selective probe of atomic polarization. <i>Physical Review B</i> , 2016, 93, .	1.1	2
39	Absence of magnetic proximity effects in magnetoresistive $\text{Pt}/\text{CoF}_2/\text{Pt}$ hybrid interfaces. <i>Physical Review B</i> , 2016, 93, .	1.1	35
40	Spin pumping damping and magnetic proximity effect in Pd and Pt spin-sink layers. <i>Physical Review B</i> , 2016, 94, .	1.1	121
41	Electronic and magnetic properties of phosphorus across the first-order ferromagnetic transition of Mn_2P and Mn_2Si magnetocaloric materials. <i>Physical Review B</i> , 2015, 92, .	1.1	14
42	Magnetic ordering in magnetic shape memory alloy Ni-Mn-In-Co. <i>Physical Review B</i> , 2015, 92, .	1.1	14
43	Magnetic interactions in the Zn-Co-O system: tuning local structure, valence and carrier type from extremely Co doped ZnO to ZnCo_2O_4 . <i>Scientific Reports</i> , 2015, 5, 16863.	1.6	23
44	Microwave soft x-ray microscopy for nanoscale magnetization dynamics in the 5–10 GHz frequency range. <i>Review of Scientific Instruments</i> , 2015, 86, 093703.	0.6	38
45	XAS and XMCD studies of magnetic properties modifications of Pt/Co/Au and Pt/Co/Pt trilayers induced by Ga ions irradiation. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 753-759.	1.0	6
46	Toward broad-band x-ray detected ferromagnetic resonance in longitudinal geometry. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	12
47	Role of preparation and implantation-related defects for the magnetic properties of $\text{Zn}_{0.9}\text{Co}_{0.10}$ epitaxial films. <i>Journal of Applied Physics</i> , 2014, 116, 043912.	1.1	1
48	Structure, valence, and magnetism of Co-doped ZnO at the coalescence limit (invited). <i>Journal of Applied Physics</i> , 2014, 115, 172603.	1.1	6
49	X-Ray Linear Dichroism: An Element-Selective Spectroscopic Probe for Local Structural Properties and Valence. <i>Journal of Surfaces and Interfaces of Materials</i> , 2014, 2, 14-23.	0.5	11
50	Effects of the Inhomogeneous Co Doping on the Magnetoresistance of $\text{Zn}_{1-x}\text{Co}_x\text{O}$ Epitaxial Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 1054-1058.	0.9	0
51	Structural and magnetic analysis of epitaxial films of Gd-doped ZnO. <i>Physical Review B</i> , 2012, 85, .	1.1	35
52	Element-Specific Magnetic Hysteresis of Individual 18 nm Fe Nanocubes. <i>Nano Letters</i> , 2011, 11, 1710-1715.	4.5	64
53	Structural, chemical and magnetic properties of secondary phases in Co-doped ZnO. <i>New Journal of Physics</i> , 2011, 13, 103001.	1.2	37
54	Magnetism of Co doped ZnO with Al codoping: Carrier-induced mechanisms versus extrinsic origins. <i>Physical Review B</i> , 2010, 82, .	1.1	40

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55	Observation of the Onset of Magnetic Clustering in Superparamagnetic Zn _{1-x} Co _x O Films. Journal of Superconductivity and Novel Magnetism, 2010, 23, 91-94.	0.8	1
56	Tuning the magnetic properties of films. Journal of Magnetism and Magnetic Materials, 2010, 322, 1232-1234.	1.0	7
57	Gd-doped GaN studied with element specificity: Very small polarization of Ga, paramagnetism of Gd and the formation of magnetic clusters. Journal of Magnetism and Magnetic Materials, 2010, 322, 1162-1166.	1.0	18
58	Influence of the developing magnetic order on the transport properties of epitaxial Zn _{1-x} Co _x O films. Journal of Physics: Conference Series, 2010, 200, 052034.	0.3	4
59	High-Resolution X-Ray Lensless Imaging by Differential Holographic Encoding. Physical Review Letters, 2010, 105, 043901.	2.9	77
60	Anisotropic paramagnetism of Co-doped ZnO epitaxial films. Physical Review B, 2010, 81, .	1.1	46
61	Co-Doped ZnO Epitaxial Films: From a Brillouin-Like Paramagnet to a Phase-Separated Superparamagnetic Ensemble. Journal of Nanoscience and Nanotechnology, 2010, 10, 5958-5963.	0.9	4
62	Advanced spectroscopic synchrotron techniques to unravel the intrinsic properties of dilute magnetic oxides: the case of Co:ZnO. New Journal of Physics, 2010, 12, 013020.	1.2	89
63	Absence of ferromagnetic-transport signatures in epitaxial paramagnetic and superparamagnetic Zn _{0.95} /m Physical Review B, 2009, 80, .	1.1	24
64	Element specific measurements of the structural properties and magnetism of. Journal of Magnetism and Magnetic Materials, 2009, 321, 699-701.	1.0	5
65	Limitations of measuring small magnetic signals of samples deposited on a diamagnetic substrate. Journal of Magnetism and Magnetic Materials, 2008, 320, 3341-3346.	1.0	59
66	Absence of Intrinsic Ferromagnetic Interactions of Isolated and Paired Co Dopant Atoms in Zn _{0.95} O with High Structural Perfection. Physical Review Letters, 2008, 100, 157201.	2.0	210
67	Element specific magnetic properties of Gd-doped GaN: Very small polarization of Ga and paramagnetism of Gd. Physical Review B, 2008, 77, .	1.1	34