

Karsten Holldack

List of Publications by Year in descending order

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17
papers

1,042
citations

932766

10
h-index

940134

16
g-index

18
all docs

18
docs citations

18
times ranked

1477
citing authors

#	ARTICLE	IF	CITATIONS
1	Femtosecond modification of electron localization and transfer of angular momentum in nickel. <i>Nature Materials</i> , 2007, 6, 740-743.	13.3	464
2	Brilliant, Coherent Far-Infrared (THz) Synchrotron Radiation. <i>Physical Review Letters</i> , 2003, 90, 094801.	2.9	237
3	Femtosecond Terahertz Radiation from Femtoslicing at BESSY. <i>Physical Review Letters</i> , 2006, 96, 054801.	2.9	64
4	Simulating Frequency-Domain Electron Paramagnetic Resonance: Bridging the Gap between Experiment and Magnetic Parameters for High-Spin Transition-Metal Ion Complexes. <i>Journal of Physical Chemistry B</i> , 2015, 119, 13816-13824.	1.2	47
5	Far-Infrared and Raman Spectroscopy Investigation of Phonon Modes in Amorphous and Crystalline Epitaxial GeTe-Sb ₂ Te ₃ Alloys. <i>Scientific Reports</i> , 2016, 6, 28560.	1.6	45
6	Recent progress in synchrotron-based frequency-domain Fourier-transform THz-EPR. <i>Journal of Magnetic Resonance</i> , 2017, 280, 10-19.	1.2	44
7	Phase-locked MHz pulse selector for x-ray sources. <i>Optics Letters</i> , 2015, 40, 2265.	1.7	33
8	General Magnetic Transition Dipole Moments for Electron Paramagnetic Resonance. <i>Physical Review Letters</i> , 2015, 114, 010801.	2.9	27
9	THz Electron Paramagnetic Resonance / THz Spectroscopy at BESSY II. <i>Journal of Large-scale Research Facilities JLSRF</i> , 0, 2, A51.	0.0	23
10	Flipping the helicity of X-rays from an undulator at unprecedented speed. <i>Communications Physics</i> , 2020, 3, .	2.0	13
11	Analysis of granular packing structure by scattering of THz radiation. <i>Review of Scientific Instruments</i> , 2017, 88, 051802.	0.6	12
12	Easy-plane to easy-axis anisotropy switching in a Co(^{II}) single-ion magnet triggered by the diamagnetic lattice. <i>Journal of Materials Chemistry C</i> , 2021, 9, 9446-9452.	2.7	8
13	Field-induced single-ion magnet based on a quasi-octahedral Co(^{II}) complex with mixed sulfur-“oxygen coordination environment. <i>Dalton Transactions</i> , 2021, 50, 13815-13822.	1.6	8
14	Epitaxial Ge ₂ Sb ₂ Te ₅ probed by single cycle THz pulses of coherent synchrotron radiation. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	7
15	Particle characterization using THz spectroscopy. <i>Granular Matter</i> , 2015, 17, 531-536.	1.1	6
16	A Dedicated THz Beamline At BESSY. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	2
17	Phonon anharmonicities and ultrafast dynamics in epitaxial Sb ₂ Te ₃ . <i>Scientific Reports</i> , 2020, 10, 12962.	1.6	2