

James Lord

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1588335/publications.pdf>

Version: 2024-02-01

26
papers

387
citations

840776

11
h-index

794594

19
g-index

26
all docs

26
docs citations

26
times ranked

310
citing authors

#	ARTICLE	IF	CITATIONS
1	Suppl. Info: $\langle \mathbf{m} \rangle$ puzzle: Joint and density functional theory study. Physical Review B, 2021, 103, .	3.2	3
2	Reply to: On the observation of photo-excitation effects in molecules using muon spin spectroscopy. Nature Materials, 2021, , .	27.5	0
3	Decoupling bulk and surface recombination properties in silicon by depth-dependent carrier lifetime measurements. Applied Physics Letters, 2021, 118, . Signatures for Berezinskii-Kosterlitz-Thouless critical behavior in the planar antiferromagnet	3.3	2
4	Physical Review B, 2021, 104, . Superconducting ground state of the nonsymmorphic superconducting compound	3.2	6
5	Physical Review B, 2021, 104, .	3.2	6
6	High-temperature short-range order in Mn ₃ RhSi. Communications Materials, 2020, 1, .	6.9	13
7	Quantum fluctuations in the quasi-one-dimensional non-Fermi liquid system investigated using Physical Review B, 2020, 101, .	3.2	10
8	Optical spectroscopy of muon/hydrogen defects in 6H-SiC. Journal of Applied Physics, 2020, 127, 095702.	2.5	3
9	Two-band superconductivity with unconventional pairing symmetry in HfV ₂ Ga ₄ . Physical Review Research, 2020, 2, .	3.6	5
10	Muon probes of temperature-dependent charge carrier kinetics in semiconductors. Applied Physics Letters, 2019, 115, 112101.	3.3	3
11	Muons at ISIS. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180064.	3.4	22
12	Paramagnetic rare-earth oxide Nd ₂ O ₃ investigated by muon spin spectroscopy. Physical Review B, 2019, 100, .	3.2	4
13	Barrier model in muon implantation and application to Physical Review B, 2018, 98, .	3.2	10
14	Temporal mapping of photochemical reactions and molecular excited states with carbon specificity. Nature Materials, 2017, 16, 467-473.	27.5	16
15	Photoexcited Muon Spin Spectroscopy: A New Method for Measuring Excess Carrier Lifetime in Bulk Silicon. Physical Review Letters, 2017, 119, 226601.	7.8	10
16	The new high field photoexcitation muon spectrometer at the ISIS pulsed neutron and muon source. Review of Scientific Instruments, 2016, 87, 125111.	1.3	11
17	Isolated hydrogen configurations in zirconia as seen by muon spin spectroscopy and <i>ab initio</i> calculations. Physical Review B, 2016, 94, .	3.2	24
18	Muonium donor in rutile comparison with hydrogen. Physical Review B, 2015, 92, .	3.2	11

#	ARTICLE	IF	CITATIONS
19	Muon-Spin-Rotation study of yttria-stabilized zirconia (ZrO ₂ :Y): Evidence for muon and electron separate traps. Journal of Physics: Conference Series, 2014, 551, 012050.	0.4	6
20	Developments at the ISIS muon source and the concomitant benefit to the user community. Journal of Physics: Conference Series, 2014, 551, 012067.	0.4	13
21	The first 25 years of semiconductor muonics at ISIS, modelling the electrical activity of hydrogen in inorganic semiconductors and high- ϵ^p dielectrics. Physica Scripta, 2013, 88, 068503.	2.5	20
22	Hydrogen impurity in paratellurite TeO_2 . Journal of Physics: Conference Series, 2014, 551, 012067.	3.2	24
23	Design and commissioning of a high magnetic field muon spin relaxation spectrometer at the ISIS pulsed neutron and muon source. Review of Scientific Instruments, 2011, 82, 073904.	1.3	28
24	Oxide muonics: I. Modelling the electrical activity of hydrogen in semiconducting oxides. Journal of Physics Condensed Matter, 2006, 18, 1061-1078.	1.8	43
25	Oxide muonics: II. Modelling the electrical activity of hydrogen in wide-gap and high-permittivity dielectrics. Journal of Physics Condensed Matter, 2006, 18, 1079-1119.	1.8	70
26	Hydrogen states in mixed-cation $\text{CuIn}_{1-x}\text{Ga}_x\text{Se}_2$ chalcopyrite alloys: a combined study by first-principles density-functional calculations and muon-spin spectroscopy. Philosophical Magazine, 0, 1-23.	1.6	5