

SinÃ©ad M Griffin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7154096/publications.pdf>

Version: 2024-02-01

21
papers

694
citations

759233

12
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

686
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of sub-MeV dark matter with three-dimensional Dirac materials. Physical Review D, 2018, 97, .	4.7	142
2	Directional detection of light dark matter with polar materials. Physical Review D, 2018, 98, .	4.7	90
3	Multichannel direct detection of light dark matter: Target comparison. Physical Review D, 2020, 101, .	4.7	66
4	Multi-channel direct detection of light dark matter: theoretical framework. Journal of High Energy Physics, 2020, 2020, 1.	4.7	63
5	Silicon carbide detectors for sub-GeV dark matter. Physical Review D, 2021, 103, .	4.7	59
6	Observation of a two-dimensional Fermi surface and Dirac dispersion in YbMnSb_2 . Physical Review B, 2018, 97, .	4.7	54
7	Ferroelectricity in a semiconducting all-inorganic halide perovskite. Science Advances, 2022, 8, eabj5881.	10.3	37
8	Extended calculation of dark matter-electron scattering in crystal targets. Physical Review D, 2021, 104, .	4.7	28
9	IFermi: A python library for Fermi surface generation and analysis. Journal of Open Source Software, 2021, 6, 3089.	4.6	26
10	Localization and Mitigation of Loss in Niobium Superconducting Circuits. PRX Quantum, 2022, 3, .	9.2	20
11	Thermodynamic signature of Dirac electrons across a possible topological transition in ZrTe_5 . Physical Review B, 2018, 97, .	4.7	19
12	Manifestation of structural Higgs and Goldstone modes in the hexagonal manganites. Physical Review B, 2020, 102, .	3.2	13
13	Prediction of tunable spin-orbit gapped materials for dark matter detection. Physical Review Research, 2021, 3, .	3.6	12
14	First-principles study of the T center in silicon. Physical Review Materials, 2022, 6, .	2.4	12
15	Elucidating the local atomic and electronic structure of amorphous oxidized superconducting niobium films. Applied Physics Letters, 2021, 119, .	3.3	10
16	On the relationship between topological and geometric defects. Journal of Physics Condensed Matter, 2017, 29, 343001.	1.8	9
17	Signatures of possible surface states in TaAs. Physical Review B, 2020, 102, .	3.2	9
18	Topological semimetal features in the multiferroic hexagonal manganites. Physical Review Materials, 2019, 3, .	2.4	9

#	ARTICLE	IF	CITATIONS
19	Structural disorder-driven topological phase transition in noncentrosymmetric BiTeI. Physical Review B, 2021, 103, .	3.2	7
20	A density functional theory study of the influence of exchange-correlation functionals on the properties of FeAs. Journal of Physics Condensed Matter, 2017, 29, 215604.	1.8	5
21	Manipulation of spin orientation via ferroelectric switching in Fe-doped Bi_2WO_6 from first principles. Physical Review B, 2022, 105, .	3.2	4