

SinÃ©ad M Griffin

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Manipulation of spin orientation via ferroelectric switching in Fe-doped $\text{Bi}_{2-x}\text{WO}_6$ from first principles. <i>Physical Review B</i> , 2022, 105, .	3.2	4
2	Localization and Mitigation of Loss in Niobium Superconducting Circuits. <i>PRX Quantum</i> , 2022, 3, .	9.2	20
3	Ferroelectricity in a semiconducting all-inorganic halide perovskite. <i>Science Advances</i> , 2022, 8, eabj5881.	10.3	37
4	First-principles study of the T center in silicon. <i>Physical Review Materials</i> , 2022, 6, .	2.4	12
5	IFermi: A python library for Fermi surface generation and analysis. <i>Journal of Open Source Software</i> , 2021, 6, 3089.	4.6	26
6	Silicon carbide detectors for sub-GeV dark matter. <i>Physical Review D</i> , 2021, 103, .	4.7	59
7	Structural disorder-driven topological phase transition in noncentrosymmetric BiTeI. <i>Physical Review B</i> , 2021, 103, .	3.2	7
8	Prediction of tunable spin-orbit gapped materials for dark matter detection. <i>Physical Review Research</i> , 2021, 3, .	3.6	12
9	Extended calculation of dark matter-electron scattering in crystal targets. <i>Physical Review D</i> , 2021, 104, .	4.7	28
10	Elucidating the local atomic and electronic structure of amorphous oxidized superconducting niobium films. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	10
11	Signatures of possible surface states in TaAs. <i>Physical Review B</i> , 2020, 102, .	3.2	9
12	Multichannel direct detection of light dark matter: Target comparison. <i>Physical Review D</i> , 2020, 101, .	4.7	66
13	Manifestation of structural Higgs and Goldstone modes in the hexagonal manganites. <i>Physical Review B</i> , 2020, 102, .	3.2	13
14	Multi-channel direct detection of light dark matter: theoretical framework. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	63
15	Topological semimetal features in the multiferroic hexagonal manganites. <i>Physical Review Materials</i> , 2019, 3, .	2.4	9
16	Detection of sub-MeV dark matter with three-dimensional Dirac materials. <i>Physical Review D</i> , 2018, 97, .	4.7	142
17	Thermodynamic signature of Dirac electrons across a possible topological transition in ZrTe_5 . <i>Physical Review B</i> , 2018, 97, .	3.2	15
18	Observation of a two-dimensional Fermi surface and Dirac dispersion in YbMnSb_2 . <i>Physical Review B</i> , 2018, 97, .	3.2	15

#	ARTICLE	IF	CITATIONS
19	Directional detection of light dark matter with polar materials. Physical Review D, 2018, 98, .	4.7	90
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	On the relationship between topological and geometric defects. Journal of Physics Condensed Matter, 2017, 29, 343001.	1.8	9