

Samuel J Magorrian

List of Publications by Year in descending order

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papers

909
citations

623734

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all docs

21
docs citations

21
times ranked

1329
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomic reconstruction in twisted bilayers of transition metal dichalcogenides. Nature Nanotechnology, 2020, 15, 592-597.	31.5	245
2	Broken mirror symmetry in excitonic response of reconstructed domains in twisted MoSe ₂ /MoSe ₂ bilayers. Nature Nanotechnology, 2020, 15, 750-754.	31.5	106
3	Stacking Domains and Dislocation Networks in Marginally Twisted Bilayers of Transition Metal Dichalcogenides. Physical Review Letters, 2020, 124, 206101.	7.8	100
4	Electronic and optical properties of two-dimensional InSe from a DFT-parametrized tight-binding model. Physical Review B, 2016, 94, .	3.2	89
5	Infrared-to-violet tunable optical activity in atomic films of GaSe, InSe, and their heterostructures. 2D Materials, 2018, 5, 041009.	4.4	52
6	Valence band inversion and spin-orbit effects in the electronic structure of monolayer GaSe. Physical Review B, 2018, 98, .	3.2	47
7	Piezoelectric networks and ferroelectric domains in twistrionic superlattices in WS ₂ /MoS ₂ and WSe ₂ /MoSe ₂ bilayers. 2D Materials, 2021, 8, 025030.	4.4	36
8	Turbulent plumes from a glacier terminus melting in a stratified ocean. Journal of Geophysical Research: Oceans, 2016, 121, 4670-4696.	2.6	33
9	Ultra-thin van der Waals crystals as semiconductor quantum wells. Nature Communications, 2020, 11, 125.	12.8	33
10	Spin-orbit coupling, optical transitions, and spin pumping in monolayer and few-layer InSe. Physical Review B, 2017, 96, .	3.2	31
11	Weak ferroelectric charge transfer in layer-asymmetric bilayers of 2D semiconductors. Scientific Reports, 2021, 11, 13422.	3.3	29
12	Multifaceted moiré superlattice physics in twisted $WSe_2/MoSe_2$ bilayers. Physical Review B, 2021, 104, .	3.2	21
13	Band energy landscapes in twisted homobilayers of transition metal dichalcogenides. Applied Physics Letters, 2021, 118, .	3.3	21
14	Hybrid k - p tight-binding model for intersubband optics in atomically thin InSe films. Physical Review B, 2018, 97, .	3.2	16
15	Polarization memory in the nonpolar magnetic ground state of multiferroic $CuFeO_2$. Physical Review B, 2016, 94, .	3.2	10
16	Tunable spin-orbit coupling in two-dimensional InSe. Physical Review B, 2021, 104, .	3.2	9
17	Ghost anti-crossings caused by interlayer umklapp hybridization of bands in 2D heterostructures. 2D Materials, 2021, 8, 015016.	4.4	8
18	Crossover from weakly indirect to direct excitons in atomically thin films of InSe. Physical Review B, 2020, 101, .	3.2	6

#	ARTICLE	IF	CITATIONS
19	Structures of bulk hexagonal post transition metal chalcogenides from dispersion-corrected density functional theory. <i>Physical Review B</i> , 2021, 103, .	3.2	6
20	Theory of Electronic and Optical Properties of Atomically Thin Films of Indium Selenide. Springer Theses, 2019, , .	0.1	2