

Samuel J Magorrian

List of Publications by Year in descending order

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20
papers

909
citations

706676

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799663

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times ranked

1540
citing authors

#	ARTICLE	IF	CITATIONS
1	Piezoelectric networks and ferroelectric domains in twistrionic superlattices in WS ₂ /MoS ₂ and WSe ₂ /MoSe ₂ bilayers. 2D Materials, 2021, 8, 025030.	2.0	36
2	Structures of bulk hexagonal post transition metal chalcogenides from dispersion-corrected density functional theory. Physical Review B, 2021, 103, .	1.1	6
3	Weak ferroelectric charge transfer in layer-asymmetric bilayers of 2D semiconductors. Scientific Reports, 2021, 11, 13422.	1.6	29
4	Band energy landscapes in twisted homobilayers of transition metal dichalcogenides. Applied Physics Letters, 2021, 118, .	1.5	21
5	Tunable spin-orbit coupling in two-dimensional InSe. Physical Review B, 2021, 104, .	1.1	9
6	Multifaceted moiré superlattice physics in twisted $WSe_2/MoSe_2$ bilayers. Physical Review B, 2021, 104, .	1.1	9
7	Ghost anti-crossings caused by interlayer umklapp hybridization of bands in 2D heterostructures. 2D Materials, 2021, 8, 015016.	2.0	8
8	Broken mirror symmetry in excitonic response of reconstructed domains in twisted MoSe ₂ /MoSe ₂ bilayers. Nature Nanotechnology, 2020, 15, 750-754.	15.6	106
9	Stacking Domains and Dislocation Networks in Marginally Twisted Bilayers of Transition Metal Dichalcogenides. Physical Review Letters, 2020, 124, 206101.	2.9	100
10	Crossover from weakly indirect to direct excitons in atomically thin films of InSe. Physical Review B, 2020, 101, .	1.1	6
11	Ultra-thin van der Waals crystals as semiconductor quantum wells. Nature Communications, 2020, 11, 125.	5.8	33
12	Atomic reconstruction in twisted bilayers of transition metal dichalcogenides. Nature Nanotechnology, 2020, 15, 592-597.	15.6	245
13	Theory of Electronic and Optical Properties of Atomically Thin Films of Indium Selenide. Springer Theses, 2019, .	0.0	2
14	Hybrid k - p tight-binding model for intersubband optics in atomically thin InSe films. Physical Review B, 2018, 97, .	1.1	16
15	Infrared-to-violet tunable optical activity in atomic films of GaSe, InSe, and their heterostructures. 2D Materials, 2018, 5, 041009.	2.0	52
16	Valence band inversion and spin-orbit effects in the electronic structure of monolayer GaSe. Physical Review B, 2018, 98, .	1.1	47
17	Spin-orbit coupling, optical transitions, and spin pumping in monolayer and few-layer InSe. Physical Review B, 2017, 96, .	1.1	31
18	Electronic and optical properties of two-dimensional InSe from a DFT-parametrized tight-binding model. Physical Review B, 2016, 94, .	1.1	89

#	ARTICLE	IF	CITATIONS
19	Turbulent plumes from a glacier terminus melting in a stratified ocean. Journal of Geophysical Research: Oceans, 2016, 121, 4670-4696.	1.0	33
20	Polarization memory in the nonpolar magnetic ground state of multiferroic CuFeO_2 . Physical Review B, 2016, 94, .		