

Brian Cunningham

List of Publications by Year in descending order

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13
papers

213
citations

1307594

7
h-index

1281871

11
g-index

13
all docs

13
docs citations

13
times ranked

293
citing authors

#	ARTICLE	IF	CITATIONS
1	Many-body theory of positron binding to polyatomic molecules. Nature, 2022, 606, 688-693.	27.8	20
2	Optical response and band structure of LiCoO_2 including electron-hole interaction effects. Physical Review B, 2021, 104, .	3.2	18
3	Electronic structure of chromium trihalides beyond density functional theory. Physical Review B, 2021, 104, .	3.0	7
4	Efficient <i>ab initio</i> calculation of electronic stopping in disordered systems via geometry pre-sampling: Application to liquid water. Journal of Chemical Physics, 2020, 153, 034113.	3.6	9
5	Role of the lattice in the light-induced insulator-to-metal transition in vanadium dioxide. Physical Review Research, 2020, 2, .		1
6	Possible phonon-induced electronic bi-stability in VO ₂ for ultrafast memory at room temperature. , 2019, , .	6.7	65
7	Spectroscopic Size and Thickness Metrics for Liquid-Exfoliated <i>h</i> -BN. Chemistry of Materials, 2018, 30, 1998-2005.	2.4	45
8	Effect of ladder diagrams on optical absorption spectra in a quasiparticle self-consistent <i>GW</i> framework. Physical Review Materials, 2018, 2, .	1.6	2
9	Non-conservative forces in bulk systems. Materials Science and Technology, 2017, 33, 1442-1446.	0.1	0
10	Length Matters: Keeping Atomic Wires in Check. Materials Research Society Symposia Proceedings, 2015, 1753, 96.	2.8	7
11	Nonconservative current-driven dynamics: beyond the nanoscale. Beilstein Journal of Nanotechnology, 2015, 6, 2140-2147.	3.2	14
12	Nonconservative dynamics in long atomic wires. Physical Review B, 2014, 90, .	1.8	7
13	An ignition key for atomic-scale engines. Journal of Physics Condensed Matter, 2012, 24, 402203.		