

Brian Cunningham

List of Publications by Year in descending order

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13
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1307594

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13
docs citations

13
times ranked

293
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectroscopic Size and Thickness Metrics for Liquid-Exfoliated <i>h</i> -BN. Chemistry of Materials, 2018, 30, 1998-2005.	6.7	65
2	Effect of ladder diagrams on optical absorption spectra in a quasiparticle self-consistent $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">\langle \text{mml:mi mathvariant="italic">GW} \langle \text{mml:math}>$ framework. Physical Review Materials, 2018, 2, .	2.4	45
3	Many-body theory of positron binding to polyatomic molecules. Nature, 2022, 606, 688-693.	27.8	20
4	Optical response and band structure of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">\langle \text{mml:msub}>\langle \text{mml:mi}>LiCoO \langle \text{mml:mi}>\langle \text{mml:mn}>2 \langle \text{mml:mi}>\langle \text{mml:msub}>\langle \text{mml:mi}>$ including electron-hole interaction effects. Physical Review B, 2021, 104, .	3.2	18
5	Electronic structure of chromium trihalides beyond density functional theory. Physical Review B, 2021, 104, .	3.2	18
6	Nonconservative dynamics in long atomic wires. Physical Review B, 2014, 90, .	3.2	14
7	Role of the lattice in the light-induced insulator-to-metal transition in vanadium dioxide. Physical Review Research, 2020, 2, .	3.6	9
8	An ignition key for atomic-scale engines. Journal of Physics Condensed Matter, 2012, 24, 402203.	1.8	7
9	Nonconservative current-driven dynamics: beyond the nanoscale. Beilstein Journal of Nanotechnology, 2015, 6, 2140-2147.	2.8	7
10	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.	3.0	7
11	Non-conservative forces in bulk systems. Materials Science and Technology, 2017, 33, 1442-1446.	1.6	2
12	Possible phonon-induced electronic bi-stability in VO ₂ for ultrafast memory at room temperature. , 2019, , .		1
13	Length Matters: Keeping Atomic Wires in Check. Materials Research Society Symposia Proceedings, 2015, 1753, 96.	0.1	0