

Daniel Dundas

List of Publications by Year in descending order

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18
papers

529
citations

840776

11
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

436
citing authors

#	ARTICLE	IF	CITATIONS
1	Curl maps in nanowires. <i>Physical Review B</i> , 2020, 102, .	3.2	2
2	Driven Liouvilleâ€“von Neumann Equation for Quantum Transport and Multiple-Probe Greenâ€™s Functions. <i>Journal of Physical Chemistry C</i> , 2019, , .	3.1	8
3	Probing the role of excited states in ionization of acetylene. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 19619-19630.	2.8	3
4	Non-conservative forces in bulk systems. <i>Materials Science and Technology</i> , 2017, 33, 1442-1446.	1.6	2
5	High-order-harmonic generation in benzene with linearly and circularly polarized laser pulses. <i>Physical Review A</i> , 2016, 93, .	2.5	25
6	Length Matters: Keeping Atomic Wires in Check. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1753, 96.	0.1	0
7	Nonconservative current-driven dynamics: beyond the nanoscale. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 2140-2147.	2.8	7
8	Nonconservative dynamics in long atomic wires. <i>Physical Review B</i> , 2014, 90, .	3.2	14
9	Current-induced forces: a simple derivation. <i>European Journal of Physics</i> , 2014, 35, 065004.	0.6	43
10	An ignition key for atomic-scale engines. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 402203.	1.8	7
11	Current-induced atomic dynamics, instabilities, and Raman signals: Quasiclassical Langevin equation approach. <i>Physical Review B</i> , 2012, 85, .	3.2	94
12	Multielectron effects in high harmonic generation in N2 and benzene: Simulation using a non-adiabatic quantum molecular dynamics approach for laser-molecule interactions. <i>Journal of Chemical Physics</i> , 2012, 136, 194303.	3.0	27
13	Nonconservative current-induced forces: A physical interpretation. <i>Beilstein Journal of Nanotechnology</i> , 2011, 2, 727-733.	2.8	21
14	Nonconservative generalized current-induced forces. <i>Physical Review B</i> , 2010, 81, .	3.2	36
15	Current-driven atomic waterwheels. <i>Nature Nanotechnology</i> , 2009, 4, 99-102.	31.5	135
16	Inelastic quantum transport in nanostructures: The self-consistent Born approximation and correlated electron-ion dynamics. <i>Physical Review B</i> , 2008, 78, .	3.2	27
17	Dynamical simulation of inelastic quantum transport. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 196201.	1.8	61
18	Accurate and efficient non-adiabatic quantum molecular dynamics approach for laserâ€™matter interactions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2004, 37, 2883-2901.	1.5	17