

William Dowling

List of Publications by Year in descending order

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13
papers

54
citations

1936888

4
h-index

1719596

7
g-index

16
all docs

16
docs citations

16
times ranked

42
citing authors

#	ARTICLE	IF	CITATIONS
1	Ferromagnetic and nutation resonance frequencies of nanomagnets with various magnetocrystalline anisotropies. Journal of Applied Physics, 2022, 131, .	1.1	6
2	Nutation spin waves in ferromagnets. Physical Review B, 2022, 105, .	1.1	12
3	Inertial magnetization dynamics of ferromagnetic nanoparticles including thermal agitation. , 2021, , .		0
4	Generalization to anomalous diffusion of BudÃ³â€™s treatment of polar molecules containing interacting rotating groups. Journal of Chemical Physics, 2020, 153, 044128.	1.2	2
5	Anomalous diffusion of molecules with rotating polar groups: The joint role played by inertia and dipole coupling in microwave and far-infrared absorption. Physical Review E, 2020, 102, 052130.	0.8	3
6	Anomalous diffusion of a dipole interacting with its surroundings. Journal of Chemical Physics, 2020, 152, 114101.	1.2	2
7	Forced response and dynamic hysteresis of magnetic nanoparticles with mixed uniaxial and cubic anisotropy in superimposed strong ac and dc bias fields. Physical Review B, 2019, 99, .	1.1	4
8	Finite-barrier correction for the ferromagnetic resonance frequency of nanomagnets with various magnetocrystalline anisotropies. Physical Review B, 2018, 97, .	1.1	6
9	Cage model of polar fluids: Finite cage inertia generalization. Journal of Chemical Physics, 2017, 147, 034509.	1.2	4
10	Damping Dependence of Spin-Torque Effects in Thermally Assisted Magnetization Reversal. IEEE Transactions on Magnetics, 2017, 53, 1-8.	1.2	1
11	Spin transfer torque and dc bias magnetic field effects on the magnetization reversal time of nanoscale ferromagnets at very low damping: Mean first-passage time versus numerical methods. Physical Review B, 2016, 93, .	1.1	5
12	Master equation in phase space applied to the quantum Brownian motion in a tilted periodic potential. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 105002.	0.7	3
13	Phase space master equations for quantum Brownian motion in a periodic potential: comparison of various kinetic models. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 475001.	0.7	4