

# William Dowling

## List of Publications by Year in descending order

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13  
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1936888  
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#	ARTICLE	IF	CITATIONS
1	Nutation spin waves in ferromagnets. <i>Physical Review B</i> , 2022, 105, .	1.1	12
2	Finite-barrier correction for the ferromagnetic resonance frequency of nanomagnets with various magnetocrystalline anisotropies. <i>Physical Review B</i> , 2018, 97, .	1.1	6
3	Ferromagnetic and nutation resonance frequencies of nanomagnets with various magnetocrystalline anisotropies. <i>Journal of Applied Physics</i> , 2022, 131, .	1.1	6
4	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. <i>Physical Review B</i> , 2016, 93, .	1.1	5
5	Phase space master equations for quantum Brownian motion in a periodic potential: comparison of various kinetic models. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011, 44, 475001.	0.7	4
6	Cage model of polar fluids: Finite cage inertia generalization. <i>Journal of Chemical Physics</i> , 2017, 147, 034509.	1.2	4
7	Forced response and dynamic hysteresis of magnetic nanoparticles with mixed uniaxial and cubic anisotropy in superimposed strong ac and dc bias fields. <i>Physical Review B</i> , 2019, 99, .	1.1	4
8	Master equation in phase space applied to the quantum Brownian motion in a tilted periodic potential. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 105002.	0.7	3
9	Anomalous diffusion of molecules with rotating polar groups: The joint role played by inertia and dipole coupling in microwave and far-infrared absorption. <i>Physical Review E</i> , 2020, 102, 052130.	0.8	3
10	Generalization to anomalous diffusion of BudÃ³â€™s treatment of polar molecules containing interacting rotating groups. <i>Journal of Chemical Physics</i> , 2020, 153, 044128.	1.2	2
11	Anomalous diffusion of a dipole interacting with its surroundings. <i>Journal of Chemical Physics</i> , 2020, 152, 114101.	1.2	2
12	Damping Dependence of Spin-Torque Effects in Thermally Assisted Magnetization Reversal. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-8.	1.2	1
13	Inertial magnetization dynamics of ferromagnetic nanoparticles including thermal agitation. , 2021, , .		0