

# Graham E Rowlands

## List of Publications by Year in descending order

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18  
papers

517  
citations

840119

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940134

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18  
docs citations

18  
times ranked

834  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear input transformations are ubiquitous in quantum reservoir computing. <i>Neuromorphic Computing and Engineering</i> , 2022, 2, 014008.	2.8	9
2	Hilbert space as a computational resource in reservoir computing. <i>Physical Review Research</i> , 2022, 4, .	1.3	9
3	Nanosecond Reversal of Three-Terminal Spin-Hall-Effect Memories Sustained at Cryogenic Temperatures. <i>Physical Review Applied</i> , 2021, 15, .	1.5	4
4	Quantum reservoir computing with a single nonlinear oscillator. <i>Physical Review Research</i> , 2021, 3, .	1.3	50
5	Symmetry-aware reservoir computing. <i>Physical Review E</i> , 2021, 104, 045307.	0.8	8
6	Cryogenic MRAMS for Superconducting Computers. , 2021, , .		0
7	Cryogenic Memory Architecture Integrating Spin Hall Effect based Magnetic Memory and Superconductive Cryotron Devices. <i>Scientific Reports</i> , 2020, 10, 248.	1.6	25
8	Sub-nanosecond switching in a cryogenic spin-torque spin-valve memory element with a dilute permalloy free layer. <i>Applied Physics Letters</i> , 2019, 114, 212402.	1.5	8
9	A cryogenic spin-torque memory element with precessional magnetization dynamics. <i>Scientific Reports</i> , 2019, 9, 803.	1.6	25
10	Efficient switching of 3-terminal magnetic tunnel junctions by the giant spin Hall effect of Pt85Hf15 alloy. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	22
11	Nanosecond magnetization dynamics during spin Hall switching of in-plane magnetic tunnel junctions. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	27
12	Nanosecond-Timescale Low Energy Switching of In-Plane Magnetic Tunnel Junctions through Dynamic Oersted-Field-Assisted Spin Hall Effect. <i>Nano Letters</i> , 2016, 16, 5987-5992.	4.5	119
13	A critical analysis of the feasibility of pure strain-actuated giant magnetostrictive nanoscale memories. <i>Journal of Applied Physics</i> , 2015, 118, .	1.1	16
14	Macrospin modeling of sub-ns pulse switching of perpendicularly magnetized free layer via spin-orbit torques for cryogenic memory applications. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	50
15	Nonlinear ferromagnetic resonance induced by spin torque in nanoscale magnetic tunnel junctions. <i>Applied Physics Letters</i> , 2013, 103, 082402.	1.5	51
16	Time Domain Mapping of Spin Torque Oscillator Effective Energy. <i>Physical Review Letters</i> , 2013, 111, 087206.	2.9	11
17	Ultrafast spin torque memory based on magnetic tunnel junctions with combined in-plane and perpendicular polarizers. , 2012, , .		1
18	Deep subnanosecond spin torque switching in magnetic tunnel junctions with combined in-plane and perpendicular polarizers. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	82