

Graham E Rowlands

List of Publications by Year in descending order

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18
papers

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840119

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