

A S Jenkins

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Spintronic Wireless Sensor Networks. IEEE Transactions on Magnetics, 2022, 58, 1-3.	1.2	0
2	Verilog-A-Based Analytical Modeling of Vortex Spin-Torque Nano Oscillator. IEEE Transactions on Electron Devices, 2022, 69, 4651-4658.	1.6	9
3	Phase variation in the locked state of mutually synchronized spin torque nano-oscillators. Applied Physics Letters, 2021, 118, 172406.	1.5	6
4	Electrical characterisation of higher order spin wave modes in vortex-based magnetic tunnel junctions. Communications Physics, 2021, 4, .	2.0	6
5	Radio Receivers based on Spin-Torque Diodes as Energy Detectors. , 2021, , .		1
6	Hardware realization of the multiply and accumulate operation on radio-frequency signals with magnetic tunnel junctions. Neuromorphic Computing and Engineering, 2021, 1, 011001.	2.8	19
7	Analog and Digital Phase Modulation and Signal Transmission with Spin-Torque Nano-Oscillators. Physical Review Applied, 2021, 16, .	1.5	11
8	Non-volatile artificial synapse based on a vortex nano-oscillator. Scientific Reports, 2021, 11, 16094.	1.6	11
9	Ultrafast Sweep-Tuned Spectrum Analyzer with Temporal Resolution Based on a Spin-Torque Nano-Oscillator. Nano Letters, 2020, 20, 6104-6111.	4.5	34
10	Digital and analogue modulation and demodulation scheme using vortex-based spin torque nano-oscillators. Scientific Reports, 2020, 10, 11181.	1.6	12
11	Wideband High-Resolution Frequency-to-Resistance Converter Based on Nonhomogeneous Magnetic-State Transitions. Physical Review Applied, 2020, 13, .	1.5	8
12	Detection of the Microwave Emission from a Spin-Torque Oscillator by a Spin Diode. Physical Review Applied, 2020, 13, .	1.5	24
13	Nanoscale true random bit generator based on magnetic state transitions in magnetic tunnel junctions. Scientific Reports, 2019, 9, 15661.	1.6	13
14	Spin-Torque-Nano-Oscillator based neuromorphic computing assisted by laser. , 2019, , .		1
15	Spin torque nano-oscillator driven by combined spin injection from tunneling and spin Hall current. Communications Physics, 2019, 2, .	2.0	38
16	LAO-NCS: Laser Assisted Spin Torque Nano Oscillator-Based Neuromorphic Computing System. Frontiers in Neuroscience, 2019, 13, 1429.	1.4	20
17	Broadband voltage rectifier induced by linear bias dependence in CoFeB/MgO magnetic tunnel junctions. Applied Physics Letters, 2018, 112, .	1.5	28
18	Influence of MgO Tunnel Barrier Thickness on the Output Power of Three-Terminal Spin Hall Nano-Oscillators. IEEE Transactions on Magnetics, 2018, 54, 1-4.	1.2	4

#	ARTICLE	IF	CITATIONS
19	Mutual synchronization of spin torque nano-oscillators through a long-range and tunable electrical coupling scheme. Nature Communications, 2017, 8, 15825.	5.8	85
20	High power and low critical current density spin transfer torque nano-oscillators using MgO barriers with intermediate thickness. Scientific Reports, 2017, 7, 7237.	1.6	35
21	Spin transfer driven resonant expulsion of a magnetic vortex core for efficient rf detector. AIP Advances, 2017, 7, .	0.6	11
22	Self-Injection Locking of a Vortex Spin Torque Oscillator by Delayed Feedback. Scientific Reports, 2016, 6, 26849.	1.6	40
23	Spin-torque resonant expulsion of the vortex core for an efficient radiofrequency detection scheme. Nature Nanotechnology, 2016, 11, 360-364.	15.6	75
24	Understanding of Phase Noise Squeezing Under Fractional Synchronization of a Nonlinear Spin Transfer Vortex Oscillator. Physical Review Letters, 2015, 115, 017201.	2.9	50
25	Modulation bandwidth of spin torque oscillators under current modulation. Applied Physics Letters, 2014, 105, 152401.	1.5	34
26	Controlling the chirality and polarity of vortices in magnetic tunnel junctions. Applied Physics Letters, 2014, 105, .	1.5	28
27	Large amplitude spin torque vortex oscillations at zero external field using a perpendicular spin polarizer. Applied Physics Letters, 2014, 105, .	1.5	35
28	Current driven magnetization dynamics of a self-polarised synthetic ferrimagnet. Journal of Applied Physics, 2014, 115, 083911.	1.1	5
29	Spintronic nano-oscillators: Towards nanoscale and tunable frequency devices. , 2014, , .		9
30	Influence of thermal fluctuations on the emission linewidth in MgO-based spin transfer oscillators. Applied Physics Letters, 2012, 101, 062407.	1.5	20