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**Large Emission Power over 2 μ W with HighQFactor
Obtained from Nanocontact
Magnetic-Tunnel-Junction-Based Spin Torque Oscillator**

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#	Paper	IF	Citations
66	Discontinuous frequency drop in spin torque oscillator with a perpendicularly magnetized FeB free layer. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 060307	1.4	5
65	High power all-metal spin torque oscillator using full Heusler Co ₂ (Fe,Mn)Si. <i>Applied Physics Letters</i> , 2014 , 105, 092406	3.4	26
64	Large amplitude spin torque vortex oscillations at zero external field using a perpendicular spin polarizer. <i>Applied Physics Letters</i> , 2014 , 105, 022404	3.4	30
63	High Q factor over 3000 due to out-of-plane precession in nano-contact spin-torque oscillator based on magnetic tunnel junctions. <i>Applied Physics Express</i> , 2014 , 7, 023003	2.4	47
62	Zero-field spin-transfer oscillators combining in-plane and out-of-plane magnetized layers. <i>Applied Physics Express</i> , 2014 , 7, 043001	2.4	17
61	Spintronic nano-oscillators: Towards nanoscale and tunable frequency devices. 2014 ,		7
60	The 2014 Magnetism Roadmap. <i>Journal Physics D: Applied Physics</i> , 2014 , 47, 333001	3	291
59	High emission power and Q factor in spin torque vortex oscillator consisting of FeB free layer. <i>Applied Physics Express</i> , 2014 , 7, 063009	2.4	48
58	Bias field angle dependence of the self-oscillation of spin torque oscillators having a perpendicularly magnetized free layer and in-plane magnetized reference layer. <i>Applied Physics Express</i> , 2014 , 7, 063005	2.4	19
57	Critical damping constant of a spin torque oscillator with a perpendicularly magnetized free layer and an in-plane magnetized reference layer. <i>Physical Review B</i> , 2015 , 92,	3.3	6
56	Effect of Deposition Conditions and Annealing Temperature on Tunnel Magnetoresistance and the Structure of MgO-Based Double-Barrier Magnetic Tunnel Junctions. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	1
55	Spin-torque-induced oscillation at zero bias field in a magnetoresistive nanopillar with a free layer with first- and second-order uniaxial anisotropy. <i>Applied Physics Express</i> , 2015 , 8, 083005	2.4	14
54	Microwave assisted magnetic recording technologies and related physics. <i>Journal Physics D: Applied Physics</i> , 2015 , 48, 353001	3	63
53	Zero-field spin torque oscillation in Co ₂ (Fe, Mn)Si with a point contact geometry. <i>Applied Physics Letters</i> , 2015 , 106, 092406	3.4	17
52	Spin torque-induced magnetization dynamics in giant magnetoresistance devices with Heusler alloy layers. <i>Journal Physics D: Applied Physics</i> , 2015 , 48, 164010	3	13
51	Large amplitude oscillation of magnetization in spin-torque oscillator stabilized by field-like torque. <i>Journal of Applied Physics</i> , 2015 , 117, 17C504	2.5	3
50	Modeling of magnetization precession in spin-torque nano-oscillators with a tilted polarizer. <i>AIP Advances</i> , 2015 , 5, 077171	1.5	4

49	Large voltage-induced magnetic anisotropy field change in ferrimagnetic FeGd. <i>Applied Physics Express</i> , 2015 , 8, 073007	2.4	11
48	Coherent microwave generation by spintronic feedback oscillator. <i>Scientific Reports</i> , 2016 , 6, 30747	4.9	25
47	Microwave emission power exceeding 10 μ W in spin torque vortex oscillator. <i>Applied Physics Letters</i> , 2016 , 109, 252402	3.4	33
46	Diameter dependence of emission power in MgO-based nano-pillar spin-torque oscillators. <i>Applied Physics Letters</i> , 2016 , 108, 253502	3.4	11
45	Wireless current sensing by near field induction from a spin transfer torque nano-oscillator. <i>Applied Physics Letters</i> , 2016 , 108, 242403	3.4	5
44	Extremely Coherent Microwave Emission from Spin Torque Oscillator Stabilized by Phase Locked Loop. <i>Scientific Reports</i> , 2015 , 5, 18134	4.9	35
43	Response of magnetic tunnel junction-based spin-torque oscillator to series of sub-nanosecond magnetic pulses. <i>Applied Physics Express</i> , 2016 , 9, 113002	2.4	5
42	In-line spin-torque nano-oscillators in perpendicularly magnetized nanowires. <i>Physical Review B</i> , 2016 , 93,	3.3	6
41	Spin-Torque and Spin-Hall Nano-Oscillators. <i>Proceedings of the IEEE</i> , 2016 , 104, 1919-1945	14.3	191
40	CMOS-compatible spintronic devices: a review. <i>Semiconductor Science and Technology</i> , 2016 , 31, 113006	1.8	54
39	Influence of output power of a spin torque oscillator on phase locked loop operation. <i>Japanese Journal of Applied Physics</i> , 2016 , 55, 093003	1.4	3
38	Enhancement of output power in spin torque nano-oscillator using heterogeneous layer. 2016 ,		3
37	Accurate De-Embedding and Measurement of Spin-Torque Oscillators. <i>IEEE Transactions on Magnetism</i> , 2017 , 53, 1-4	2	2
36	High power and low critical current density spin transfer torque nano-oscillators using MgO barriers with intermediate thickness. <i>Scientific Reports</i> , 2017 , 7, 7237	4.9	18
35	Physical Origin and Theoretical Limit of the Phase Stability of a Spin-Torque Oscillator Stabilized by a Phase-Locked Loop. <i>Physical Review Applied</i> , 2017 , 7,	4.3	2
34	Stochastic Phase Synchronization of Perpendicularly Magnetized Spin-Torque Oscillators With the Second-Order Uniaxial Anisotropy. <i>IEEE Transactions on Magnetism</i> , 2017 , 53, 1-5	2	5
33	Long-range mutual synchronization of spin Hall nano-oscillators. <i>Nature Physics</i> , 2017 , 13, 292-299	16.2	160
32	Size dependence of vortex-type spin torque oscillation in a Co ₂ Fe _{0.4} Mn _{0.6} Si Heusler alloy disk. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 075005	3	4

31	Weak-field precession of nano-pillar spin-torque oscillators using MgO-based perpendicular magnetic tunnel junction. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 452, 188-192	2.8	4
30	Tuning of Microwave Frequency and Power Enhancement Using Spin Torque Nano-Oscillator With Tilted Polarizer. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-5	2	4
29	Spin transfer torque driven higher-order propagating spin waves in nano-contact magnetic tunnel junctions. <i>Nature Communications</i> , 2018 , 9, 4374	17.4	32
28	Ultrahigh detection sensitivity exceeding 105 V/W in spin-torque diode. <i>Applied Physics Letters</i> , 2018 , 113, 102401	3.4	29
27	Frequency and power enhanced Magneto Resistance-based Tilted Polarizer Spin Torque Nano-Oscillator. <i>Applied Physics A: Materials Science and Processing</i> , 2019 , 125, 1	2.6	1
26	Tunnel magnetoresistance angular and bias dependence enabling tuneable wireless communication. <i>Scientific Reports</i> , 2019 , 9, 9541	4.9	5
25	Spin Electronics. 2019 , 537-555		
24	Magnetodynamics in orthogonal nanocontact spin-torque nano-oscillators based on magnetic tunnel junctions. <i>Applied Physics Letters</i> , 2019 , 115, 152402	3.4	6
23	Activation of Microwave Signals in Nanoscale Magnetic Tunnel Junctions by Neuronal Action Potentials. <i>IEEE Magnetism Letters</i> , 2019 , 10, 1-5	1.6	1
22	Modulation and Demodulation of Digital Frequency Shift Keying System Based on Spin Torque Nano Oscillator with Voltage Controlled Magnetic Anisotropy Effect. 2019 ,		
21	All Perpendicular Spin Nano-Oscillators with Composite Free Layer. <i>Spin</i> , 2019 , 09, 1940010	1.3	1
20	On the synchronization phenomenon of a parallel array of spin torque nano-oscillators. <i>Physica D: Nonlinear Phenomena</i> , 2019 , 396, 70-81	3.3	2
19	Power-Efficient Spin-Torque Nano-Oscillator-Based Wireless Communication With CMOS High-Gain Low-Noise Transmitter and Receiver. <i>IEEE Transactions on Magnetics</i> , 2019 , 55, 1-10	2	3
18	Microwave magnetic field modulation of spin torque oscillator based on perpendicular magnetic tunnel junctions. <i>Scientific Reports</i> , 2019 , 9, 19091	4.9	0
17	Realization of mutual synchronization of spin torque nano-oscillators under room temperature by noise reduction technique. <i>Applied Physics Letters</i> , 2020 , 117, 082404	3.4	2
16	Robust phase shift keying modulation method for spin torque nano-oscillator. <i>Nanotechnology</i> , 2020 , 31, 375205	3.4	4
15	Spin-transfer dynamics in MgO-based magnetic tunnel junctions with an out-of-plane magnetized free layer and an in-plane polarizer. <i>Physical Review B</i> , 2020 , 101,	3.3	0
14	Reduced spin torque nano-oscillator linewidth using He + irradiation. <i>Applied Physics Letters</i> , 2020 , 116, 072403	3.4	10

13	Calibration and Parameter Extraction of STT-MTJ Device at High Frequency by Using De-Embedding Approach Based on TRL Calibration. <i>IEEE Transactions on Electron Devices</i> , 2021 , 68, 271-278	2.9	
12	Spintronics. 2021 , 305-424		1
11	Computer and network applications. 2021 , 473-577		
10	Electrically connected spin-torque oscillators array for 2.4 GHz WiFi band transmission and energy harvesting. <i>Nature Communications</i> , 2021 , 12, 2924	17.4	13
9	Prospect of Spintronics in Neuromorphic Computing. <i>Advanced Electronic Materials</i> , 2021 , 7, 2100465	6.4	10
8	Enhancement of frequency by tuning in-plane magnetic field in spin-torque oscillator. <i>Journal of Magnetism and Magnetic Materials</i> , 2021 , 532, 167989	2.8	0
7	Microwave Oscillators and Detectors Based on Magnetic Tunnel Junctions. 2021 , 3-44		4
6	Tunable Magnetic Vortex Dynamics in Ion-Implanted Permalloy Disks. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 27812-27818	9.5	5
5	Frequency conversion of microwave signal without direct bias current using nanoscale magnetic tunnel junctions. <i>Scientific Reports</i> , 2019 , 9, 828	4.9	3
4	Zero-field spin transfer oscillators based on magnetic tunnel junction having perpendicular polarizer and planar free layer. <i>AIP Advances</i> , 2016 , 6, 125305	1.5	6
3	Spin Oscillators. 2022 , 139-178		
2	Enhanced spin transfer torque in single barrier model tunnel junctions containing disordered interface.		
1	Compact Programmable True Random Number Generator Based on Spin Torque Nano-Oscillator. 2022 , 21, 648-654		0