## **Vincent Cros**

#### List of Publications by Citations

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14,381 119 144 57 h-index g-index citations papers 6.7 154 17,033 7.9 L-index avg, IF ext. papers ext. citations

#	Paper	IF	Citations
144	Skyrmions on the track. <i>Nature Nanotechnology</i> , <b>2013</b> , 8, 152-6	28.7	1790
143	Nucleation, stability and current-induced motion of isolated magnetic skyrmions in nanostructures. <i>Nature Nanotechnology</i> , <b>2013</b> , 8, 839-44	28.7	1044
142	Magnetic skyrmions: advances in physics and potential applications. <i>Nature Reviews Materials</i> , <b>2017</b> , 2,	73.3	841
141	Dynamics of Dzyaloshinskii domain walls in ultrathin magnetic films. <i>Europhysics Letters</i> , <b>2012</b> , 100, 570	0026	723
140	Additive interfacial chiral interaction in multilayers for stabilization of small individual skyrmions at room temperature. <i>Nature Nanotechnology</i> , <b>2016</b> , 11, 444-8	28.7	695
139	Neuromorphic computing with nanoscale spintronic oscillators. <i>Nature</i> , <b>2017</b> , 547, 428-431	50.4	558
138	Spin-torque building blocks. <i>Nature Materials</i> , <b>2014</b> , 13, 11-20	27	411
137	Spin-polarized current induced switching in Co/Cu/Co pillars. <i>Applied Physics Letters</i> , <b>2001</b> , 78, 3663-36	653.4	405
136	Switching a spin valve back and forth by current-induced domain wall motion. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 509-511	3.4	319
135	Evidence for room-temperature multiferroicity in a compound with a giant axial ratio. <i>Physical Review Letters</i> , <b>2009</b> , 102, 217603	7.4	306
134	Matching domain-wall configuration and spin-orbit torques for efficient domain-wall motion. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	285
133	Large microwave generation from current-driven magnetic vortex oscillators in magnetic tunnel junctions. <i>Nature Communications</i> , <b>2010</b> , 1, 8	17.4	280
132	Phase-locking of magnetic vortices mediated by antivortices. <i>Nature Nanotechnology</i> , <b>2009</b> , 4, 528-32	28.7	240
131	Vowel recognition with four coupled spin-torque nano-oscillators. <i>Nature</i> , <b>2018</b> , 563, 230-234	50.4	225
130	Room-Temperature Current-Induced Generation and Motion of sub-100 nm Skyrmions. <i>Nano Letters</i> , <b>2017</b> , 17, 2703-2712	11.5	215
129	Large magnetoresistance in Fe/MgO/FeCo(001) epitaxial tunnel junctions on GaAs(001). <i>Applied Physics Letters</i> , <b>2001</b> , 79, 1655-1657	3.4	202
128	Synchronization of spin-transfer oscillators driven by stimulated microwave currents. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	190

### (2009-2016)

127	Generation of coherent spin-wave modes in yttrium iron garnet microdiscs by spin-orbit torque. <i>Nature Communications</i> , <b>2016</b> , 7, 10377	17.4	173
126	Inverse spin Hall effect in nanometer-thick yttrium iron garnet/Pt system. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 082408	3.4	163
125	Electrical detection of single magnetic skyrmions in metallic multilayers at room temperature. <i>Nature Nanotechnology</i> , <b>2018</b> , 13, 233-237	28.7	154
124	Magnetic thin-film insulator with ultra-low spin wave damping for coherent nanomagnonics. <i>Scientific Reports</i> , <b>2014</b> , 4, 6848	4.9	145
123	Room-temperature stabilization of antiferromagnetic skyrmions in synthetic antiferromagnets. <i>Nature Materials</i> , <b>2020</b> , 19, 34-42	27	142
122	Shaped angular dependence of the spin-transfer torque and microwave generation without magnetic field. <i>Nature Physics</i> , <b>2007</b> , 3, 492-497	16.2	136
121	Vertical-current-induced domain-wall motion in MgO-based magnetic tunnel junctions with low current densities. <i>Nature Physics</i> , <b>2011</b> , 7, 626-630	16.2	132
120	A skyrmion-based spin-torque nano-oscillator. <i>New Journal of Physics</i> , <b>2016</b> , 18, 075011	2.9	128
119	Full control of the spin-wave damping in a magnetic insulator using spin-orbit torque. <i>Physical Review Letters</i> , <b>2014</b> , 113, 197203	7.4	124
118	Femtosecond single-shot imaging of nanoscale ferromagnetic order in Co/Pd multilayers using resonant x-ray holography. <i>Physical Review Letters</i> , <b>2012</b> , 108, 267403	7.4	124
117	Coupling efficiency for phase locking of a spin transfer nano-oscillator to a microwave current. <i>Physical Review Letters</i> , <b>2008</b> , 101, 017201	7.4	122
116	Structure and magnetism of Pd in Pd/Fe multilayers studied by x-ray magnetic circular dichroism at the Pd L2,3sedges. <i>Physical Review B</i> , <b>1997</b> , 55, 3663-3669	3.3	119
115	Atomistic Mechanism of Surfactant-Assisted Epitaxial Growth. <i>Physical Review Letters</i> , <b>1998</b> , 81, 850-85	3 <sub>7.4</sub>	116
114	Hybrid chiral domain walls and skyrmions in magnetic multilayers. <i>Science Advances</i> , <b>2018</b> , 4, eaat0415	14.3	112
113	Breathing modes of confined skyrmions in ultrathin magnetic dots. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	110
112	Approaching soft X-ray wavelengths in nanomagnet-based microwave technology. <i>Nature Communications</i> , <b>2016</b> , 7, 11255	17.4	107
111	Switching the magnetic configuration of a spin valve by current-induced domain wall motion. <i>Journal of Applied Physics</i> , <b>2002</b> , 92, 4825-4827	2.5	99
110	Vortex oscillations induced by spin-polarized current in a magnetic nanopillar: Analytical versus micromagnetic calculations. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	97

109	Impact of the electrical connection of spin transfer nano-oscillators on their synchronization: an analytical study. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 232504	3.4	97
108	Skyrmion Gas Manipulation for Probabilistic Computing. <i>Physical Review Applied</i> , <b>2018</b> , 9,	4.3	96
107	Dynamics of two coupled vortices in a spin valve nanopillar excited by spin transfer torque. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 062501	3.4	95
106	Domain wall displacement induced by subnanosecond pulsed current. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 2820-2822	3.4	94
105	Tunnel magnetoresistance in nanojunctions based on Sr2FeMoO6. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 26	529 <del>.</del> 463	193
104	High Domain Wall Velocities due to Spin Currents Perpendicular to the Plane. <i>Physical Review Letters</i> , <b>2009</b> , 102, 067206	7.4	91
103	The 2020 skyrmionics roadmap. <i>Journal Physics D: Applied Physics</i> , <b>2020</b> , 53, 363001	3	90
102	Controlling Dzyaloshinskii-Moriya Interaction via Chirality Dependent Atomic-Layer Stacking, Insulator Capping and Electric Field. <i>Scientific Reports</i> , <b>2018</b> , 8, 12356	4.9	88
101	Ultra-low damping insulating magnetic thin films get perpendicular. <i>Nature Communications</i> , <b>2018</b> , 9, 3355	17.4	82
100	Commensurability and chaos in magnetic vortex oscillations. <i>Nature Physics</i> , <b>2012</b> , 8, 682-687	16.2	80
99	Magnetization oscillations and waves driven by pure spin currents. <i>Physics Reports</i> , <b>2017</b> , 673, 1-31	27.7	78
98	Efficient Synchronization of Dipolarly Coupled Vortex-Based Spin Transfer Nano-Oscillators. <i>Scientific Reports</i> , <b>2015</b> , 5, 17039	4.9	76
97	Template-grown NiFe/Cu/NiFe nanowires for spin transfer devices. <i>Nano Letters</i> , <b>2007</b> , 7, 2563-7	11.5	75
96	Spin transfer experiments on (Ga,Mn)As[In,Ga)As[Ga,Mn)As tunnel junctions. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	73
95	Experimental evidence of the ferrimagnetic ground state of Sr 2 FeMoO 6 probed by X-ray magnetic circular dichroism. <i>Europhysics Letters</i> , <b>2002</b> , 60, 608-614	1.6	70
94	Phase locking of vortex based spin transfer oscillators to a microwave current. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 132506	3.4	67
93	Identification and selection rules of the spin-wave eigenmodes in a normally magnetized nanopillar. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	66
92	Phase locking dynamics of dipolarly coupled vortex-based spin transfer oscillators. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	64

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91	High-efficiency control of spin-wave propagation in ultra-thin yttrium iron garnet by the spin-orbit torque. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 172406	3.4	63
90	Spin-wave propagation in ultra-thin YIG based waveguides. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 092408	3.4	62
89	Field dependence of spin-transfer-induced vortex dynamics in the nonlinear regime. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	59
88	Mutual synchronization of spin torque nano-oscillators through a long-range and tunable electrical coupling scheme. <i>Nature Communications</i> , <b>2017</b> , 8, 15825	17.4	57
87	Measurement of the intrinsic damping constant in individual nanodisks of Y3Fe5O12 and Y3Fe5O12 Pt. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 152410	3.4	56
86	Response to noise of a vortex based spin transfer nano-oscillator. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	54
85	Nanolithography Based on Real-Time Electrically Controlled Indentation with an Atomic Force Microscope for Nanocontact Elaboration. <i>Nano Letters</i> , <b>2003</b> , 3, 1599-1602	11.5	52
84	Origin of the spectral linewidth in nonlinear spin-transfer oscillators based on MgO tunnel junctions. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	50
83	Interlayer coupling across noble metal spacers. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1993</b> , 126, 367-373	2.8	49
82	Spin-torque resonant expulsion of the vortex core for an efficient radiofrequency detection scheme. <i>Nature Nanotechnology</i> , <b>2016</b> , 11, 360-4	28.7	48
81	High emission power and Q factor in spin torque vortex oscillator consisting of FeB free layer. <i>Applied Physics Express</i> , <b>2014</b> , 7, 063009	2.4	48
80	Nonuniformity of a planar polarizer for spin-transfer-induced vortex oscillations at zero field. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 212507	3.4	46
79	Magnetism of the Fe/ZnSe(001) interface. <i>Physical Review Letters</i> , <b>2002</b> , 88, 217202	7.4	46
78	Chirality in Magnetic Multilayers Probed by the Symmetry and the Amplitude of Dichroism in X-Ray Resonant Magnetic Scattering. <i>Physical Review Letters</i> , <b>2018</b> , 120, 037202	7.4	44
77	Noise-Enhanced Synchronization of Stochastic Magnetic Oscillators. <i>Physical Review Applied</i> , <b>2014</b> , 2,	4.3	41
76	Understanding of Phase Noise Squeezing Under Fractional Synchronization of a Nonlinear Spin Transfer Vortex Oscillator. <i>Physical Review Letters</i> , <b>2015</b> , 115, 017201	7.4	40
75	Numerical and analytical investigation of the synchronization of dipolarly coupled vortex spin-torque nano-oscillators. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 122405	3.4	39
74	Influence of surfactants on atomic diffusion. <i>Surface Science</i> , <b>2000</b> , 459, 135-148	1.8	35

73	Point-contact electrodes to probe charging effects in individual ultrasmall cobalt clusters. <i>Applied Physics Letters</i> , <b>1998</b> , 72, 386-388	3.4	34
72	Self-Injection Locking of a Vortex Spin Torque Oscillator by Delayed Feedback. <i>Scientific Reports</i> , <b>2016</b> , 6, 26849	4.9	34
71	Review of recent results on spin polarized tunneling and magnetic switching by spin injection. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2001</b> , 84, 1-9	3.1	31
70	Perfect and robust phase-locking of a spin transfer vortex nano-oscillator to an external microwave source. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 022408	3.4	30
69	Origin of spectral purity and tuning sensitivity in a spin transfer vortex nano-oscillator. <i>Physical Review Letters</i> , <b>2014</b> , 112, 257201	7.4	30
68	Large amplitude spin torque vortex oscillations at zero external field using a perpendicular spin polarizer. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 022404	3.4	30
67	Reversible and irreversible current induced domain wall motion in CoFeB based spin valves stripes. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 232505	3.4	30
66	Scaling up electrically synchronized spin torque oscillator networks. <i>Scientific Reports</i> , <b>2018</b> , 8, 13475	4.9	29
65	Nanolithography based contacting method for electrical measurements on single template synthesized nanowires. <i>Nanotechnology</i> , <b>2005</b> , 16, 2936-2940	3.4	28
64	Emission of Coherent Propagating Magnons by Insulator-Based Spin-Orbit-Torque Oscillators. <i>Physical Review Applied</i> , <b>2018</b> , 10,	4.3	27
63	Temporal pattern recognition with delayed feedback spin-torque nano-oscillators. <i>Physical Review Applied</i> , <b>2019</b> , 12,	4.3	26
62	A transmission electron microscope study of Nel skyrmion magnetic textures in multilayer thin film systems with large interfacial chiral interaction. <i>Scientific Reports</i> , <b>2018</b> , 8, 5703	4.9	26
61	Disruptive effect of Dzyaloshinskii-Moriya interaction on the magnetic memory cell performance. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 112403	3.4	26
60	Spin wave amplification using the spin Hall effect in permalloy/platinum bilayers. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 202407	3.4	26
59	Dzyaloshinskii-Moriya interaction at disordered interfaces from ab initio theory: Robustness against intermixing and tunability through dusting. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 232403	3.4	26
58	Dzyaloshinskii-Moriya anisotropy in nanomagnets with in-plane magnetization. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	25
57	Influence of geometry on current-driven vortex oscillations in nanocontact devices. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	24
56	Nonlinear spin conductance of yttrium iron garnet thin films driven by large spin-orbit torque. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	23

55	Controlling the chirality and polarity of vortices in magnetic tunnel junctions. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 172403	3.4	23
54	Nonlinear Behavior and Mode Coupling in Spin-Transfer Nano-Oscillators. <i>Physical Review Applied</i> , <b>2014</b> , 2,	4.3	23
53	Reversal process of a magnetic vortex core under the combined action of a perpendicular field and spin transfer torque. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 062401	3.4	21
52	Current-driven skyrmion expulsion from magnetic nanostrips. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	21
51	Modeling the Shape of Axisymmetric Skyrmions in Magnetic Multilayers. <i>Physical Review Applied</i> , <b>2018</b> , 10,	4.3	21
50	Current-Induced Spin Torques on Single GdFeCo Magnetic Layers. <i>Advanced Materials</i> , <b>2021</b> , 33, e20070	0474	20
49	Microwave signal emission in spin-torque vortex oscillators in metallic nanowires: Experimental measurements and micromagnetic numerical study. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	19
48	Parametric excitation of magnetic vortex gyrations in spin-torque nano-oscillators. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	18
47	Temperature dependence of microwave voltage emission associated to spin-transfer induced vortex oscillation in magnetic tunnel junction. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 042408	3.4	17
46	Optimizing magnetodipolar interactions for synchronizing vortex based spin-torque nano-oscillators. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	16
45	Autonomous and forced dynamics in a spin-transfer nano-oscillator: Quantitative magnetic-resonance force microscopy. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	16
44	Chaos in Magnetic Nanocontact Vortex Oscillators. <i>Physical Review Letters</i> , <b>2019</b> , 123, 147701	7.4	15
43	Single spin-torque vortex oscillator using combined bottom-up approach and e-beam lithography. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 222402	3.4	15
42	SpinBrbit-torque magnonics. <i>Journal of Applied Physics</i> , <b>2020</b> , 127, 170901	2.5	14
41	Imaging non-collinear antiferromagnetic textures via single spin relaxometry. <i>Nature Communications</i> , <b>2021</b> , 12, 767	17.4	14
40	Magnetization reversal signatures in the magnetoresistance of magnetic multilayers. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	13
39	Quantitative imaging of hybrid chiral spin textures in magnetic multilayer systems by Lorentz microscopy. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	13
38	Vortex spin-torque oscillator stabilized by phase locked loop using integrated circuits. <i>AIP Advances</i> , <b>2017</b> , 7, 056653	1.5	11

37	Controlled Individual Skyrmion Nucleation at Artificial Defects Formed by Ion Irradiation. <i>Small</i> , <b>2020</b> , 16, e1907450	11	11
36	Tailored Flux Pinning in Superconductor-Ferromagnet Multilayers with Engineered Magnetic Domain Morphology From Stripes to Skyrmions. <i>Physical Review Applied</i> , <b>2020</b> , 13,	4.3	11
35	Bottom-up approach for the fabrication of spin torque nano-oscillators. <i>Journal Physics D: Applied Physics</i> , <b>2011</b> , 44, 105003	3	11
34	Nutation Spectroscopy of a Nanomagnet Driven into Deeply Nonlinear Ferromagnetic Resonance. <i>Physical Review X</i> , <b>2019</b> , 9,	9.1	11
33	Spin momentum transfer effects observed in electrodeposited Co/Cu/Co nanowires. <i>Journal of Applied Physics</i> , <b>2007</b> , 102, 103906	2.5	10
32	Spin transfer driven resonant expulsion of a magnetic vortex core for efficient rf detector. <i>AIP Advances</i> , <b>2017</b> , 7, 056608	1.5	9
31	Improved Spectral Stability in Spin-Transfer Nano-Oscillators: Single Vortex Versus Coupled Vortices Dynamics. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-6	2	9
30	Detection of the Microwave Emission from a Spin-Torque Oscillator by a Spin Diode. <i>Physical Review Applied</i> , <b>2020</b> , 13,	4.3	9
29	Low offset frequency 1/f flicker noise in spin-torque vortex oscillators. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	8
28	Probing Phase Coupling Between Two Spin-Torque Nano-Oscillators with an External Source. <i>Physical Review Letters</i> , <b>2017</b> , 118, 247202	7.4	8
27	INFLUENCE OF SHAPE IMPERFECTION ON DYNAMICS OF VORTEX SPIN-TORQUE NANO-OSCILLATOR. <i>Spin</i> , <b>2012</b> , 02, 1250005	1.3	8
26	Frequency Filtering with a Magnonic Crystal Based on Nanometer-Thick Yttrium Iron Garnet Films. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 121-128	5.6	8
25	Thermoelectric Signature of Individual Skyrmions. <i>Physical Review Letters</i> , <b>2021</b> , 126, 077202	7.4	7
24	Designing Large Arrays of Interacting Spin-Torque Nano-Oscillators for Microwave Information Processing. <i>Physical Review Applied</i> , <b>2020</b> , 13,	4.3	5
23	The 2007 Nobel Prize in Physics: Albert Fert and Peter Grüberg <b>2009</b> , 147-157		5
22	Enhancing the injection locking range of spin torque oscillators through mutual coupling. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 252404	3.4	5
21	Large amplitude vortex gyration in permalloy/Bi2Se3-like heterostructures. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	4
20	Pattern generation and symbolic dynamics in a nanocontact vortex oscillator. <i>Nature Communications</i> , <b>2020</b> , 11, 601	17.4	3

# (2021-2021)

19	Evidence for spin current driven Bose-Einstein condensation of magnons. <i>Nature Communications</i> , <b>2021</b> , 12, 6541	17.4	3	
18	Influence of flicker noise and nonlinearity on the frequency spectrum of spin torque nano-oscillators. <i>Scientific Reports</i> , <b>2020</b> , 10, 13116	4.9	3	
17	Electrical characterisation of higher order spin wave modes in vortex-based magnetic tunnel junctions. <i>Communications Physics</i> , <b>2021</b> , 4,	5.4	3	
16	Electrical measurement of magnetic-field-impeded polarity switching of a ferromagnetic vortex core. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	3	
15	Selective control of vortex polarities by microwave field in two robustly synchronized spin-torque nano-oscillators. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 022405	3.4	2	
14	Modulation and phase-locking in nanocontact vortex oscillators. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	2	
13	Chirality-mediated bistability and strong frequency downshifting of the gyrotropic resonance of a magnetic vortex due to dynamic destiffening. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	2	
12	Basic Spintronic Transport Phenomena <b>2016</b> , 1-28		2	
11	Beyond the gyrotropic motion: Dynamic C-state in vortex spin torque oscillators. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 012404	3.4	2	
10	Promising Prospects for Chiral Domain Walls and Magnetic Skyrmions as a New Way to Manipulate and Store Information <b>2017</b> , 201-238		1	
9	Electrical Signature of Noncollinear Magnetic Textures in Synthetic Antiferromagnets. <i>Physical Review Applied</i> , <b>2020</b> , 14,	4.3	1	
8	Skyrmions in magnetic multilayers: chirality, electrical detection and current-induced motion <b>2017</b> ,		1	
7	Binding events through the mutual synchronization of spintronic nano-neurons <i>Nature Communications</i> , <b>2022</b> , 13, 883	17.4	1	
6	Ultrafast time-evolution of chiral NBI magnetic domain walls probed by circular dichroism in x-ray resonant magnetic scattering <i>Nature Communications</i> , <b>2022</b> , 13, 1412	17.4	1	
5	Flicker and random telegraph noise between gyrotropic and dynamic C-state of a vortex based spin torque nano oscillator. <i>AIP Advances</i> , <b>2021</b> , 11, 035042	1.5	0	
4	Spin <b>E</b> orque dynamics for noise reduction in vortex-based sensors. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 122401	3.4	O	
3	Ferrimagnet GdFeCo Characterization for Spin-Orbitronics: Large Field-Like and Damping-Like Torques. <i>Physica Status Solidi - Rapid Research Letters</i> ,2200035	2.5	O	
2	Reservoir Computing Leveraging the Transient Non-linear Dynamics of Spin-Torque Nano-Oscillators. <i>Natural Computing Series</i> , <b>2021</b> , 307-329	2.5		

Spintronics and Synchrotron Radiation. *Springer Proceedings in Physics*, **2021**, 131-163

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