Johan Ãkerman

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4077861/publications.pdf

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279 papers 10,733 citations

³⁸⁷⁴² 50 h-index

93 g-index

283 all docs $\begin{array}{c} 283 \\ \text{docs citations} \end{array}$

times ranked

283

7163 citing authors

#	Article	IF	Citations
1	Memristive control of mutual spin Hall nano-oscillator synchronization for neuromorphic computing. Nature Materials, 2022, 21, 81-87.	27.5	63
2	Impact of Random Grain Structure on Spin-Hall Nano-Oscillator Modal Stability. IEEE Electron Device Letters, 2022, 43, 312-315.	3.9	5
3	Phase-Binarized Spin Hall Nano-Oscillator Arrays: Towards Spin Hall Ising Machines. Physical Review Applied, 2022, 17, .	3 . 8	33
4	Femtosecond laser comb driven perpendicular standing spin waves. Applied Physics Letters, 2022, 120, .	3.3	3
5	Fabrication of voltage-gated spin Hall nano-oscillators. Nanoscale, 2022, 14, 1432-1439.	5.6	16
6	Advances in Magnetics Roadmap on Spin-Wave Computing. IEEE Transactions on Magnetics, 2022, 58, 1-72.	2.1	179
7	Experimental confirmation of the delayed Ni demagnetization in FeNi alloy. Applied Physics Letters, 2022, 120, .	3 . 3	8
8	Ultrathin Ferrimagnetic GdFeCo Films with Low Damping. Advanced Functional Materials, 2022, 32, .	14.9	11
9	Observation of magnetic droplets in magnetic tunnel junctions. Science China: Physics, Mechanics and Astronomy, 2022, 65, .	5.1	11
10	Freezing and thawing magnetic droplet solitons. Nature Communications, 2022, 13, 2462.	12.8	6
11	Magnetic force microscopy of an operational spin nano-oscillator. Microsystems and Nanoengineering, 2022, 8, .	7. 0	3
12	Optothermal control of spin Hall nano-oscillators. Applied Physics Letters, 2022, 120, .	3.3	8
13	Mutual Synchronization of Constriction-Based Spin Hall Nano-Oscillators in Weak In-Plane Magnetic Fields. Physical Review Applied, 2022, 18, .	3.8	3
14	Femtosecond Laser Pulse Driven Caustic Spin Wave Beams. Physical Review Letters, 2021, 126, 037204.	7.8	17
15	Femtosecond laser driven precessing magnetic gratings. Nanoscale, 2021, 13, 3746-3756.	5.6	9
16	Compositional effect on auto-oscillation behavior of Ni100â^'xFex/Pt spin Hall nano-oscillators. Applied Physics Letters, 2021, 118, .	3.3	9
17	Ultrafast Ising Machines using spin torque nano-oscillators. Applied Physics Letters, 2021, $118,\ldots$	3.3	45
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19	Roadmap of Spin–Orbit Torques. IEEE Transactions on Magnetics, 2021, 57, 1-39.	2.1	225
20	Using the photoinduced L3 resonance shift in Fe and Ni as time reference for ultrafast experiments at low flux soft x-ray sources. Structural Dynamics, 2021, 8, 044304.	2.3	1
21	Measuring spin wave resonance in Ni ₁₀₀ â°' _x Fe _x films: compositional and temperature dependence. Journal Physics D: Applied Physics, 2021, 54, 445002.	2.8	3
22	Microwave Oscillators and Detectors Based on Magnetic Tunnel Junctions., 2021,, 3-44.		4
23	Brillouin light scattering investigations of films and magnetic tunnel junctions with perpendicular magnetic anisotropy at the CoFeB–MgO interface. Journal Physics D: Applied Physics, 2021, 54, 135005.	2.8	2
24	Enhanced Modulation Bandwidth of a Magnetic Tunnel Junction-Based Spin Torque Nano-Oscillator Under Strong Current Modulation. IEEE Electron Device Letters, 2021, 42, 1886-1889.	3.9	2
25	Two-dimensional mutually synchronized spin Hall nano-oscillator arrays for neuromorphic computing. Nature Nanotechnology, 2020, 15, 47-52.	31.5	181
26	A Magnetic Field-to-Digital Converter Employing a Spin-Torque Nano-Oscillator. IEEE Nanotechnology Magazine, 2020, 19, 565-570.	2.0	5
27	Giant voltage-controlled modulation of spin Hall nano-oscillator damping. Nature Communications, 2020, 11, 4006.	12.8	48
28	Opportunities and challenges for spintronics in the microelectronics industry. Nature Electronics, 2020, 3, 446-459.	26.0	471
29	Tuning Magnetic Droplets in Nanocontact Spin-Torque Oscillators Using Electric Fields. Physical Review Applied, 2020, 14, .	3.8	6
30	Sustained coherent spin wave emission using frequency combs. Physical Review B, 2020, 101, .	3.2	10
31	Width dependent auto-oscillating properties of constriction based spin Hall nano-oscillators. Applied Physics Letters, 2020, 116, .	3.3	21
32	Influence of interfacial magnetic ordering and field-cooling effect on perpendicular exchange bias and magnetoresistance in nanoporous IrMn/[Co/Pd] films. Journal of Applied Physics, 2020, 127, .	2.5	6
33	Enhanced skyrmion motion via strip domain wall. Physical Review B, 2020, 101, .	3.2	23
34	Correlation of magnetic and magnetoresistive properties of nanoporous Co/Pd thin multilayers fabricated on anodized TiO2 templates. Scientific Reports, 2020, 10, 10838.	3.3	4
35	Nonreciprocal spin pumping damping in asymmetric magnetic trilayers. Physical Review B, 2020, 101, .	3.2	13
36	Reduced spin torque nano-oscillator linewidth using He + irradiation. Applied Physics Letters, 2020, 116, 072403.	3.3	19

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37	Complex magnetic ordering in nanoporous [Co/Pd] < sub > 5 < /sub > -IrMn multilayers with perpendicular magnetic anisotropy and its impact on magnetization reversal and magnetoresistance. Physical Chemistry Chemical Physics, 2020, 22, 3661-3674.	2.8	8
38	Chiral excitations of magnetic droplet solitons driven by their own inertia. Physical Review B, 2020, 101, .	3.2	9
39	Analysis of the linear relationship between asymmetry and magnetic moment at the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>M</mml:mi></mml:math> <mml:mrow><mml:mn>3</mml:mn><mml:mi>d</mml:mi></mml:mrow>	3.6 > <td>16 row></td>	16 row>
40	Frequency comb enhanced Brillouin microscopy. Optics Express, 2020, 28, 29540.	3.4	6
41	Compact Macrospin-Based Model of Three-Terminal Spin-Hall Nano Oscillators. IEEE Transactions on Magnetics, 2019, 55, 1-8.	2.1	5
42	Tuning exchange-dominated spin-waves using lateral current spread in nanocontact spin-torque nano-oscillators. Journal of Magnetism and Magnetic Materials, 2019, 492, 165503.	2.3	3
43	Magnetodynamics in orthogonal nanocontact spin-torque nano-oscillators based on magnetic tunnel junctions. Applied Physics Letters, 2019, $115,\ldots$	3.3	11
44	Time-resolved imaging of magnetization dynamics in double nanocontact spin torque vortex oscillator devices. Physical Review B, 2019, 100 , .	3.2	3
45	Subterahertz ferrimagnetic spin-transfer torque oscillator. Physical Review B, 2019, 100, .	3.2	34
46	Spin-orbit torque–driven propagating spin waves. Science Advances, 2019, 5, eaax8467.	10.3	77
47	A single layer spin-orbit torque nano-oscillator. Nature Communications, 2019, 10, 2362.	12.8	66
48	Magnetization reversal of antiferromagnetically coupled (Co/Ni) and (Co/Pt) multilayers. Journal of Magnetism and Magnetic Materials, 2019, 479, 27-31.	2.3	10
49	Enhanced Perpendicular Exchange Bias in Co/Pd Antidot Arrays. Journal of Electronic Materials, 2019, 48, 1492-1497.	2.2	7
50	Origin of Magnetization Auto-Oscillations in Constriction-Based Spin Hall Nano-Oscillators. Physical Review Applied, 2018, 9, .	3.8	52
51	Influence of MgO barrier quality on spin-transfer torque in magnetic tunnel junctions. Applied Physics Letters, 2018, 112, .	3.3	8
52	Magnetic droplet soliton nucleation in oblique fields. Physical Review B, 2018, 97, .	3.2	17
53	Effect of flattened surface morphology of anodized aluminum oxide templates on the magnetic properties of nanoporous Co/Pt and Co/Pd thin multilayered films. Applied Surface Science, 2018, 427, 649-655.	6.1	25
54	Magnetic graphene/Ni-nano-crystal hybrid for small field magnetoresistive effect synthesized via electrochemical exfoliation/deposition technique. Journal of Materials Science: Materials in Electronics, 2018, 29, 4171-4178.	2.2	15

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55	Spatial mapping of torques within a spin Hall nano-oscillator. Physical Review B, 2018, 98, .	3.2	15
56	Using Magnetic Droplet Nucleation to Determine the Spin Torque Efficiency and Asymmetry in <mml:math display="inline" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>Co</mml:mi>x</mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml< td=""><td>nrow><mn< td=""><td>nl:mi>(Ni,</td></mn<></td></mml<></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:math>	nrow> <mn< td=""><td>nl:mi>(Ni,</td></mn<>	nl:mi>(Ni,
57	Auto-oscillating Spin-Wave Modes of Constriction-Based Spin Hall Nano-oscillators in Weak In-Plane Fields. Physical Review Applied, 2018, 10, .	3.8	28
58	Time resolved imaging of the non-linear bullet mode within an injection-locked nano-contact spin Hall nano-oscillator. Applied Physics Letters, 2018, 113, .	3.3	10
59	Ultra-fast logic devices using artificial "neurons―based on antiferromagnetic pulse generators. Journal of Applied Physics, 2018, 124, .	2.5	36
60	Spin Transfer Torque Driven Magnetodynamical Solitons. Springer Series in Solid-state Sciences, 2018, , 335-356.	0.3	1
61	Ultra-fast artificial neuron: generation of picosecond-duration spikes in a current-driven antiferromagnetic auto-oscillator. Scientific Reports, 2018, 8, 15727.	3.3	61
62	Spin transfer torque driven higher-order propagating spin waves in nano-contact magnetic tunnel junctions. Nature Communications, 2018, 9, 4374.	12.8	43
63	[Co/Ni] multilayers with robust post-annealing performance for spintronics device applications. Journal Physics D: Applied Physics, 2018, 51, 465002.	2.8	10
64	Improving the magnetodynamical properties of NiFe/Pt bilayers through Hf dusting. Applied Physics Letters, 2018, 113 , .	3.3	12
65	Direct Observation of Zhang-Li Torque Expansion of Magnetic Droplet Solitons. Physical Review Letters, 2018, 120, 217204.	7.8	27
66	CMOS compatible W/CoFeB/MgO spin Hall nano-oscillators with wide frequency tunability. Applied Physics Letters, 2018, 112 , .	3.3	47
67	Impact of the Oersted Field on Droplet Nucleation Boundaries. IEEE Magnetics Letters, 2018, 9, 1-4.	1.1	8
68	Investigation of magnetic droplet solitons using x-ray holography with extended references. Scientific Reports, 2018, 8, 11533.	3.3	3
69	Tuning the magnetodynamic properties of all-perpendicular spin valves using He+ irradiation. AIP Advances, 2018, 8, 065309.	1.3	3
70	Microwave probe stations with three-dimensional control of the magnetic field to study high-frequency dynamics in nanoscale devices. Review of Scientific Instruments, 2018, 89, 064701.	1.3	3
71	Ferromagnetic and Spin-Wave Resonance on Heavy-Metal-Doped Permalloy Films: Temperature Effects. IEEE Magnetics Letters, 2017, 8, 1-4.	1.1	18
72	Order of magnitude improvement of nano-contact spin torque nano-oscillator performance. Nanoscale, 2017, 9, 1896-1900.	5. 6	17

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73	A 20 nm spin Hall nano-oscillator. Nanoscale, 2017, 9, 1285-1291.	5.6	55
74	Parametric autoexcitation of magnetic droplet soliton perimeter modes. Physical Review B, 2017, 95, .	3.2	32
7 5	Current Modulation of Nanoconstriction Spin-Hall Nano-Oscillators. IEEE Magnetics Letters, 2017, 8, 1-4.	1.1	19
76	Phase-locking of multiple magnetic droplets by a microwave magnetic field. AIP Advances, 2017, 7, .	1.3	8
77	Spin transfer torque ferromagnetic resonance induced spin pumping in the Fe/Pd bilayer system. Physical Review B, 2017, 95, .	3.2	36
78	Ni thickness influence on magnetic properties (Co/Ni/Co/Pt) multilayers with perpendicular magnetic anisotropy. Journal of Magnetism and Magnetic Materials, 2017, 441, 585-589.	2.3	3
79	Interfacial Dzyaloshinskii-Moriya Interaction in <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>CoFeB</mml:mi> films: Effect of the Heavy-Metal Thickness. Physical Review Letters. 2017, 118, 147201.</mml:math>	o √ ,8 <th>l:165h></th>	l: 165 h>
80	Imaging magnetisation dynamics in nano-contact spin-torque vortex oscillators exhibiting gyrotropic mode splitting. Journal Physics D: Applied Physics, 2017, 50, 164003.	2.8	11
81	Controlled skyrmion nucleation in extended magnetic layers using a nanocontact geometry. Physical Review B, 2017, 96, .	3.2	16
82	Anisotropy constant and exchange coupling strength of perpendicularly magnetized CoFeB/Pd multilayers and exchange springs. Physical Review B, 2017, 95, .	3.2	4
83	Time-domain stability of parametric synchronization in a spin-torque nano-oscillator based on a magnetic tunnel junction. Physical Review B, 2017, 96, .	3.2	11
84	Antidamping spin-orbit torques in epitaxial-Py(100)/ $\langle i \rangle \hat{l}^2 \langle i \rangle$ -Ta. Applied Physics Letters, 2017, 111, .	3.3	15
85	A high-speed single sideband generator using a magnetic tunnel junction spin torque nano-oscillator. Scientific Reports, 2017, 7, 13422.	3.3	17
86	Paving Spin-Wave Fibers in Magnonic Nanocircuits Using Spin-Orbit Torque. Physical Review Applied, 2017, 7, .	3.8	16
87	Long-range mutual synchronization of spin Hall nano-oscillators. Nature Physics, 2017, 13, 292-299.	16.7	221
88	Order of magnitude improvement of nano-contact spin torque nano-oscillator performance., 2017,,.		0
89	Magnetic droplet nucleation boundary in orthogonal spin-torque nano-oscillators. Nature Communications, 2016, 7, 11209.	12.8	46
90	Enhancement of spin-torque diode sensitivity in a magnetic tunnel junction by parametric synchronization. Applied Physics Letters, 2016, 108, .	3.3	22

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91	Low operational current spin Hall nano-oscillators based on NiFe/W bilayers. Applied Physics Letters, 2016, 109, .	3.3	54
92	Low-current, narrow-linewidth microwave signal generation in NiMnSb based single-layer nanocontact spin-torque oscillators. Applied Physics Letters, 2016, 109, .	3.3	3
93	Superharmonic injection locking of nanocontact spin-torque vortex oscillators. Physical Review B, 2016, 94, .	3.2	12
94	Free- and reference-layer magnetization modes versus in-plane magnetic field in a magnetic tunnel junction with perpendicular magnetic easy axis. Physical Review B, 2016, 94, .	3.2	4
95	Ferromagnetic resonance measurements of (Co/Ni/Co/Pt) multilayers with perpendicular magnetic anisotropy. Journal Physics D: Applied Physics, 2016, 49, 425002.	2.8	16
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97	Variable variance Preisach model for multilayers with perpendicular magnetic anisotropy. Physical Review B, 2016, 94, .	3.2	3
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99	Magnetostatically driven domain replication in Ni/Co based perpendicular pseudo-spin-valves. Journal Physics D: Applied Physics, 2016, 49, 415004.	2.8	3
100	All-optical study of tunable ultrafast spin dynamics in [Co/Pd]/NiFe systems: the role of spin-twist structure on Gilbert damping. RSC Advances, 2016, 6, 80168-80173.	3.6	11
101	Merging droplets in double nanocontact spin torque oscillators. Physical Review B, 2016, 93, .	3.2	24
102	Homodyne-detected ferromagnetic resonance of in-plane magnetized nanocontacts: Composite spin-wave resonances and their excitation mechanism. Physical Review B, 2016, 93, .	3.2	10
103	Spin-Torque and Spin-Hall Nano-Oscillators. Proceedings of the IEEE, 2016, 104, 1919-1945.	21.3	276
104	Holographic Magnetic Imaging of Single-Layer Nanocontact Spin-Transfer Oscillators. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	3
105	Modulation of the Spectral Characteristics of a Nano-Contact Spin-Torque Oscillator via Spin Waves in an Adjacent Yttrium-Iron Garnet Film. IEEE Magnetics Letters, 2016, 7, 1-4.	1.1	7
106	Spin-wave-beam driven synchronization of nanocontact spin-torque oscillators. Nature Nanotechnology, 2016, 11, 280-286.	31.5	119
107	Monte Carlo Modeling of Mixed-Anisotropy \$[ext{Co/Ni}]_{2}/ext{NiFe}\$ Multilayers. IEEE Magnetics Letters, 2016, 7, 1-5.	1.1	3
108	Ferromagnetic resonance measurements of (Co/Ni/Co/Pt) multilayers with perpendicular magnetic anisotropy. Journal Physics D: Applied Physics, 2016, 49, .	2.8	0

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109	Planar hall effect bridge sensor with NiFeX (X = Cu, Ag and Au) sensing layer., 2015,,.		0
110	Propagating spin waves excited by spin-transfer torque: A combined electrical and optical study. Physical Review B, 2015, 92, .	3.2	32
111	Tunable damping, saturation magnetization, and exchange stiffness of half-Heusler NiMnSb thin films. Physical Review B, 2015, 92, .	3.2	49
112	Magnetic droplet solitons in orthogonal spin valves. Low Temperature Physics, 2015, 41, 833-837.	0.6	21
113	Spin Hall effect-controlled magnetization dynamics in NiMnSb. Journal of Applied Physics, 2015, 117, 17E103.	2.5	12
114	Mode-coupling mechanisms in nanocontact spin-torque oscillators. Physical Review B, 2015, 91, .	3.2	21
115	Au/NiFe magnetoplasmonics: Large enhancement of magneto-optical kerr effect for magnetic field sensors and memories. Electronic Materials Letters, 2015, 11, 440-446.	2.2	25
116	Modulation rate study in spin torque oscillator based wireless communication system., 2015,,.		0
117	Planar Hall-Effect Bridge Sensor With NiFeX (X <inline-formula> <tex-math) 0.784314="" 1="" etqq1="" ove<br="" rgbt="" tj="">Transactions on Magnetics, 2015, 51, 1-4.</tex-math)></inline-formula>		Tf 50 427 Tc 3
118	Measuring acoustic mode resonance alone as a sensitive technique to extract antiferromagnetic coupling strength. Physical Review B, 2015, 92, .	3.2	10
119	Modulation Rate Study in a Spin-Torque Oscillator-Based Wireless Communication System. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	18
120	Tunable permalloy-based films for magnonic devices. Physical Review B, 2015, 92, .	3.2	61
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123	Comprehensive and Macrospin-Based Magnetic Tunnel Junction Spin Torque Oscillator Model-Part II: Verilog-A Model Implementation. IEEE Transactions on Electron Devices, 2015, 62, 1045-1051.	3.0	11
124	Exponentially decaying magnetic coupling in sputtered thin film FeNi/Cu/FeCo trilayers. Applied Physics Letters, 2015, 106, .	3.3	22
125	Graphene spintronics: the European Flagship perspective. 2D Materials, 2015, 2, 030202.	4.4	243
126	Comprehensive and Macrospin-Based Magnetic Tunnel Junction Spin Torque Oscillator Model-Part I: Analytical Model of the MTJ STO. IEEE Transactions on Electron Devices, 2015, 62, 1037-1044.	3.0	15

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127	Active Magnetoplasmonic Ruler. Nano Letters, 2015, 15, 3204-3211.	9.1	48
128	Thickness- and temperature-dependent magnetodynamic properties of yttrium iron garnet thin films. Journal of Applied Physics, 2015, 117, .	2.5	46
129	Integration of GMR-based spin torque oscillators and CMOS circuitry. Solid-State Electronics, 2015, 111, 91-99.	1.4	11
130	Domain structures and magnetization reversal in Co/Pd and CoFeB/Pd multilayers. Journal of Applied Physics, 2015, 117, .	2.5	14
131	Role of boron diffusion in CoFeB/MgO magnetic tunnel junctions. Physical Review B, 2015, 91, .	3.2	40
132	Exchange coupling in hybrid anisotropy magnetic multilayers quantified by vector magnetometry. Journal of Applied Physics, 2015, 117, 178526.	2.5	6
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