

# Sheng Jiang

## List of Publications by Year in descending order

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28  
papers

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28  
docs citations

28  
times ranked

528  
citing authors

#	ARTICLE	IF	CITATIONS
1	Low operational current spin Hall nano-oscillators based on NiFe/W bilayers. Applied Physics Letters, 2016, 109, .	1.5	54
2	CMOS compatible W/CoFeB/MgO spin Hall nano-oscillators with wide frequency tunability. Applied Physics Letters, 2018, 112, .	1.5	47
3	Direct Observation of Zhang-Li Torque Expansion of Magnetic Droplet Solitons. Physical Review Letters, 2018, 120, 217204.	2.9	27
4	Selective Tuning of Gilbert Damping in Spin-Valve Trilayer by Insertion of Rare-Earth Nanolayers. ACS Applied Materials & Interfaces, 2015, 7, 17070-17075.	4.0	22
5	Ferromagnetic resonance linewidth and two-magnon scattering in Fe <sub>1-x</sub> Gd <sub>x</sub> thin films. AIP Advances, 2017, 7, .	0.6	22
6	Reduced spin torque nano-oscillator linewidth using He + irradiation. Applied Physics Letters, 2020, 116, 072403.	1.5	19
7	Engineering Gilbert damping by dilute Gd doping in soft magnetic Fe thin films. Journal of Applied Physics, 2014, 115, 17A308.	1.1	14
8	The influence of interface on spin pumping effect in Ni <sub>80</sub> Fe <sub>20</sub> /Tb bilayer. AIP Advances, 2016, 6, 056120.	0.6	12
9	Magnetodynamics in orthogonal nanocontact spin-torque nano-oscillators based on magnetic tunnel junctions. Applied Physics Letters, 2019, 115, .	1.5	11
10	Observation of magnetic droplets in magnetic tunnel junctions. Science China: Physics, Mechanics and Astronomy, 2022, 65, .	2.0	11
11	Femtosecond laser driven precessing magnetic gratings. Nanoscale, 2021, 13, 3746-3756.	2.8	9
12	Influence of Cr layer thickness on the static and dynamic performances of Tb/Cr/Ni <sub>80</sub> Fe <sub>20</sub> structure. Journal of Alloys and Compounds, 2017, 695, 1324-1328.	2.8	8
13	Impact of the Oersted Field on Droplet Nucleation Boundaries. IEEE Magnetics Letters, 2018, 9, 1-4.	0.6	8
14	Anomalously large ferromagnetic resonance linewidth in the Gd/Cr/Fe film plane. Journal of Magnetism and Magnetic Materials, 2018, 451, 480-486.	1.0	7
15	Using Magnetic Droplet Nucleation to Determine the Spin Torque Efficiency and Asymmetry in $\text{Co}_x\text{Ni}_{1-x}$ Thin Films. Physical Review Applied, 2018, 10, .	1.5	7
16	Interface effects of the magnetic properties in Nd/Ni <sub>80</sub> Fe <sub>20</sub> bilayer films. Journal of Applied Physics, 2015, 117, 17A702.	1.1	6
17	Impact of intragrain spin wave reflections on nanocontact spin torque oscillators. Physical Review B, 2021, 103, .	1.1	6
18	Freezing and thawing magnetic droplet solitons. Nature Communications, 2022, 13, 2462.	5.8	6

#	ARTICLE	IF	CITATIONS
19	Effect of spacer layer on the magnetization dynamics of permalloy/rare-earth/permally trilayers. Journal of Applied Physics, 2015, 117, 17D124.	1.1	5
20	Investigation of magnetization dynamics damping in Ni80Fe20/Nd-Cu bilayer at room temperature. AIP Advances, 2018, 8, .	0.6	5
21	Impact of Random Grain Structure on Spin-Hall Nano-Oscillator Modal Stability. IEEE Electron Device Letters, 2022, 43, 312-315.	2.2	5
22	Ab initio understanding of magnetic properties in Zn <sup>2+</sup> substitution of Fe <sub>3</sub> O <sub>4</sub> ultra-thin film with dilute Zn substitution. AIP Advances, 2018, 8, .	0.6	4
23	Planar Hall-Effect Bridge Sensor With NiFeX ( $X$ &lt;math>T_j ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 587 Tc</math> Transactions on Magnetics, 2015, 51, 1-4.	1.2	3
24	Selective tuning of magnetization dynamics damping in Tb- and Nd-doped permalloy ultrathin films by adjacent copper nanolayers. Journal of Alloys and Compounds, 2016, 672, 170-175.	2.8	3
25	Tuning the magnetodynamic properties of all-perpendicular spin valves using He <sup>+</sup> irradiation. AIP Advances, 2018, 8, 065309.	0.6	3
26	Influence of the interface on the magnetic properties of ferromagnetic ultrathin films with various adjacent copper thicknesses. Journal of Applied Physics, 2014, 115, 17C108.	1.1	2
27	The manipulation of magnetization damping in FeNi <sub>1-x</sub> Ndx/Cu/FeCo <sub>1-y</sub> Gdy sandwich structured multilayers. Journal of Applied Physics, 2015, 117, 17A716.	1.1	1
28	Magnetism and spin transport at permalloy/Cu/permally interfaces. Physical Review B, 2022, 105, .		