

Lina Chen

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Unconventional Spin Currents Generated by the Spin-Orbit Precession Effect in Perpendicularly Magnetized Co/Tb Ferrimagnetic System. <i>Physical Review Applied</i> , 2022, 17, .	3.8	7
2	Spatial coexistence of multiple modes in a nanogap spin Hall nano-oscillator with extended Pt/Ni/Fe trilayers. <i>Physical Review B</i> , 2022, 105, .	3.2	5
3	Highly efficient spin-orbit torque in a perpendicular synthetic ferrimagnet. <i>Physical Review B</i> , 2022, 105, .	3.2	5
4	Spin-Orbit-Torque Efficiency and Current-Driven Coherent Magnetic Dynamics in a Pt/Py Trilayer-Based Spin Hall Nano-Oscillator. <i>Physical Review Applied</i> , 2022, 17, .	3.8	3
5	Maximizing spin-orbit torque efficiency of Ta(O)/Py via modulating oxygen-induced interface orbital hybridization. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	21
6	Temperature and electric field effects on the dynamic modes in a spin current auto-oscillator. <i>Physical Review B</i> , 2021, 103, .	3.2	5
7	Experiments and SPICE simulations of double MgO-based perpendicular magnetic tunnel junction*. <i>Chinese Physics B</i> , 2021, 30, 047504.	1.4	6
8	Spin-Wave Dynamics in an Artificial Kagome Spin Ice. <i>Chinese Physics Letters</i> , 2021, 38, 047501.	3.3	3
9	Collimated Bidirectional Propagating Spin Wave Generated by a Nonlocal Spin-Current Nano-oscillator. <i>Physical Review Applied</i> , 2021, 16, .	3.8	2
10	Controllable excitation of multiple spin wave bullet modes in a spin Hall nano-oscillator based on $[\text{Ni}/\text{Co}]/\text{Pt}$ multilayers. <i>Nanoscale</i> , 2021, 13, 7838-7843.	5.6	6
11	Absence of spin transport in amorphous YIG evidenced by nonlocal spin transport experiments. <i>Physical Review B</i> , 2021, 104, .	3.2	4
12	Mode Structures and Damping of Quantized Spin Waves in Ferromagnetic Nanowires*. <i>Chinese Physics Letters</i> , 2020, 37, 087503.	3.3	9
13	Electrical generation and detection of spin waves in polycrystalline YIG/Pt grown on silicon wafers. <i>Materials Research Express</i> , 2020, 7, 046105.	1.6	5
14	Magnetic Droplet Mode in a Vertical Nanocontact-Based Spin Hall Nano-Oscillator at Oblique Fields. <i>Physical Review Applied</i> , 2020, 13, .	3.8	16
15	Field- and Current-Driven Magnetization Reversal and Dynamic Properties of CoFeB-MgO-Based Perpendicular Magnetic Tunnel Junctions*. <i>Chinese Physics Letters</i> , 2020, 37, 117501.	3.3	7
16	Recent progress on excitation and manipulation of spin-waves in spin Hall nano-oscillators*. <i>Chinese Physics B</i> , 2020, 29, 117102.	1.4	17
17	Dynamical Mode Coupling and Coherence in a Spin Hall Nano-Oscillator with Perpendicular Magnetic Anisotropy. <i>Physical Review Applied</i> , 2019, 11, .	3.8	17
18	Physical reservoir computing using magnetic skyrmion memristor and spin torque nano-oscillator. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	80

#	ARTICLE	IF	CITATIONS
19	Role of disorder and correlations in the metal-insulator transition in ultrathin SrVO_3 films. Physical Review B, 2019, 100, .	3.2	17
20	Dynamical mode coexistence and chaos in a nanogap spin Hall nano-oscillator. Physical Review B, 2019, 100, .	3.2	13
21	Surface and interface properties of LaSr_2O_7 . Physical Review B, 2016, 93, .	2.4	16
22	Interface-induced multiferroism by design in complex oxide superlattices. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5062-E5069.	7.1	42
23	Interfacial coupling and polarization of perovskite ABO ₃ heterostructures. , 2017, , .		0
24	Controlling the Spectral Characteristics of a Spin-Current Auto-Oscillator with an Electric Field. Physical Review Applied, 2017, 8, .	3.8	17
25	Unusual Fe-H bonding associated with oxygen vacancies at the (001) surface of Fe ₃ O ₄ . Surface Science, 2017, 655, 25-30.	1.9	31
26	Interfacial Coupling and Polarization of Perovskite ABO ₃ Heterostructures. Microscopy and Microanalysis, 2017, 23, 1586-1587.	0.4	1
27	Polar compensation at the surface of SrTiO_3 (111). Physical Review B, 2016, 93, .	3.2	6
28	Anomalously deep polarization in SrTiO_3 (001) interfaced with an epitaxial ultrathin manganite film. Physical Review B, 2016, 94, .	3.2	14
29	Electrophoretic deposition of reduced graphene oxide nanosheets on TiO ₂ nanotube arrays for dye-sensitized solar cells. Electrochimica Acta, 2013, 111, 216-222.	5.2	61
30	An increase in the field emission from vertically aligned multiwalled carbon nanotubes caused by NH ₃ plasma treatment. Carbon, 2013, 52, 468-475.	10.3	47
31	Sulfur substitution and pressure effect on superconductivity of FeSe . Physica C: Superconductivity and Its Applications, 2009, 469, 297-299.	1.2	12