

Chenyang Guo

List of Publications by Year in descending order

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papers

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687363

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1507
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#	ARTICLE	IF	CITATIONS
1	Field-Free Spin-Orbit Torque Switching in Perpendicularly Magnetized Synthetic Antiferromagnets. <i>Advanced Functional Materials</i> , 2022, 32, 2109455.	14.9	21
2	Current-induced Néel order switching facilitated by magnetic phase transition. <i>Nature Communications</i> , 2022, 13, 1629.	12.8	13
3	Transition of laser-induced terahertz spin currents from torque- to conduction-electron-mediated transport. <i>Physical Review B</i> , 2022, 105, .	3.2	17
4	Large spin to charge conversion in antiferromagnetic Weyl semimetal Mn ₃ Sn. <i>APL Materials</i> , 2021, 9, .	5.1	11
5	Tunable Damping in Magnetic Nanowires Induced by Chiral Pumping of Spin Waves. <i>ACS Nano</i> , 2021, 15, 9076-9083.	14.6	12
6	Exchange bias and spin-orbit torque in the Fe ₃ GeTe ₂ -based heterostructures prepared by vacuum exfoliation approach. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	27
7	Efficient Spin-Orbit-Torque Switching Assisted by an Effective Perpendicular Field in a Magnetic Trilayer. <i>Physical Review Applied</i> , 2021, 16, .	3.8	5
8	Reconfigurable Spin-Wave Interferometer at the Nanoscale. <i>Nano Letters</i> , 2021, 21, 6237-6244.	9.1	20
9	Nonreciprocal coherent coupling of nanomagnets by exchange spin waves. <i>Nano Research</i> , 2021, 14, 2133-2138.	10.4	26
10	Sub-50-nm wavelength spin waves excited by low-damping Co ₂₅ Fe ₇₅ nanowires. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	10
11	Magnetic memory driven by topological insulators. <i>Nature Communications</i> , 2021, 12, 6251.	12.8	67
12	Magnetic Modulation of Terahertz Waves via Spin-Polarized Electron Tunneling Based on Magnetic Tunnel Junctions. <i>Physical Review Applied</i> , 2020, 14, .	3.8	12
13	Regulating the anomalous Hall and Nernst effects in Heusler-based trilayers. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	7
14	Surface anisotropy induced spin wave nonreciprocity in epitaxial La _{0.33} Sr _{0.67} MnO ₃ film on SrTiO ₃ substrate. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	5
15	Current-Induced In-Plane Magnetization Switching in a Biaxial Ferrimagnetic Insulator. <i>Physical Review Applied</i> , 2020, 13, .	3.8	14
16	High Spin Hall Conductivity in Large-Area Type-II Dirac Semimetal PtTe ₂ . <i>Advanced Materials</i> , 2020, 32, e2000513.	21.0	117
17	Creating zero-field skyrmions in exchange-biased multilayers through X-ray illumination. <i>Nature Communications</i> , 2020, 11, 949.	12.8	67
18	Chiral Spin-Wave Velocities Induced by All-Garnet Interfacial Dzyaloshinskii-Moriya Interaction in Ultrathin Yttrium Iron Garnet Films. <i>Physical Review Letters</i> , 2020, 124, 027203.	7.8	80

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19	Spin transmission in IrMn through measurements of spin Hall magnetoresistance and spin-orbit torque. <i>Physical Review B</i> , 2020, 101, .	3.2	11
20	Record thermopower found in an IrMn-based spintronic stack. <i>Nature Communications</i> , 2020, 11, 2023.	12.8	16
21	Current-driven magnetization switching in a van der Waals ferromagnet Fe ₃ GeTe ₂ . <i>Science Advances</i> , 2019, 5, eaaw8904.	10.3	239
22	Thermally activated magnetization back-hopping based true random number generator in nano-ring magnetic tunnel junctions. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	6
23	Anatomy of Skyrmionic Textures in Magnetic Multilayers. <i>Advanced Materials</i> , 2019, 31, e1807683.	21.0	75
24	Microwave Spin-Torque-Induced Magnetic Resonance in a Nanoring-Shape-Confined Magnetic Tunnel Junction. <i>Physical Review Applied</i> , 2018, 10, .	3.8	7