

Chenyang Guo

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

885
citations

687363

13
h-index

610901

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26
all docs

26
docs citations

26
times ranked

1507
citing authors

#	ARTICLE	IF	CITATIONS
1	Current-driven magnetization switching in a van der Waals ferromagnet Fe ₃ GeTe ₂ . Science Advances, 2019, 5, eaaw8904.	10.3	239
2	High Spin Hall Conductivity in Large-Area Type-II Dirac Semimetal PtTe ₂ . Advanced Materials, 2020, 32, e2000513.	21.0	117
3	Chiral Spin-Wave Velocities Induced by All-Garnet Interfacial Dzyaloshinskii-Moriya Interaction in Ultrathin Yttrium Iron Garnet Films. Physical Review Letters, 2020, 124, 027203.	7.8	80
4	Anatomy of Skyrmionic Textures in Magnetic Multilayers. Advanced Materials, 2019, 31, e1807683.	21.0	75
5	Creating zero-field skyrmions in exchange-biased multilayers through X-ray illumination. Nature Communications, 2020, 11, 949.	12.8	67
6	Magnetic memory driven by topological insulators. Nature Communications, 2021, 12, 6251.	12.8	67
7	Exchange bias and spin-orbit torque in the Fe ₃ GeTe ₂ -based heterostructures prepared by vacuum exfoliation approach. Applied Physics Letters, 2021, 118, .	3.3	27
8	Nonreciprocal coherent coupling of nanomagnets by exchange spin waves. Nano Research, 2021, 14, 2133-2138.	10.4	26
9	Field-Free Spin-Orbit Torque Switching in Perpendicularly Magnetized Synthetic Antiferromagnets. Advanced Functional Materials, 2022, 32, 2109455.	14.9	21
10	Reconfigurable Spin-Wave Interferometer at the Nanoscale. Nano Letters, 2021, 21, 6237-6244.	9.1	20
11	Transition of laser-induced terahertz spin currents from torque- to conduction-electron-mediated transport. Physical Review B, 2022, 105, .	3.2	17
12	Record thermopower found in an IrMn-based spintronic stack. Nature Communications, 2020, 11, 2023.	12.8	16
13	Current-Induced In-Plane Magnetization Switching in a Biaxial Ferrimagnetic Insulator. Physical Review Applied, 2020, 13, .	3.8	14
14	Current-induced Néel order switching facilitated by magnetic phase transition. Nature Communications, 2022, 13, 1629.	12.8	13
15	Magnetic Modulation of Terahertz Waves via Spin-Polarized Electron Tunneling Based on Magnetic Tunnel Junctions. Physical Review Applied, 2020, 14, .	3.8	12
16	Tunable Damping in Magnetic Nanowires Induced by Chiral Pumping of Spin Waves. ACS Nano, 2021, 15, 9076-9083.	14.6	12
17	Spin transmission in IrMn through measurements of spin Hall magnetoresistance and spin-orbit torque. Physical Review B, 2020, 101, .	3.2	11
18	Large spin to charge conversion in antiferromagnetic Weyl semimetal Mn ₃ Sn. APL Materials, 2021, 9, .	5.1	11

#	ARTICLE	IF	CITATIONS
19	Sub-50nm wavelength spin waves excited by low-damping Co ₂₅ Fe ₇₅ nanowires. Applied Physics Letters, 2021, 119, .	3.3	10
20	Microwave Spin-Torque-Induced Magnetic Resonance in a Nanoring-Shape-Confined Magnetic Tunnel Junction. Physical Review Applied, 2018, 10, .	3.8	7
21	Regulating the anomalous Hall and Nernst effects in Heusler-based trilayers. Applied Physics Letters, 2020, 117, .	3.3	7
22	Thermally activated magnetization back-hopping based true random number generator in nano-ring magnetic tunnel junctions. Applied Physics Letters, 2019, 114, .	3.3	6
23	Surface anisotropy induced spin wave nonreciprocity in epitaxial La _{0.33} Sr _{0.67} MnO ₃ film on SrTiO ₃ substrate. Applied Physics Letters, 2020, 117, .	3.3	5
24	Efficient Spin-Orbit-Torque Switching Assisted by an Effective Perpendicular Field in a Magnetic Trilayer. Physical Review Applied, 2021, 16, .	3.8	5