

Yao Guang

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

802
citations

759055

12
h-index

839398

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20
all docs

20
docs citations

20
times ranked

1412
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.	4.7	239
2	High Spin Hall Conductivity in Large-Area Type-II Dirac Semimetal PtTe ₂ . Advanced Materials, 2020, 32, e2000513.	11.1	117
3	Spin-orbit torque switching in a T-type magnetic configuration with current orthogonal to easy axes. Nature Communications, 2019, 10, 233.	5.8	91
4	Anatomy of Skyrmionic Textures in Magnetic Multilayers. Advanced Materials, 2019, 31, e1807683.	11.1	75
5	Creating zero-field skyrmions in exchange-biased multilayers through X-ray illumination. Nature Communications, 2020, 11, 949.	5.8	67
6	Skyrmion-Based Programmable Logic Device with Complete Boolean Logic Functions. Physical Review Applied, 2021, 15, .	1.5	34
7	Electron Beam Lithography of Magnetic Skyrmions. Advanced Materials, 2020, 32, e2003003.	11.1	30
8	Enhancement of Spin-Orbit Torque by Strain Engineering in SrRuO ₃ Films. Advanced Functional Materials, 2021, 31, 2100380.	7.8	26
9	Characterization of Spin-Orbit Torque Efficiency in Magnetic Heterostructures with Perpendicular Magnetic Anisotropy via Spin-Torque Ferromagnetic Resonance. Physical Review Applied, 2020, 13, .	1.5	22
10	Field-Free Spin-Orbit Torque Switching in Perpendicularly Magnetized Synthetic Antiferromagnets. Advanced Functional Materials, 2022, 32, 2109455.	7.8	21
11	Creation of a Chiral Bobber Lattice in Helimagnet-Multilayer Heterostructures. Physical Review Letters, 2021, 126, 017204.	2.9	20
12	Depth-Resolved Magnetization Dynamics Revealed by X-Ray Reflectometry Ferromagnetic Resonance. Physical Review Letters, 2020, 125, 137201.	2.9	14
13	Robust Skyrmion Shift Device Through Engineering the Local Exchange-Bias Field. Physical Review Applied, 2020, 14, .	1.5	12
14	Spin transmission in IrMn through measurements of spin Hall magnetoresistance and spin-orbit torque. Physical Review B, 2020, 101, .	1.1	11
15	Superposition of Emergent Monopole and Antimonopole in CoTb Thin Films. Physical Review Letters, 2021, 127, 217201.	2.9	10
16	Formation and magnetic-field stability of magnetic dipole skyrmions and bubbles in a ferrimagnet. Applied Physics Letters, 2020, 116, .	1.5	9
17	Skyrmions in magnetic thin film heterostructures. Wuli Xuebao/Acta Physica Sinica, 2018, 67, 131204.	0.2	2
18	Axially Bound Magnetic Skyrmions: Glueing Topological Strings Across an Interface. Nano Letters, 2022, 22, 3737-3743.	4.5	2