

Weichao Yu

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

932
citations

687363

13
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

879
citing authors

#	ARTICLE	IF	CITATIONS
1	The 2021 Magnonics Roadmap. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 413001.	1.8	287
2	Spin-Wave Diode. <i>Physical Review X</i> , 2015, 5, .	8.9	131
3	Antiferromagnetic domain wall as spin wave polarizer and retarder. <i>Nature Communications</i> , 2017, 8, 178.	12.8	89
4	Prediction of Attractive Level Crossing via a Dissipative Mode. <i>Physical Review Letters</i> , 2019, 123, 227201.	7.8	81
5	Magnetic Snell's law and spin-wave fiber with Dzyaloshinskii-Moriya interaction. <i>Physical Review B</i> , 2016, 94, .	3.2	57
6	Magnetic Logic Gate Based on Polarized Spin Waves. <i>Physical Review Applied</i> , 2020, 13, .	3.8	56
7	Topological spin Hall effects and tunable skyrmion Hall effects in uniaxial antiferromagnetic insulators. <i>Physical Review B</i> , 2019, 99, .	3.2	39
8	Nonabelian magnonics in antiferromagnets. <i>Physical Review B</i> , 2018, 98, .	3.2	38
9	Polarization-selective spin wave driven domain-wall motion in antiferromagnets. <i>Physical Review B</i> , 2018, 98, .	3.2	35
10	Unexpected Intermediate State Photoinduced in the Metal-Insulator Transition of Submicrometer Phase-Separated Manganites. <i>Physical Review Letters</i> , 2018, 120, 267202.	7.8	22
11	Circulating cavity magnon polaritons. <i>Physical Review B</i> , 2020, 102, .	3.2	19
12	Emerging single-phase state in small manganite nanodisks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9228-9231.	7.1	18
13	Non-reciprocal Pumping of Surface Acoustic Waves by Spin Wave Resonance. <i>Journal of the Physical Society of Japan</i> , 2020, 89, 113702.	1.6	14
14	Magnetization dynamics affected by phonon pumping. <i>Physical Review B</i> , 2022, 106, .	3.2	13
15	Dynamic magnetoelastic boundary conditions and the pumping of phonons. <i>Physical Review B</i> , 2021, 104, .	3.2	12
16	Geometric magnonics with chiral magnetic domain walls. <i>Physical Review B</i> , 2021, 103, .	3.2	8
17	Hopfield neural network in magnetic textures with intrinsic Hebbian learning. <i>Physical Review B</i> , 2021, 104, .	3.2	6
18	Loop theory for input-output problems in cavities. <i>Physical Review A</i> , 2020, 101, .	2.5	5

#	ARTICLE	IF	CITATIONS
19	Auxiliary Mode Mediated Coherent and Complex Couplings in a Cavity Magnonic System. Annalen Der Physik, 2022, 534, .	2.4	2