

Laichuan Shen

List of Publications by Year in descending order

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19
papers

543
citations

933264

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887953

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19
all docs

19
docs citations

19
times ranked

369
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin torque nano-oscillators based on antiferromagnetic skyrmions. Applied Physics Letters, 2019, 114, .	1.5	106
2	Dynamics of the antiferromagnetic skyrmion induced by a magnetic anisotropy gradient. Physical Review B, 2018, 98, .	1.1	84
3	Current-Induced Dynamics and Chaos of Antiferromagnetic Bimerons. Physical Review Letters, 2020, 124, 037202.	2.9	82
4	Current-Induced Dynamics of the Antiferromagnetic Skyrmion and Skyrmionium. Physical Review Applied, 2019, 12, .	1.5	46
5	Static and dynamic properties of bimerons in a frustrated ferromagnetic monolayer. Physical Review B, 2020, 101, .	1.1	40
6	Dynamics of an antiferromagnetic skyrmion in a racetrack with a defect. Physical Review B, 2019, 100, .	1.1	37
7	A skyrmion-based spin-torque nano-oscillator with enhanced edge. Journal of Magnetism and Magnetic Materials, 2019, 491, 165610.	1.0	36
8	Bimeron clusters in chiral antiferromagnets. Npj Computational Materials, 2020, 6, .	3.5	34
9	Dynamics of ferromagnetic bimerons driven by spin currents and magnetic fields. Physical Review B, 2020, 102, .	1.1	19
10	Dynamics of antiskyrmions induced by the voltage-controlled magnetic anisotropy gradient. Journal of Magnetism and Magnetic Materials, 2020, 496, 165922.	1.0	14
11	Dynamics of ferrimagnetic skyrmionium driven by spin-orbit torque. Physical Review B, 2021, 104, .	1.1	12
12	A hybrid coercivity mechanism for exchange-coupled nanocomposite permanent magnets. Journal of Rare Earths, 2019, 37, 1030-1033.	2.5	7
13	Interlayer coupling effect on skyrmion dynamics in synthetic antiferromagnets. Applied Physics Letters, 2021, 118, .	1.5	7
14	Nonreciprocal dynamics of ferrimagnetic bimerons. Physical Review B, 2022, 105, .	1.1	7
15	Mutual conversion between a magnetic Néel hopfion and a Néel toron. Physical Review B, 2022, 105, .	1.1	7
16	Signal detection based on the chaotic motion of an antiferromagnetic domain wall. Applied Physics Letters, 2021, 118, .	1.5	4
17	Design and Optimization of Skyrmion-Based Racetrack Memory by Overcoming Clogging and Annihilation of Skyrmion Signals. Spin, 2019, 09, 1950019.	0.6	1
18	Antiferromagnetic Skyrmions and Bimerons. Topics in Applied Physics, 2021, , 441-457.	0.4	0

#	ARTICLE	IF	CITATIONS
19	Conventional applications of skyrmions. , 2021, , 367-391.		0