

# Laichuan Shen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8428242/publications.pdf>

Version: 2024-02-01

19  
papers

543  
citations

933264

10  
h-index

887953

17  
g-index

19  
all docs

19  
docs citations

19  
times ranked

369  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonreciprocal dynamics of ferrimagnetic bimerons. <i>Physical Review B</i> , 2022, 105, .	1.1	7
2	Mutual conversion between a magnetic Néel hopfion and a Néel toron. <i>Physical Review B</i> , 2022, 105, .	1.1	7
3	Antiferromagnetic Skyrmions and Bimerons. <i>Topics in Applied Physics</i> , 2021, , 441-457.	0.4	0
4	Signal detection based on the chaotic motion of an antiferromagnetic domain wall. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	4
5	Interlayer coupling effect on skyrmion dynamics in synthetic antiferromagnets. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	7
6	Conventional applications of skyrmions. , 2021, , 367-391.		0
7	Dynamics of ferrimagnetic skyrmionium driven by spin-orbit torque. <i>Physical Review B</i> , 2021, 104, .	1.1	12
8	Dynamics of antiskyrmions induced by the voltage-controlled magnetic anisotropy gradient. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 496, 165922.	1.0	14
9	Bimeron clusters in chiral antiferromagnets. <i>Npj Computational Materials</i> , 2020, 6, .	3.5	34
10	Current-Induced Dynamics and Chaos of Antiferromagnetic Bimerons. <i>Physical Review Letters</i> , 2020, 124, 037202.	2.9	82
11	Static and dynamic properties of bimerons in a frustrated ferromagnetic monolayer. <i>Physical Review B</i> , 2020, 101, .	1.1	40
12	Dynamics of ferromagnetic bimerons driven by spin currents and magnetic fields. <i>Physical Review B</i> , 2020, 102, .	1.1	19
13	A skyrmion-based spin-torque nano-oscillator with enhanced edge. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 491, 165610.	1.0	36
14	Dynamics of an antiferromagnetic skyrmion in a racetrack with a defect. <i>Physical Review B</i> , 2019, 100, .	1.1	37
15	Spin torque nano-oscillators based on antiferromagnetic skyrmions. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	106
16	A hybrid coercivity mechanism for exchange-coupled nanocomposite permanent magnets. <i>Journal of Rare Earths</i> , 2019, 37, 1030-1033.	2.5	7
17	Design and Optimization of Skyrmion-Based Racetrack Memory by Overcoming Clogging and Annihilation of Skyrmion Signals. <i>Spin</i> , 2019, 09, 1950019.	0.6	1
18	Current-Induced Dynamics of the Antiferromagnetic Skyrmion and Skyrmionium. <i>Physical Review Applied</i> , 2019, 12, .	1.5	46

#	ARTICLE	IF	CITATIONS
19	Dynamics of the antiferromagnetic skyrmion induced by a magnetic anisotropy gradient. Physical Review B, 2018, 98, .	1.1	84