

Mykhaylo Balinskyy

List of Publications by Year in descending order

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20
papers

420
citations

1040056

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996975

15
g-index

20
all docs

20
docs citations

20
times ranked

811
citing authors

#	ARTICLE	IF	CITATIONS
1	Prime factorization using coupled oscillators with positive feedback. AIP Advances, 2022, 12, 045307.	1.3	0
2	Period finding and prime factorization using classical wave superposition. Journal of Applied Physics, 2022, 131, 153901.	2.5	0
3	Micro magnet location using spin waves. Journal of Applied Physics, 2022, 132, .	2.5	2
4	Spin wave interference detection via inverse spin Hall effect. Applied Physics Letters, 2021, 118, .	3.3	4
5	Quantum computing without quantum computers: Database search and data processing using classical wave superposition. Journal of Applied Physics, 2021, 130, .	2.5	9
6	Brillouin-Mandelstam spectroscopy of stress-modulated spatially confined spin waves in Ni thin films on piezoelectric substrates. Journal of Magnetism and Magnetic Materials, 2020, 501, 166440.	2.3	2
7	The discrete noise of magnons. Applied Physics Letters, 2019, 114, .	3.3	15
8	Dual-Functional Graphene Composites for Electromagnetic Shielding and Thermal Management. Advanced Electronic Materials, 2019, 5, 1800558.	5.1	183
9	Realization of spin wave switch for data processing. AIP Advances, 2018, 8, .	1.3	12
10	Reversible magnetic logic gates based on spin wave interference. Journal of Applied Physics, 2018, 123, .	2.5	32
11	Brillouin-Mandelstam spectroscopy of standing spin waves in a ferrite waveguide. AIP Advances, 2018, 8, .	1.3	5
12	Effects of the magnetic field variation on the spin wave interference in a magnetic cross junction. AIP Advances, 2018, 8, 056619.	1.3	5
13	Magnetolectric Spin Wave Modulator Based On Synthetic Multiferroic Structure. Scientific Reports, 2018, 8, 10867.	3.3	37
14	Spin wave interference in YIG cross junction. AIP Advances, 2017, 7, .	1.3	15
15	Perpendicularly magnetized YIG-film resonators and waveguides with high operating power. AIP Advances, 2017, 7, .	1.3	3
16	Spin wave excitation in sub-micrometer thick Y3Fe5O12 films fabricated by pulsed laser deposition on garnet and silicon substrates: A comparative study. Journal of Applied Physics, 2017, 122, 123904.	2.5	19
17	CoFeB-Based Spin Hall Nano-Oscillators. IEEE Magnetics Letters, 2014, 5, 1-4.	1.1	71
18	Information transduction based on magnons. , 2012, , .		1

#	ARTICLE	IF	CITATIONS
19	Compact, widely tunable, half-lambda YIG oscillator. , 2012, , .		5
20	Epitaxial ferrite film straight edge resonators. , 0, , .		0