

Mykhaylo Balinskyy

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8721346/publications.pdf>

Version: 2024-02-01

20
papers

420
citations

1040056

9
h-index

996975

15
g-index

20
all docs

20
docs citations

20
times ranked

811
citing authors

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

#	ARTICLE	IF	CITATIONS
19	Prime factorization using coupled oscillators with positive feedback. AIP Advances, 2022, 12, 045307.	1.3	0
20	Period finding and prime factorization using classical wave superposition. Journal of Applied Physics, 2022, 131, 153901.	2.5	0