Joseph Sklenar

List of Publications by Year
in descending order

35 papers	1,167 citations	361413 20 h-index	377865 34 g-index
35 all docs	35 docs citations	35 times ranked	1502 citing authors

#	Article	IF	Citations
1	Magnetically Induced Transparency Spectra in Magnon-Magnon Coupled <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msub><mml:mi mathvariant="normal">Y</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi>Fe</mml:mi><mml:mn>5</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>12</mml:mn></mml:msub></mml:math> Permalloy Bilayers. Physical Review Applied, 2022, 17, .	3.8	4
2	Entropy-driven order in an array of nanomagnets. Nature Physics, 2022, 18, 706-712.	16.7	5
3	Hybrid Magnonics for Short-Wavelength Spin Waves Facilitated by a Magnetic Heterostructure. Physical Review Applied, 2022, 17, .	3.8	6
4	Detecting Phase-Resolved Magnetization Dynamics by Magneto-Optic Effects at 1550 nm Wavelength. IEEE Transactions on Magnetics, 2021, 57, 1-7.	2.1	3
5	Quantum Engineering With Hybrid Magnonic Systems and Materials (Invited Paper). IEEE Transactions on Quantum Engineering, 2021, 2, 1-36.	4.9	69
6	Self-Hybridization and Tunable Magnon-Magnon Coupling in van der Waals Synthetic Magnets. Physical Review Applied, 2021, 15, .	3.8	17
7	Effect of dipolar interaction on exceptional points in synthetic layered magnets. Applied Physics Letters, 2021, 118, .	3.3	10
8	Phase-resolved electrical detection of coherently coupled magnonic devices. Applied Physics Letters, 2021, 118, 202403.	3.3	3
9	Proximity-induced anisotropic magnetoresistance in magnetized topological insulators. Applied Physics Letters, 2021, 118, .	3.3	7
10	String Phase in an Artificial Spin Ice. Nature Communications, 2021, 12, 6514.	12.8	9
11	Probing magnonâ€“magnon coupling in exchange coupled Y$$_3$$Fe$$_5$$O$$_{12}$$/Permalloy bilayers with magneto-optical effects. Scientific Reports, 2020, 10, 12548.	3.3	23
12	Metallic antiferromagnets. Journal of Applied Physics, 2020, 128, .	2.5	57
13	Coherent Spin Pumping in a Strongly Coupled Magnon-Magnon Hybrid System. Physical Review Letters, 2020, 124, 117202.	7.8	75
14	Experimental parameters, combined dynamics, and nonlinearity of a magnonic-opto-electronic oscillator (MOEO). Review of Scientific Instruments, 2020, 91, 125105.	1.3	6
15	Dynamics in artificial spin ice and magnetic metamaterials. Solid State Physics, 2019, 70, 171-235.	0.5	4
16	Angular evolution of thickness-related unidirectional magnetoresistance in Co/Pt multilayers. AIP Advances, 2019, 9, .	1.3	3
17	Optical Detection of Phase-Resolved Ferromagnetic Resonance in Epitaxial FeCo Thin Films. IEEE Transactions on Magnetics, 2019, 55, 1-5.	2.1	4
18	Understanding thermal annealing of artificial spin ice. APL Materials, 2019, 7, .	5.1	28

#	Article	IF	Citations
19	Field-induced phase coexistence in an artificial spin ice. Nature Physics, 2019, 15, 191-195.	16.7	49
20	Classical topological order in the kinetics of artificial spin ice. Nature Physics, 2018, 14, 723-727.	16.7	57
21	Understanding magnetotransport signatures in networks of connected permalloy nanowires. Physical Review B, 2017, 95, .	3.2	32
22	Magnetic response of brickwork artificial spin ice. Physical Review B, 2017, 96, .	3.2	17
23	Unidirectional spin-torque driven magnetization dynamics. Physical Review B, 2017, 95, .	3.2	24
24	High-Frequency Dynamics Modulated by Collective Magnetization Reversal in Artificial Spin Ice. Physical Review Applied, 2017, 8, .	3.8	29
25	Perspective: Interface generation of spin-orbit torques. Journal of Applied Physics, 2016, 120, .	2.5	42
26	Ferromagnetic resonance of a YIG film in the low frequency regime. Journal of Applied Physics, 2016, 120, .	2.5	32
27	Research Update: Spin transfer torques in permalloy on monolayer MoS2. APL Materials, 2016, 4, .	5.1	75
28	Spin Hall effects in metallic antiferromagnets â€“ perspectives for future spin-orbitronics. AIP Advances, 2016, 6, .	1.3	21
29	Dynamic response of an artificial square spin ice. Physical Review B, 2016, 93, .	3.2	71
30	Interface-driven spin-torque ferromagnetic resonance by Rashba coupling at the interface between nonmagnetic materials. Physical Review B, 2016, 93, .	3.2	65
31	Large Spin-Wave Bullet in a Ferrimagnetic Insulator Driven by the Spin Hall Effect. Physical Review Letters, 2016, 116, 057601.	7.8	66
32	Spin transport through the metallic antiferromagnet FeMn. Physical Review B, 2016, 94, .	3.2	38
33	All-electrical manipulation of magnetization dynamics in a ferromagnet by antiferromagnets with anisotropic spin Hall effects. Physical Review B, 2015, 92, .	3.2	95
34	Driving and detecting ferromagnetic resonance in insulators with the spin Hall effect. Physical Review B, 2015, 92, .	3.2	48
35	Controlled Magnetic Reversal in Permalloy Films Patterned into Artificial Quasicrystals. Physical Review Letters, 2013, 111, 077201.	7.8	73