

Yasuhiro Fukuma

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,047
citations

687220

13
h-index

580701

25
g-index

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all docs

25
docs citations

25
times ranked

1521
citing authors

#	ARTICLE	IF	CITATIONS
1	Fermi-level-dependent charge-to-spin current conversion by Dirac surface states of topological insulators. <i>Nature Physics</i> , 2016, 12, 1027-1031.	6.5	307
2	Giant enhancement of spin accumulation and long-distance spin precession in metallic lateral spin valves. <i>Nature Materials</i> , 2011, 10, 527-531.	13.3	174
3	Dynamics of Coupled Vortices in a Pair of Ferromagnetic Disks. <i>Physical Review Letters</i> , 2011, 106, 197203.	2.9	108
4	Tunable Magnonic Spectra in Two-Dimensional Magnonic Crystals with Variable Lattice Symmetry. <i>Advanced Functional Materials</i> , 2013, 23, 2378-2386.	7.8	76
5	Optically Induced Tunable Magnetization Dynamics in Nanoscale Co Antidot Lattices. <i>ACS Nano</i> , 2012, 6, 3397-3403.	7.3	63
6	Detection of Picosecond Magnetization Dynamics of 50 nm Magnetic Dots down to the Single Dot Regime. <i>ACS Nano</i> , 2011, 5, 9559-9565.	7.3	55
7	Gyration mode splitting in magnetostatically coupled magnetic vortices in an array. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 422001.	1.3	44
8	Benchmark time-resolved magneto-optical Kerr magnetometer. <i>Review of Scientific Instruments</i> , 2008, 79, 123905.	0.6	31
9	Spin transport in non-magnetic nano-structures induced by non-local spin injection. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 68, 239-263.	1.3	28
10	Electric-field control of interfacial in-plane magnetic anisotropy in CoFeB/MgO junctions. <i>Physical Review B</i> , 2020, 101, .	1.1	21
11	Configurational anisotropic spin waves in cross-shaped Ni ₈₀ Fe ₂₀ nanoelements. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	20
12	All-Optical Excitation and Detection of Picosecond Dynamics of Ordered Arrays of Nanomagnets with Varying Areal Density. <i>Applied Physics Express</i> , 2011, 4, 113003.	1.1	18
13	Optical Detection of Spin Transport in Nonmagnetic Metals. <i>Physical Review Letters</i> , 2011, 106, 226601.	2.9	15
14	Enhanced Spin Hall Effect in S-implanted Pt. <i>Advanced Quantum Technologies</i> , 2021, 4, .	1.8	15
15	Highly dose dependent damping-like spin-orbit torque efficiency in O-implanted Pt. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	13
16	Spin relaxation characteristics in Ag nanowire covered with various oxides. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	12
17	Impact of interface properties on spin accumulation in dual-injection lateral spin valves. <i>Applied Physics Letters</i> , 2013, 103, 162403.	1.5	9
18	Electric field induced parametric excitation of exchange magnons in a CoFeB/MgO junction. <i>Physical Review Research</i> , 2022, 4, .	1.3	9

#	ARTICLE	IF	CITATIONS
19	Manipulation of the Excitation State of the Coupled Vortices in a Pair of Magnetic Disks. IEEE Transactions on Magnetics, 2011, 47, 2951-2953.	1.2	8
20	Critical exponents and domain structures of magnetic semiconductor EuS and Gd-doped EuS films near Curie temperature. Applied Physics Express, 2014, 7, 113002.	1.1	6
21	Pinning-assisted out-of-plane anisotropy in reverse stack FeCo/FePt intermetallic bilayers for controlled switching in spintronics. Journal of Alloys and Compounds, 2021, 877, 160249.	2.8	4
22	Coherent Suppression of Magnetization Precession in Presence of Spin Waves in a $\text{Ni}_{81}\text{Fe}_{19}$ Microwire. IEEE Transactions on Magnetics, 2009, 45, 4104-4107.	1.2	3
23	Spin Injection Into Magnesium Nanowire. IEEE Transactions on Magnetics, 2011, 47, 1545-1548.	1.2	3
24	Modulation of Magnetization Precession Trajectories by Perpendicular Magnetic Anisotropy in CoFeB Thin Films. IEEE Transactions on Magnetics, 2020, 56, 1-5.	1.2	3
25	Simulations on the Effect of Magnetic Anisotropy on Switching of an Easy Cone Magnetized Free Layer. IEEE Transactions on Magnetics, 2020, 56, 1-4.	1.2	2