

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

25
all docs

25
docs citations

25
times ranked

1521
citing authors

#	ARTICLE	IF	CITATIONS
1	Electric field induced parametric excitation of exchange magnons in a CoFeB/MgO junction. <i>Physical Review Research</i> , 2022, 4, .	1.3	9
2	Enhanced Spin Hall Effect in Sâ€ implanted Pt. <i>Advanced Quantum Technologies</i> , 2021, 4, .	1.8	15
3	Highly dose dependent damping-like spinâ€ orbit torque efficiency in O-implanted Pt. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	13
4	Pinning-assisted out-of-plane anisotropy in reverse stack FeCo/FePt intermetallic bilayers for controlled switching in spintronics. <i>Journal of Alloys and Compounds</i> , 2021, 877, 160249.	2.8	4
5	Modulation of Magnetization Precession Trajectories by Perpendicular Magnetic Anisotropy in CoFeB Thin Films. <i>IEEE Transactions on Magnetics</i> , 2020, 56, 1-5.	1.2	3
6	Electric-field control of interfacial in-plane magnetic anisotropy in CoFeB/MgO junctions. <i>Physical Review B</i> , 2020, 101, .	1.1	21
7	Simulations on the Effect of Magnetic Anisotropy on Switching of an Easy Cone Magnetized Free Layer. <i>IEEE Transactions on Magnetics</i> , 2020, 56, 1-4.	1.2	2
8	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
9	Spin relaxation characteristics in Ag nanowire covered with various oxides. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	12
10	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
11	Critical exponents and domain structures of magnetic semiconductor EuS and Gd-doped EuS films near Curie temperature. <i>Applied Physics Express</i> , 2014, 7, 113002.	1.1	6
12	Tunable Magnonic Spectra in Twoâ€ Dimensional Magnonic Crystals with Variable Lattice Symmetry. <i>Advanced Functional Materials</i> , 2013, 23, 2378-2386.	7.8	76
13	Configurational anisotropic spin waves in cross-shaped Ni80Fe20 nanoelements. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	20
14	Impact of interface properties on spin accumulation in dual-injection lateral spin valves. <i>Applied Physics Letters</i> , 2013, 103, 162403.	1.5	9
15	Optically Induced Tunable Magnetization Dynamics in Nanoscale Co Antidot Lattices. <i>ACS Nano</i> , 2012, 6, 3397-3403.	7.3	63
16	Spin Injection Into Magnesium Nanowire. <i>IEEE Transactions on Magnetics</i> , 2011, 47, 1545-1548.	1.2	3
17	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
18	Dynamics of Coupled Vortices in a Pair of Ferromagnetic Disks. <i>Physical Review Letters</i> , 2011, 106, 197203.	2.9	108

#	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	Detection of Picosecond Magnetization Dynamics of 50 nm Magnetic Dots down to the Single Dot Regime. ACS Nano, 2011, 5, 9559-9565.	7.3	55
21	Optical Detection of Spin Transport in Nonmagnetic Metals. Physical Review Letters, 2011, 106, 226601.	2.9	15
22	All-Optical Excitation and Detection of Picosecond Dynamics of Ordered Arrays of Nanomagnets with Varying Areal Density. Applied Physics Express, 2011, 4, 113003.	1.1	18
23	Gyration mode splitting in magnetostatically coupled magnetic vortices in an array. Journal Physics D: Applied Physics, 2010, 43, 422001.	1.3	44
24	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
25	Benchtop time-resolved magneto-optical Kerr magnetometer. Review of Scientific Instruments, 2008, 79, 123905.	0.6	31