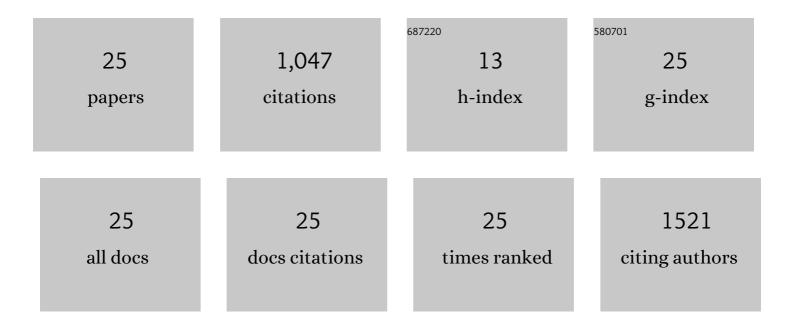
Yasuhiro Fukuma

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Fermi-level-dependent charge-to-spin current conversion by Dirac surface states of topologicalÂinsulators. Nature Physics, 2016, 12, 1027-1031.	6.5	307
2	Giant enhancement of spin accumulation and long-distance spin precession in metallic lateralÂspin valves. Nature Materials, 2011, 10, 527-531.	13.3	174
3	Dynamics of Coupled Vortices in a Pair of Ferromagnetic Disks. Physical Review Letters, 2011, 106, 197203.	2.9	108
4	Tunable Magnonic Spectra in Twoâ€Dimensional Magnonic Crystals with Variable Lattice Symmetry. Advanced Functional Materials, 2013, 23, 2378-2386.	7.8	76
5	Optically Induced Tunable Magnetization Dynamics in Nanoscale Co Antidot Lattices. ACS Nano, 2012, 6, 3397-3403.	7.3	63
6	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
7	Gyration mode splitting in magnetostatically coupled magnetic vortices in an array. Journal Physics D: Applied Physics, 2010, 43, 422001.	1.3	44
8	Benchtop time-resolved magneto-optical Kerr magnetometer. Review of Scientific Instruments, 2008, 79, 123905.	0.6	31
9	Spin transport in non-magnetic nano-structures induced by non-local spin injection. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 68, 239-263.	1.3	28
10	Electric-field control of interfacial in-plane magnetic anisotropy in CoFeB/MgO junctions. Physical Review B, 2020, 101, .	1.1	21
11	Configurational anisotropic spin waves in cross-shaped Ni80Fe20 nanoelements. Applied Physics Letters, 2013, 102, .	1.5	20
12	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
13	Optical Detection of Spin Transport in Nonmagnetic Metals. Physical Review Letters, 2011, 106, 226601.	2.9	15
14	Enhanced Spin Hall Effect in Sâ€Implanted Pt. Advanced Quantum Technologies, 2021, 4, .	1.8	15
15	Highly dose dependent damping-like spin–orbit torque efficiency in O-implanted Pt. Applied Physics Letters, 2021, 118, .	1.5	13
16	Spin relaxation characteristics in Ag nanowire covered with various oxides. Applied Physics Letters, 2015, 107, .	1.5	12
17	Impact of interface properties on spin accumulation in dual-injection lateral spin valves. Applied Physics Letters, 2013, 103, 162403.	1.5	9
18	Electric field induced parametric excitation of exchange magnons in a CoFeB/MgO junction. Physical Review Research, 2022, 4, .	1.3	9

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#	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 \${hbox {Ni}}_{81}{hbox {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