Kohei Ueda

List of Publications by Year
in descending order

32	1,705	471509 17	454955 30
papers	citations	h-index	g-index

34	34	34	1873
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spinâ€“orbit torque generation in bilayers composed of CoFeB and epitaxial SrIrO3 grown on an orthorhombic DyScO3 substrate. Applied Physics Letters, 2022, 121, .	3.3	5
2	Stacking-Order Effect on Spin-Orbit Torque, Spin Hall Magnetoresistance, and Magnetic Anisotropy in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msub><mml:mi>Ni</mml:mi><mml:mn>81</mml:mn></mml:msub><mml:msub><mml:mi>Fe</mml:mi><mml:mi><mml:mathvariant="normal">O</mml:mi></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:math> Bilayers. Physical Review Applied, 2021, 16, .	4.6	4
3	Spin-orbit torque generation in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ni</mml:mi><mml:mi>Fe</mml:mi><mml:mo></mml:mathvariant="normal">O</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> bilayers. Physical Review B, 2020, 102, .	3.2	13
4	Dropâ€Onâ€Drop Multimaterial 3D Bioprinting Realized by Peroxidaseâ€Mediated Crossâ€Linking. Macromolecular Rapid Communications, 2018, 39, 1700534.	3.9	39
5	Effect of annealing on magnetic properties in ferrimagnetic GdCo alloy films with bulk perpendicular magnetic anisotropy. AIP Advances, 2018, 8, .	1.3	18
6	Fast current-driven domain walls and small skyrmions in a compensated ferrimagnet. Nature Nanotechnology, 2018, 13, 1154-1160.	31.5	406
7	Correlation of the Dzyaloshinskiiâ€“Moriya interaction with Heisenberg exchange and orbital asphericity. Nature Communications, 2018, 9, 1648.	12.8	60
8	Inkjetting Plus Peroxidaseâ€Mediated Hydrogelation Produces Cellâ€Laden, Cellâ€Sized Particles with Suitable Characters for Individual Applications. Macromolecular Bioscience, 2017, 17, 1600416.	4.1	10
9	Temperature dependence of spin-orbit torques across the magnetic compensation point in a ferrimagnetic TbCo alloy film. Physical Review B, 2017, 96, .	3.2	100
10	Effect of rare earth metal on the spin-orbit torque in magnetic heterostructures. Applied Physics Letters, 2016, 108, .	3.3	50
11	Spin-orbit torques in Ta/TbxCo100-x ferrimagnetic alloy films with bulk perpendicular magnetic anisotropy. Applied Physics Letters, 2016, 109, .	3.3	68
12	Soliton-like magnetic domain wall motionÂinducedÂby the interfacial Dzyaloshinskiiâ€“MoriyaÂinteraction. Nature Physics, 2016, 12, 157-161.	16.7	125
13	Temperature dependence of current-induced magnetic domain wall motion in an asymmetric Co/Ni nanowire. Japanese Journal of Applied Physics, 2015, 54, 038004.	1.5	9
14	Peritoneal adhesion prevention by a biodegradable hyaluronic acid-based hydrogel formed in situ through a cascade enzyme reaction initiated by contact with body fluid on tissue surfaces. Acta Biomaterialia, 2015, 24, 152-158.	8.3	49
15	In-plane field-driven crossover in the spin-torque mechanism acting on magnetic domain walls in Co/Ni. Physical Review B, 2015, 91, .	3.2	16
16	Operating principle of a three-terminal domain wall device with perpendicularly magnetized Ta/CoFeB/MgO free layer and underlying hard magnets. Japanese Journal of Applied Physics, 2014, 53, 063002.	1.5	7
17	Transition in mechanism for current-driven magnetic domain wall dynamics. Applied Physics Express, 2014, 7, 053006.	2.4	27
18	Two-barrier stability that allows low-power operation in current-induced domain-wall motion. Nature Communications, 2013, 4, 2011.	12.8	43

#	Article	IF	Citations
19	High-speed and reliable domain wall motion device: Material design for embedded memory and logic application. , 2012, , .		23
20	Current-induced magnetic domain wall motion below intrinsic threshold triggered by Walker breakdown. Nature Nanotechnology, 2012, 7, 635-639.	31.5	52
21	Temperature dependence of carrier spin polarization determined from current-induced domain wall motion in a Co/Ni nanowire. Applied Physics Letters, 2012, 100, .	3.3	39
22	Current-Induced Magnetic Domain Wall Motion in Co/Ni Nanowire at Low Temperature. Applied Physics Express, 2011, 4, 063003.	2.4	15
23	Magnetic field insensitivity of magnetic domain wall velocity induced by electrical current in Co/Ni nanowire. Applied Physics Letters, 2011, 98, .	3.3	57
24	Observation of the intrinsic pinning of a magnetic domain wall in a ferromagnetic nanowire. Nature Materials, 2011, 10, 194-197.	27.5	302
25	Wire Width Dependence of Threshold Current Density for Domain Wall Motion in Co/Ni Nanowires. IEEE Transactions on Magnetics, 2011, 47, 3089-3091.	2.1	9
26	Current-induced domain wall motion in Co/Ni nano-wires with different Co and Ni thicknesses. Journal of Physics: Conference Series, 2011, 266, 012110.	0.4	8
27	Effect of Annealing in Hydrogen Atmosphere on Carbon Nanocap Formation in Surface Decomposition of 6H-SiC(000-1). Journal of Nanoscience and Nanotechnology, 2010, 10, 4054-4059.	0.9	7
28	Control of Multiple Magnetic Domain Walls by Current in a Co/Ni Nano-Wire. Applied Physics Express, 2010, 3, 073004.	2.4	108
29	Nucleation and growth processes of silicon nanowires. Materials Research Society Symposia Proceedings, 2004, 832, 353.	0.1	0
30	Formation mechanism of nanocatalysts for the growth of silicon nanowires on a hydrogen-terminated Si {111} surface template. Applied Physics Letters, 2003, 82, 979-981.	3.3	19
31	LEED Intensity Measurement by Photographic Method with Digital Image Processing. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1979, 34, 648-652.	1.5	2
32	High-power Nd3+POCl<inf>3</inf>liquid laser system. IEEE Journal of Quantum Electronics, 1972, 8, 192-196.	1.9	15