

Kohei Ueda

List of Publications by Year in descending order

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32
papers

1,705
citations

471509

17
h-index

454955

30
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34
all docs

34
docs citations

34
times ranked

1873
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast current-driven domain walls and small skyrmions in a compensated ferrimagnet. <i>Nature Nanotechnology</i> , 2018, 13, 1154-1160.	31.5	406
2	Observation of the intrinsic pinning of a magnetic domain wall in a ferromagnetic nanowire. <i>Nature Materials</i> , 2011, 10, 194-197.	27.5	302
3	Soliton-like magnetic domain wall motion induced by the interfacial Dzyaloshinskii-Moriya interaction. <i>Nature Physics</i> , 2016, 12, 157-161.	16.7	125
4	Control of Multiple Magnetic Domain Walls by Current in a Co/Ni Nano-Wire. <i>Applied Physics Express</i> , 2010, 3, 073004.	2.4	108
5	Temperature dependence of spin-orbit torques across the magnetic compensation point in a ferrimagnetic TbCo alloy film. <i>Physical Review B</i> , 2017, 96, .	3.2	100
6	Spin-orbit torques in Ta/TbxCo100-x ferrimagnetic alloy films with bulk perpendicular magnetic anisotropy. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	68
7	Correlation of the Dzyaloshinskii-Moriya interaction with Heisenberg exchange and orbital asphericity. <i>Nature Communications</i> , 2018, 9, 1648.	12.8	60
8	Magnetic field insensitivity of magnetic domain wall velocity induced by electrical current in Co/Ni nanowire. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	57
9	Current-induced magnetic domain wall motion below intrinsic threshold triggered by Walker breakdown. <i>Nature Nanotechnology</i> , 2012, 7, 635-639.	31.5	52
10	Effect of rare earth metal on the spin-orbit torque in magnetic heterostructures. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	50
11	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. <i>Acta Biomaterialia</i> , 2015, 24, 152-158.	8.3	49
12	Two-barrier stability that allows low-power operation in current-induced domain-wall motion. <i>Nature Communications</i> , 2013, 4, 2011.	12.8	43
13	Temperature dependence of carrier spin polarization determined from current-induced domain wall motion in a Co/Ni nanowire. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	39
14	Drop-on-Drop Multimaterial 3D Bioprinting Realized by Peroxidase-Mediated Cross-Linking. <i>Macromolecular Rapid Communications</i> , 2018, 39, 1700534.	3.9	39
15	Transition in mechanism for current-driven magnetic domain wall dynamics. <i>Applied Physics Express</i> , 2014, 7, 053006.	2.4	27
16	High-speed and reliable domain wall motion device: Material design for embedded memory and logic application. , 2012, , .		23
17	Formation mechanism of nanocatalysts for the growth of silicon nanowires on a hydrogen-terminated Si {111} surface template. <i>Applied Physics Letters</i> , 2003, 82, 979-981.	3.3	19
18	Effect of annealing on magnetic properties in ferrimagnetic GdCo alloy films with bulk perpendicular magnetic anisotropy. <i>AIP Advances</i> , 2018, 8, .	1.3	18

#	ARTICLE	IF	CITATIONS
19	In-plane field-driven crossover in the spin-torque mechanism acting on magnetic domain walls in Co/Ni. <i>Physical Review B</i> , 2015, 91, .	3.2	16
20	High-power Nd ³⁺ POCl ₃ liquid laser system. <i>IEEE Journal of Quantum Electronics</i> , 1972, 8, 192-196.	1.9	15
21	Current-Induced Magnetic Domain Wall Motion in Co/Ni Nanowire at Low Temperature. <i>Applied Physics Express</i> , 2011, 4, 063003.	2.4	15
22	Spin-orbit torque generation in NiFeO bilayers. <i>Physical Review B</i> , 2020, 102, .	3.2	13
23	Inkjetting Plus Peroxidase-Mediated Hydrogelation Produces Cell-Laden, Cell-Sized Particles with Suitable Characters for Individual Applications. <i>Macromolecular Bioscience</i> , 2017, 17, 1600416.	4.1	10
24	Wire Width Dependence of Threshold Current Density for Domain Wall Motion in Co/Ni Nanowires. <i>IEEE Transactions on Magnetics</i> , 2011, 47, 3089-3091.	2.1	9
25	Temperature dependence of current-induced magnetic domain wall motion in an asymmetric Co/Ni nanowire. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 038004.	1.5	9
26	Current-induced domain wall motion in Co/Ni nano-wires with different Co and Ni thicknesses. <i>Journal of Physics: Conference Series</i> , 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). <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 4054-4059.	0.9	7
28	Operating principle of a three-terminal domain wall device with perpendicularly magnetized Ta/CoFeB/MgO free layer and underlying hard magnets. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 063002.	1.5	7
29	Spin-orbit torque generation in bilayers composed of CoFeB and epitaxial SrIrO ₃ grown on an orthorhombic DyScO ₃ substrate. <i>Applied Physics Letters</i> , 2022, 121, .	3.3	5
30	Stacking-Order Effect on Spin-Orbit Torque, Spin Hall Magnetoresistance, and Magnetic Anisotropy in Ni ₈₁ Fe ₁₉ Bilayers. <i>Physical Review Applied</i> , 2021, 16, .	3.2	4
31	LEED Intensity Measurement by Photographic Method with Digital Image Processing. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1979, 34, 648-652.	1.5	2
32	Nucleation and growth processes of silicon nanowires. <i>Materials Research Society Symposia Proceedings</i> , 2004, 832, 353.	0.1	0