

Yoshichika Otani

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369
papers

12,351
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56
h-index

99
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404
ext. papers

14,044
ext. citations

4.4
avg, IF

6.45
L-index

#	Paper	IF	Citations
369	Room-temperature reversible spin Hall effect. <i>Physical Review Letters</i> , 2007 , 98, 156601	7.4	791
368	Eigenfrequencies of vortex state excitations in magnetic submicron-size disks. <i>Journal of Applied Physics</i> , 2002 , 91, 8037	2.5	460
367	Magnetic properties of a new series of rare-earth iron nitrides: R ₂ Fe ₁₇ Ny (y approximately 2.6). <i>Journal of Physics Condensed Matter</i> , 1990 , 2, 6465-6470	1.8	313
366	The 2014 Magnetism Roadmap. <i>Journal Physics D: Applied Physics</i> , 2014 , 47, 333001	3	291
365	Magnetization reversal due to vortex nucleation, displacement, and annihilation in submicron ferromagnetic dot arrays. <i>Physical Review B</i> , 2001 , 65,	3.3	280
364	Large anomalous Nernst effect at room temperature in a chiral antiferromagnet. <i>Nature Physics</i> , 2017 , 13, 1085-1090	16.2	256
363	Indication of intrinsic spin Hall effect in 4d and 5d transition metals. <i>Physical Review B</i> , 2011 , 83,	3.3	255
362	Giant spin Hall effect induced by skew scattering from bismuth impurities inside thin film CuBi alloys. <i>Physical Review Letters</i> , 2012 , 109, 156602	7.4	240
361	Giant spin-accumulation signal and pure spin-current-induced reversible magnetization switching. <i>Nature Physics</i> , 2008 , 4, 851-854	16.2	219
360	Fermi-level-dependent charge-to-spin current conversion by Dirac surface states of topological insulators. <i>Nature Physics</i> , 2016 , 12, 1027-1031	16.2	210
359	Tuning the spin Hall effect of Pt from the moderately dirty to the superclean regime. <i>Physical Review B</i> , 2016 , 94,	3.3	186
358	Evolution of the spin Hall effect in Pt nanowires: size and temperature effects. <i>Physical Review Letters</i> , 2007 , 99, 226604	7.4	179
357	Estimation of spin-diffusion length from the magnitude of spin-current absorption: Multiterminal ferromagnetic/nonferromagnetic hybrid structures. <i>Physical Review B</i> , 2005 , 72,	3.3	179
356	Extrinsic spin Hall effect induced by iridium impurities in copper. <i>Physical Review Letters</i> , 2011 , 106, 126604	7.4	171
355	Giant enhancement of spin accumulation and long-distance spin precession in metallic lateral spin valves. <i>Nature Materials</i> , 2011 , 10, 527-31	27	159
354	Gas-phase carbonation of R ₂ Fe ₁₇ ; R = Y, Sm. <i>Journal of Magnetism and Magnetic Materials</i> , 1991 , 98, 76-78	2.8	157
353	Field evolution of magnetic vortex state in ferromagnetic disks. <i>Applied Physics Letters</i> , 2001 , 78, 3848-3850	3.4	154

352	Spin excitations of magnetic vortices in ferromagnetic nanodots. <i>Physical Review B</i> , 2002 , 66,	3.3	149
351	Spin wave contributions to the high-frequency magnetic response of thin films obtained with inductive methods. <i>Journal of Applied Physics</i> , 2004 , 95, 5646-5652	2.5	145
350	Effect of interdot magnetostatic interaction on magnetization reversal in circular dot arrays. <i>Physical Review B</i> , 2002 , 65,	3.3	130
349	Magnetic properties of a new family of ternary rare-earth iron nitrides $R_2Fe_{17}N_3$ (invited). <i>Journal of Applied Physics</i> , 1991 , 69, 5584-5589	2.5	126
348	Switching magnetization of a nanoscale ferromagnetic particle using nonlocal spin injection. <i>Physical Review Letters</i> , 2006 , 96, 037201	7.4	125
347	Dynamics of magnetostatically coupled vortices in magnetic nanodisks. <i>Physical Review B</i> , 2003 , 67,	3.3	125
346	Temperature evolution of spin relaxation in a NiFe/Cu lateral spin valve. <i>Physical Review Letters</i> , 2008 , 100, 066602	7.4	123
345	$2e^2/h$ to e^2/h switching of quantum conductance associated with a change in nanoscale ferromagnetic domain structure. <i>Applied Physics Letters</i> , 1999 , 75, 1622-1624	3.4	123
344	Magnetostatic interactions between magnetic arrays and superconducting thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 1993 , 126, 622-625	2.8	118
343	Magnetic and magnetic inverse spin Hall effects in a non-collinear antiferromagnet. <i>Nature</i> , 2019 , 565, 627-630	50.4	118
342	Spin-wave spectra of perpendicularly magnetized circular submicron dot arrays. <i>Applied Physics Letters</i> , 2004 , 85, 443-445	3.4	114
341	Current-induced magnetic vortex motion by spin-transfer torque. <i>Physical Review B</i> , 2006 , 73,	3.3	104
340	Metal bonded $Sm_2Fe_{17}N_3$ magnets. <i>Journal of Applied Physics</i> , 1991 , 69, 6735-6737	2.5	99
339	Dynamics of coupled vortices in a pair of ferromagnetic disks. <i>Physical Review Letters</i> , 2011 , 106, 197203	7.4	98
338	Magnetic vortex dynamics in a two-dimensional square lattice of ferromagnetic nanodisks. <i>Physical Review B</i> , 2004 , 70,	3.3	97
337	Structure and magnetism of hcp-Co fine particles. <i>Journal of Applied Physics</i> , 1997 , 81, 1858-1862	2.5	96
336	Large spin accumulation in a permalloy-silver lateral spin valve. <i>Physical Review Letters</i> , 2007 , 99, 196604	7.4	86
335	Current-Nonlinear Hall Effect and Spin-Orbit Torque Magnetization Switching in a Magnetic Topological Insulator. <i>Physical Review Letters</i> , 2017 , 119, 137204	7.4	85

334	5d iridium oxide as a material for spin-current detection. <i>Nature Communications</i> , 2013 , 4, 2893	17.4	84
333	Electrical manipulation of a topological antiferromagnetic state. <i>Nature</i> , 2020 , 580, 608-613	50.4	84
332	Extrinsic spin Hall effects measured with lateral spin valve structures. <i>Physical Review B</i> , 2014 , 89,	3.3	82
331	Experimental verification of comparability between spin-orbit and spin-diffusion lengths. <i>Physical Review Letters</i> , 2013 , 110, 016805	7.4	77
330	Novel magnetostrictive memory device. <i>Journal of Applied Physics</i> , 2000 , 87, 6400-6402	2.5	77
329	Reciprocal spin Hall effects in conductors with strong spin-orbit coupling: a review. <i>Reports on Progress in Physics</i> , 2015 , 78, 124501	14.4	75
328	Quantum materials for spin and charge conversion. <i>Npj Quantum Materials</i> , 2018 , 3,	5	75
327	Tunable Magnonic Spectra in Two-Dimensional Magnonic Crystals with Variable Lattice Symmetry. <i>Advanced Functional Materials</i> , 2013 , 23, 2378-2386	15.6	69
326	Spin-dependent boundary resistance in the lateral spin-valve structure. <i>Applied Physics Letters</i> , 2004 , 85, 3501-3503	3.4	69
325	The 2021 Magnonics Roadmap. <i>Journal of Physics Condensed Matter</i> , 2021 , 33,	1.8	69
324	Magneto-chiral nonreciprocity of volume spin wave propagation in chiral-lattice ferromagnets. <i>Physical Review B</i> , 2016 , 93,	3.3	67
323	Vertical bistable switching of spin vortex in a circular magnetic dot. <i>Journal of Applied Physics</i> , 2001 , 90, 6548-6549	2.5	66
322	Magnetic Vortex Dynamics. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 031004	1.5	64
321	Quasiparticle-mediated spin Hall effect in $\text{d}_{x^2-y^2}$ superconductor. <i>Nature Materials</i> , 2015 , 14, 675-8	27	63
320	Thickness dependence of spin torque ferromagnetic resonance in $\text{Co}_{75}\text{Fe}_{25}/\text{Pt}$ bilayer films. <i>Applied Physics Letters</i> , 2014 , 104, 072405	3.4	63
319	Influence of 5d transition elements on the magnetocrystalline anisotropy of hcp-Co. <i>Journal of Physics Condensed Matter</i> , 1999 , 11, L485-L490	1.8	61
318	Magnetic and transport properties of ferromagnetic particulate arrays fabricated on superconducting thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 1993 , 121, 223-226	2.8	60
317	Experimental observation of spin-to-charge current conversion at non-magnetic metal/ Bi_2O_3 interfaces. <i>Applied Physics Express</i> , 2016 , 9, 033001	2.4	59

316	Shape effect on magnetization reversal in chains of interacting ferromagnetic elements. <i>Applied Physics Letters</i> , 2003 , 82, 3716-3718	3.4	59
315	Optically induced tunable magnetization dynamics in nanoscale co antidot lattices. <i>ACS Nano</i> , 2012 , 6, 3397-403	16.7	56
314	Spin transport in lateral ferromagnetic/nonmagnetic hybrid structures. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 165216	1.8	56
313	Spin conversion on the nanoscale. <i>Nature Physics</i> , 2017 , 13, 829-832	16.2	55
312	Effects of Pt and Ta on the magnetic anisotropy of Co and CoIr thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 1999 , 202, 305-310	2.8	55
311	Spin injection into a superconductor with strong spin-orbit coupling. <i>Physical Review Letters</i> , 2014 , 112, 036602	7.4	54
310	Anomalous Hall effect in thin films of the Weyl antiferromagnet Mn ₃ Sn. <i>Applied Physics Letters</i> , 2018 , 113, 202402	3.4	54
309	Enhancement of spin accumulation in a nonmagnetic layer by reducing junction size. <i>Physical Review B</i> , 2006 , 73,	3.3	53
308	Magnetic and transport properties of sub-micron ferromagnetic wires. <i>IEEE Transactions on Magnetism</i> , 1998 , 34, 1096-1098	2	53
307	TMOKE hysteresis loops in Bragg diffraction from 2D patterns. <i>Journal of Magnetism and Magnetic Materials</i> , 1993 , 121, 516-519	2.8	53
306	Towards magnonic devices based on voltage-controlled magnetic anisotropy. <i>Communications Physics</i> , 2019 , 2,	5.4	51
305	Vortex motion in chirality-controlled pair of magnetic disks. <i>Applied Physics Letters</i> , 2007 , 90, 132501	3.4	51
304	Current-Excited Magnetization Dynamics in Narrow Ferromagnetic Wires. <i>Japanese Journal of Applied Physics</i> , 2006 , 45, L683-L685	1.4	51
303	Detection of picosecond magnetization dynamics of 50 nm magnetic dots down to the single dot regime. <i>ACS Nano</i> , 2011 , 5, 9559-65	16.7	48
302	Nucleation and annihilation of magnetic vortices in sub-micron permalloy dots. <i>IEEE Transactions on Magnetism</i> , 2001 , 37, 2088-2090	2	48
301	Magneto-Volume and Tetragonal Elongation Effects on Magnetic Phase Transitions of Body-Centered Tetragonal FeRh _{1-x} Ptx. <i>Journal of the Physical Society of Japan</i> , 1994 , 63, 3129-3144	1.5	48
300	Voltage-Controlled Reconfigurable Spin-Wave Nanochannels and Logic Devices. <i>Physical Review Applied</i> , 2018 , 9,	4.3	47
299	Vortex chirality in an array of ferromagnetic dots. <i>Physical Review B</i> , 2002 , 65,	3.3	45

298	Gas-phase carbonation of R2Fe17. <i>Journal of Magnetism and Magnetic Materials</i> , 1992 , 104-107, 1439-1448	44
297	Gyration mode splitting in magnetostatically coupled magnetic vortices in an array. <i>Journal Physics D: Applied Physics</i> , 2010 , 43, 422001	3 43
296	Spintronic devices for energy-efficient data storage and energy harvesting. <i>Communications Materials</i> , 2020 , 1,	6 42
295	Influence of inverse spin Hall effect in spin-torque ferromagnetic resonance measurements. <i>Applied Physics Express</i> , 2016 , 9, 023002	2.4 42
294	In-plane and out-of-plane uniaxial anisotropies in rectangular arrays of circular dots studied by ferromagnetic resonance. <i>Journal of Applied Physics</i> , 2003 , 93, 8418-8420	2.5 42
293	Realization of a micrometre-scale spin-wave interferometer. <i>Scientific Reports</i> , 2015 , 5, 9873	4.9 41
292	Propagation dynamics of spin excitations along skyrmion strings. <i>Nature Communications</i> , 2020 , 11, 25617.4	40
291	Magnetoresistance and planar Hall effects in submicron exchange-coupled NiO/Fe19Ni81 wires. <i>Applied Physics Letters</i> , 1999 , 74, 4026-4028	3.4 40
290	Enhanced spin accumulation obtained by inserting low-resistance MgO interface in metallic lateral spin valves. <i>Applied Physics Letters</i> , 2010 , 97, 012507	3.4 39
289	Current-induced vortex displacement and annihilation in a single permalloy disk. <i>Physical Review B</i> , 2006 , 74,	3.3 38
288	Revisiting the measurement of the spin relaxation time in graphene-based devices. <i>Physical Review B</i> , 2015 , 91,	3.3 37
287	Inverse Edelstein effect induced by magnon-phonon coupling. <i>Physical Review B</i> , 2018 , 97,	3.3 36
286	Unveiling the mechanisms of the spin Hall effect in Ta. <i>Physical Review B</i> , 2018 , 98,	3.3 35
285	High-resolution observation of magnetization processes in 2 μm \times 0.04 μm permalloy particles. <i>Journal of Applied Physics</i> , 1996 , 79, 5075	2.5 35
284	Charged-particle multiplicity distributions in \vec{E} and \vec{p} charged-current interactions. <i>Physical Review D</i> , 1983 , 27, 47-57	4.9 35
283	Current distribution inside Py/Cu lateral spin-valve devices. <i>Physical Review B</i> , 2005 , 71,	3.3 34
282	Manipulation of spin currents in metallic systems. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011 , 369, 3136-49	3 33
281	Magnetic flux penetration process in two-dimensional superconductor covered with ferromagnetic particle array. <i>Journal of Applied Physics</i> , 1996 , 79, 8571-8577	2.5 33

280	Spin relaxation mechanism in silver nanowires covered with MgO protection layer. <i>Applied Physics Letters</i> , 2012 , 101, 022415	3-4	32
279	Magnetization reversal in submicron ferromagnetic dots and antidots arrays. <i>IEEE Transactions on Magnetism</i> , 1998 , 34, 1090-1092	2	32
278	Current-excited magnetization reversal under in-plane magnetic field in a nanoscaled ferromagnetic wire. <i>Applied Physics Letters</i> , 2008 , 92, 012505	3-4	31
277	Suppression of spin accumulation in nonmagnet due to ferromagnetic ohmic contact. <i>Applied Physics Letters</i> , 2004 , 85, 3795-3796	3-4	31
276	Excitation of coherent propagating spin waves in ultrathin CoFeB film by voltage-controlled magnetic anisotropy. <i>Applied Physics Letters</i> , 2017 , 111, 052404	3-4	30
275	Anomalous Nernst effect in a microfabricated thermoelectric element made of chiral antiferromagnet Mn ₃ Sn. <i>Applied Physics Letters</i> , 2017 , 111, 202404	3-4	30
274	Modulation of effective damping constant using spin Hall effect. <i>Applied Physics Letters</i> , 2014 , 104, 092408	3-4	30
273	Dynamics of 1-D Chains of Magnetic Vortices in Response to Local and Global Excitations. <i>IEEE Transactions on Magnetism</i> , 2010 , 46, 1342-1345	2	30
272	Clear variation of spin splitting by changing electron distribution at non-magnetic metal/BiO interfaces. <i>Scientific Reports</i> , 2018 , 8, 5564	4-9	29
271	Effect of antiferromagnetic grain size on exchange-coupling field of Cr ₇₀ Al ₃₀ /Fe ₁₉ Ni ₈₁ bilayers. <i>Applied Physics Letters</i> , 1997 , 71, 1258-1260	3-4	29
270	Relation between spin Hall effect and anomalous Hall effect in 3d ferromagnetic metals. <i>Physical Review B</i> , 2019 , 99,	3-3	29
269	Benchtop time-resolved magneto-optical Kerr magnetometer. <i>Review of Scientific Instruments</i> , 2008 , 79, 123905	1-7	28
268	Magnetic characterization and switching of Co nanorings in current-perpendicular-to-plane configuration. <i>Applied Physics Letters</i> , 2007 , 90, 022504	3-4	28
267	Nonreciprocal surface acoustic wave propagation via magneto-rotation coupling. <i>Science Advances</i> , 2020 , 6, eabb1724	14-3	28
266	Voltage-induced magnetization dynamics in CoFeB/MgO/CoFeB magnetic tunnel junctions. <i>Scientific Reports</i> , 2017 , 7, 42511	4-9	27
265	Effect of anisotropic spin absorption on the Hanle effect in lateral spin valves. <i>Physical Review B</i> , 2014 , 89,	3-3	27
264	First-Order Magnetic Phase Transitions Observed in bct FeRh/Bt, Pd Systems. <i>Japanese Journal of Applied Physics</i> , 1993 , 32, 232	1-4	27
263	Multiparticle production by 200-GeV/c hadrons on gold, silver, and magnesium targets. <i>Physical Review D</i> , 1989 , 39, 2484-2493	4-9	27

262	Coercivity and microstructure of melt-spun Sm(Fe ₁₁ Ti). <i>Journal of Applied Physics</i> , 1990 , 67, 4659-4661	2.5	27
261	Shape- and Interface-Induced Control of Spin Dynamics of Two-Dimensional Bicomponent Magnonic Crystals. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 18339-46	9.5	26
260	Efficient Modulation of Spin Waves in Two-Dimensional Octagonal Magnonic Crystal. <i>ACS Nano</i> , 2017 , 11, 8814-8821	16.7	26
259	The spin Hall effect as a probe of nonlinear spin fluctuations. <i>Nature Communications</i> , 2012 , 3, 1058	17.4	26
258	Evaluation of spin diffusion length and spin Hall angle of the antiferromagnetic Weyl semimetal Mn ₃ Sn. <i>Physical Review B</i> , 2019 , 99,	3.3	25
257	Spin transfer switching in current-perpendicular-to-plane spin valve observed by magneto-optical Kerr effect using visible light. <i>Applied Physics Letters</i> , 2007 , 91, 052507	3.4	25
256	Large magnetoresistance in Heusler-alloy-based epitaxial magnetic junctions with semiconducting Cu(In _{0.8} Ga _{0.2})Se ₂ spacer. <i>Applied Physics Letters</i> , 2016 , 109, 032409	3.4	25
255	Tunable spin wave spectra in two-dimensional Ni ₈₀ Fe ₂₀ antidot lattices with varying lattice symmetry. <i>Journal of Applied Physics</i> , 2015 , 118, 053910	2.5	24
254	Detection of magnetic state in a nanoscale ferromagnetic ring by using ballistic semiconductor two-dimensional electron gas. <i>Applied Physics Letters</i> , 2006 , 88, 082501	3.4	24
253	Electrical control of the direction of spin accumulation. <i>Physical Review Letters</i> , 2007 , 99, 166601	7.4	24
252	Determination of magnetic vortex chirality using lateral spin-valve geometry. <i>Applied Physics Letters</i> , 2005 , 87, 172506	3.4	24
251	Pinning of magnetic vortices in microfabricated permalloy dot arrays. <i>Journal of Applied Physics</i> , 2002 , 92, 1473-1476	2.5	24
250	Important role of magnetization precession angle measurement in inverse spin Hall effect induced by spin pumping. <i>Applied Physics Letters</i> , 2017 , 110, 022404	3.4	23
249	Simulations of the dynamic switching of vortex chirality in magnetic nanodisks by a uniform field pulse. <i>Physical Review B</i> , 2009 , 80,	3.3	23
248	Magneto-Optical and Spin-Transfer Switching Properties of Current-Perpendicular-to Plane Spin Valves With Perpendicular Magnetic Anisotropy. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 2491-2495	2	23
247	Domain Nucleation and Annihilation in Uniformly Magnetized State under Current Pulses in Narrow Ferromagnetic Wires. <i>Japanese Journal of Applied Physics</i> , 2006 , 45, L1322-L1324	1.4	23
246	Suppressed pinning field of a trapped domain wall due to direct current injection. <i>Journal of Applied Physics</i> , 2003 , 94, 7266-7269	2.5	23
245	Magnetism of Body-Centered Tetragonal FeRh _{1-x} Pd _x Alloys (I) Magnetic Properties. <i>Journal of the Physical Society of Japan</i> , 1995 , 64, 4906-4913	1.5	23

244	Emergent electromagnetic induction in a helical-spin magnet. <i>Nature</i> , 2020 , 586, 232-236	50.4	23
243	Evaluation of bulk-interface contributions to Edelstein magnetoresistance at metal/oxide interfaces. <i>Physical Review B</i> , 2017 , 96,	3.3	22
242	Creation of magnetic skyrmions by surface acoustic waves. <i>Nature Nanotechnology</i> , 2020 , 15, 361-366	28.7	22
241	Macroscopic Magnetization Control by Symmetry Breaking of Photoinduced Spin Reorientation with Intense Terahertz Magnetic Near Field. <i>Physical Review Letters</i> , 2018 , 120, 107202	7.4	22
240	Tunable spin wave dynamics in two-dimensional Ni80Fe20 nanodot lattices by varying dot shape. <i>Applied Physics Letters</i> , 2014 , 105, 012406	3.4	22
239	Neutral-Current \vec{B} and \vec{B} Cross Sections from High-Energy Neutrino Interactions in Deuterium. <i>Physical Review Letters</i> , 1982 , 48, 910-914	7.4	22
238	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	3	21
237	Spin relaxation mechanism in a highly doped organic polymer film. <i>Physical Review B</i> , 2015 , 91,	3.3	21
236	Conductance quantization in ferromagnetic Ni nano-constriction. <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 239, 243-245	2.8	21
235	Spin-current-assisted domain-wall depinning in a submicron magnetic wire. <i>Journal of Applied Physics</i> , 2003 , 94, 7947	2.5	21
234	Acoustic ferromagnetic resonance and spin pumping induced by surface acoustic waves. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 264002	3	20
233	Magnetic and Transport Properties of Micron Size Magnetic Particulate Arrays Fabricated on a 2D Superconducting Nb Films and Sub-Micron Magnetic Wires. <i>Materials Research Society Symposia Proceedings</i> , 1997 , 475, 215		20
232	Laser ablation deposition of metallic films and bilayers (Fe, rare earth and R/Fe bilayers). <i>Journal of Magnetism and Magnetic Materials</i> , 1993 , 126, 225-231	2.8	20
231	Magnetocrystalline anisotropy in Nd-Fe-B magnet. <i>Journal of Applied Physics</i> , 1987 , 61, 3436-3438	2.5	20
230	Roadmap on Spin-Wave Computing. <i>IEEE Transactions on Magnetics</i> , 2022 , 1-1	2	20
229	Tunable configurational anisotropy in collective magnetization dynamics of Ni80Fe20 nanodot arrays with varying dot shapes. <i>Journal of Applied Physics</i> , 2015 , 117, 213909	2.5	19
228	Construction and development of a time-resolved x-ray magnetic circular dichroism-photoelectron emission microscopy system using femtosecond laser pulses at BL25SU SPring-8. <i>Review of Scientific Instruments</i> , 2008 , 79, 063903	1.7	19
227	Change in the Resistivity of bcc and bct FeRh Alloys at First-Order Magnetic Phase Transitions. <i>Journal of the Physical Society of Japan</i> , 1995 , 64, 3978-3985	1.5	19

226	Characteristics of Yttrium Iron Garnet Ultrafine Particles Prepared by the Alkoxide Method. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 1787-1792	3.8	19
225	Magnetization processes in Nd-Fe-B permanent magnets. <i>Journal of Magnetism and Magnetic Materials</i> , 1986 , 60, 168-170	2.8	19
224	All-optical investigation of tunable picosecond magnetization dynamics in ferromagnetic nanostripes with a width down to 50 nm. <i>Nanoscale</i> , 2015 , 7, 18312-9	7.7	18
223	Spin diffusion length of Permalloy using spin absorption in lateral spin valves. <i>Applied Physics Letters</i> , 2017 , 111, 082407	3.4	18
222	Spin injection properties in trilayer graphene lateral spin valves. <i>Applied Physics Letters</i> , 2013 , 102, 033105	4	18
221	Spin Signal in Metallic Lateral Spin Valves Made by a Multiple Angle Evaporation Technique. <i>Applied Physics Express</i> , 2011 , 4, 063007	2.4	18
220	Inductive measurement of the high frequency permeability of a Permalloy thin film. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 290-292	2.8	18
219	Direct optical observation of spin accumulation at nonmagnetic metal/oxide interface. <i>Applied Physics Letters</i> , 2017 , 111, 092402	3.4	17
218	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	2.4	17
217	Towards coherent spin precession in pure-spin current. <i>Scientific Reports</i> , 2012 , 2, 628	4.9	17
216	Giant room temperature volume magnetostriction in an Fe ₇ Rh ₃ Pd alloy. <i>Journal of Magnetism and Magnetic Materials</i> , 1995 , 140-144, 231-232	2.8	17
215	Voltage controlled on-demand magnonic nanochannels. <i>Science Advances</i> , 2020 , 6,	14.3	17
214	Effect of excitation power on voltage induced local magnetization dynamics in an ultrathin CoFeB film. <i>Scientific Reports</i> , 2017 , 7, 2318	4.9	16
213	Inverse spin Hall effect in a closed loop circuit. <i>Applied Physics Letters</i> , 2014 , 104, 242415	3.4	16
212	Configurational anisotropic spin waves in cross-shaped Ni ₈₀ Fe ₂₀ nanoelements. <i>Applied Physics Letters</i> , 2013 , 102, 192402	3.4	16
211	Three-dimensional distribution of spin-polarized current inside (Cu ₁₀₀) pillar structures. <i>Physical Review B</i> , 2005 , 71,	3.3	16
210	Magnetic and transport properties of epitaxial Fe/MgO(001) wires. <i>Journal of Magnetism and Magnetic Materials</i> , 1999 , 198-199, 200-203	2.8	16
209	Anomalous demagnetization process at very low temperature in Nd-Fe-B magnets. <i>Journal of Applied Physics</i> , 1990 , 67, 4619-4621	2.5	16

208	PERFECT ALLOYS FOR SPIN HALL CURRENT-INDUCED MAGNETIZATION SWITCHING. <i>Spin</i> , 2012 , 02, 1250010	15	
207	Controlled propagation of locally excited vortex dynamics in linear nanomagnet arrays. <i>Journal Physics D: Applied Physics</i> , 2010 , 43, 335001	3	15
206	Current-induced vortex-vortex switching in a nanopillar comprising two Co nano-rings. <i>Applied Physics Letters</i> , 2007 , 90, 092505	3.4	15
205	Convergence properties of critical dimension measurements by spectroscopic ellipsometry on gratings made of various materials. <i>Journal of Applied Physics</i> , 2006 , 100, 054906	2.5	15
204	Effect of probe configuration on spin accumulation in lateral spin-valve structure. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 286, 88-90	2.8	15
203	Vertical magnetization process in sub-micron permalloy dots. <i>IEEE Transactions on Magnetics</i> , 2001 , 37, 2082-2084	2	15
202	. <i>IEEE Transactions on Magnetics</i> , 1990 , 26, 2658-2660	2	15
201	Demagnetization process and magnetic seeds for R-Fe-B permanent magnets. <i>IEEE Transactions on Magnetics</i> , 1987 , 23, 2527-2529	2	15
200	Comparison of cross sections from deep-inelastic neutrino scattering on neon and deuterium. <i>Physical Review D</i> , 1985 , 32, 2441-2444	4.9	15
199	Anisotropy in collective precessional dynamics in arrays of Ni ₈₀ Fe ₂₀ nanoelements. <i>Journal of Applied Physics</i> , 2012 , 111, 07D503	2.5	14
198	Optical detection of spin transport in nonmagnetic metals. <i>Physical Review Letters</i> , 2011 , 106, 226601	7.4	14
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