

# Koki Takanashi

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/9485725/koki-takanashi-publications-by-citations.pdf>  
**Version:** 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.  
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

461 papers	10,341 citations	47 h-index	86 g-index
487 ext. papers	11,391 ext. citations	3 avg, IF	6.1 L-index

#	Paper	IF	Citations
461	Transmission of electrical signals by spin-wave interconversion in a magnetic insulator. <i>Nature</i> , <b>2010</b> , 464, 262-6	50.4	1127
460	Giant spin Hall effect in perpendicularly spin-polarized FePt/Au devices. <i>Nature Materials</i> , <b>2008</b> , 7, 125-9	27	340
459	Enhanced Magnetoresistance in Insulating Granular Systems: Evidence for Higher-Order Tunneling. <i>Physical Review Letters</i> , <b>1998</b> , 81, 2799-2802	7.4	295
458	Future perspectives for spintronic devices. <i>Journal Physics D: Applied Physics</i> , <b>2014</b> , 47, 193001	3	287
457	Low-temperature fabrication of L10 ordered FePt alloy by alternate monatomic layer deposition. <i>Applied Physics Letters</i> , <b>2002</b> , 80, 288-290	3.4	250
456	Preparation and magnetic properties of highly coercive FePt films. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 1050-1052	244	
455	Large tunnel magnetoresistance in magnetic tunnel junctions using a Co <sub>2</sub> MnSi Heusler alloy electrode and a MgO barrier. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 112506	3.4	224
454	Coercivity exceeding 100kOe in epitaxially grown FePt sputtered films. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 2571-2573	3.4	208
453	Mechanism of large magnetoresistance in Co <sub>2</sub> MnSi/Ag/Co <sub>2</sub> MnSi devices with current perpendicular to the plane. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	178
452	Large Interface Spin-Asymmetry and Magnetoresistance in Fully Epitaxial Co <sub>2</sub> MnSi/Ag/Co <sub>2</sub> MnSi Current-Perpendicular-to-Plane Magnetoresistive Devices. <i>Applied Physics Express</i> , <b>2009</b> , 2, 063003	2.4	155
451	Enhanced spin accumulation and novel magnetotransport in nanoparticles. <i>Nature Materials</i> , <b>2005</b> , 4, 57-61	27	150
450	Extensive study of giant magnetoresistance properties in half-metallic Co <sub>2</sub> (Fe,Mn)Si-based devices. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 252408	3.4	147
449	Artificial fabrication of an L10-type ordered FeAu alloy by alternate monatomic deposition. <i>Applied Physics Letters</i> , <b>1995</b> , 67, 1016-1018	3.4	139
448	Spin Seebeck effect in thin films of the Heusler compound Co <sub>2</sub> MnSi. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	135
447	Current-perpendicular-to-plane magnetoresistance in epitaxial Co <sub>2</sub> MnSi/Al <sub>2</sub> O <sub>3</sub> /Co <sub>2</sub> MnSi trilayers. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 222504	3.4	126
446	Spin-polarized current-induced magnetization reversal in perpendicularly magnetized L10-FePt layers. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 172504	3.4	126
445	L10 ordering of off-stoichiometric FePt (001) thin films at reduced temperature. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 2461-2463	3.4	104

444	Composition dependence of particle size distribution and giant magnetoresistance in CoAlO granular films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2000</b> , 212, 75-81	2.8	93
443	Coercivity change in an FePt thin layer in a Hall device by voltage application. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 212505	3.4	90
442	Anomalous Nernst Effect in L10-FePt/MnGa Thermopiles for New Thermoelectric Applications. <i>Applied Physics Express</i> , <b>2013</b> , 6, 033003	2.4	88
441	Structure and magnetic properties for L10-ordered FeNi films prepared by alternate monatomic layer deposition. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 310, 2213-2214	2.8	87
440	Microstructure and magnetic properties of FePt and Fe/FePt polycrystalline films with high coercivity. <i>Journal of Applied Physics</i> , <b>2004</b> , 96, 475-481	2.5	84
439	Enhanced tunnel magnetoresistance in granular nanobridges. <i>Applied Physics Letters</i> , <b>2001</b> , 78, 515-517	3.4	81
438	Anomalous Nernst Effect in an L1 <sub>0</sub> -Ordered Epitaxial FePt Thin Film. <i>Applied Physics Express</i> , <b>2012</b> , 5, 093002	2.4	74
437	Microstructure and magnetic properties of FePt thin films epitaxially grown on MgO (001) substrates. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2003</b> , 267, 248-255	2.8	72
436	Perpendicular magnetic anisotropy and magneto-optical Kerr rotation in FePt(001) monoatomic multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1995</b> , 148, 163-164	2.8	70
435	Enhancement of anomalous Nernst effects in metallic multilayers free from proximity-induced magnetism. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	68
434	Surface-assisted spin Hall effect in Au films with Pt impurities. <i>Physical Review Letters</i> , <b>2010</b> , 105, 216401	3.4	67
433	Enhancement of spin-asymmetry by L21-ordering in Co <sub>2</sub> MnSi/Cr/Co <sub>2</sub> MnSi current-perpendicular-to-plane magnetoresistance devices. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 012511	3.4	63
432	Tunnel magnetoresistance in Co nanoparticle/Co <sub>60</sub> compound hybrid system. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 113118	3.4	63
431	Magnetooptical Kerr Spectrometer for 1.2-5.9 eV Region and its Application to FePt/Pt Multilayers. <i>Japanese Journal of Applied Physics</i> , <b>1993</b> , 32, 989-995	1.4	63
430	Material dependence of anomalous Nernst effect in perpendicularly magnetized ordered-alloy thin films. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 252405	3.4	61
429	Fe-Ni composition dependence of magnetic anisotropy in artificially fabricated L1 <sub>0</sub> -ordered FeNi films. <i>Journal of Physics Condensed Matter</i> , <b>2014</b> , 26, 064207	1.8	60
428	Magnetic bubbles in FePt nanodots with perpendicular anisotropy. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	60
427	Tunnel-MR and spin electronics in metal/nonmetal granular systems. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1999</b> , 198-199, 179-184	2.8	60

426	Formation of FeNi with L10-ordered structure using high-pressure torsion. <i>Philosophical Magazine Letters</i> , <b>2014</b> , 94, 639-646	1	58
425	A novel hysteresis loop and indirect exchange coupling in Co/Pt/Gd/Pt multilayer films. <i>Applied Physics Letters</i> , <b>1993</b> , 63, 1585-1587	3-4	58
424	Anisotropic magnetoresistance in Co <sub>2</sub> (Fe,Mn)Si Heusler epitaxial films: A fingerprint of half-metallicity. <i>Physical Review B</i> , <b>2012</b> , 86,	3-3	57
423	Morphology and domain pattern of L10 ordered FePt films. <i>Journal of Applied Physics</i> , <b>2003</b> , 94, 5672-5675	3-5	57
422	Spin wave-assisted reduction in switching field of highly coercive iron-platinum magnets. <i>Nature Communications</i> , <b>2013</b> , 4, 1726	17-4	56
421	Synthesis of single-phase L1-FeNi magnet powder by nitrogen insertion and topotactic extraction. <i>Scientific Reports</i> , <b>2017</b> , 7, 13216	4-9	54
420	Magnetization and Magnetoresistance of Fe/Gd Ferrimagnetic Multilayer Films. <i>Journal of the Physical Society of Japan</i> , <b>1992</b> , 61, 3721-3731	1-5	54
419	Formation of octahedral FePt nanoparticles by alternate deposition of FePt and MgO. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 063117	3-4	53
418	Structural and magnetic properties of Fe/noble metal monatomic multilayers equivalent to L10 ordered alloys. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1996</b> , 156, 7-10	2-8	50
417	Magnetization reversal by spin-transfer torque in 90° configuration with a perpendicular spin polarizer. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 172504	3-4	49
416	Evidence of Fermi level control in a half-metallic Heusler compound Co <sub>2</sub> MnSi by Al-doping: Comparison of measurements with first-principles calculations. <i>Physical Review B</i> , <b>2010</b> , 81,	3-3	48
415	Oscillatory perpendicular magnetic anisotropy and lattice plane spacing in Fe/Au superlattices. <i>Applied Physics Letters</i> , <b>1998</b> , 72, 737-739	3-4	48
414	Artificial Fabrication and Order Parameter Estimation of L10-ordered FeNi Thin Film Grown on a AuNi Buffer Layer. <i>Journal of the Magnetism Society of Japan</i> , <b>2011</b> , 35, 370-373	0-7	46
413	Evidence of local moment formation in Co-based Heusler alloys. <i>Physical Review B</i> , <b>2008</b> , 78,	3-3	46
412	Spin-dependent tunneling and Coulomb blockade in ferromagnetic nanoparticles. <i>Physics Reports</i> , <b>2007</b> , 451, 1-35	27-7	44
411	Tunnel magnetoresistance oscillations in current perpendicular to plane geometry of CoAlO granular thin films. <i>Journal of Applied Physics</i> , <b>2002</b> , 91, 7038	2-5	43
410	Coulomb staircase in STM current through granular films. <i>Physical Review B</i> , <b>2000</b> , 61, 46-49	3-3	42
409	Visualization of anomalous Ettingshausen effect in a ferromagnetic film: Direct evidence of different symmetry from spin Peltier effect. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 152403	3-4	41

408	Microscopic Magnetic Properties of Fe-V Metallic Superlattice Investigated from $^{51}\text{V}$ NMR. <i>Journal of the Physical Society of Japan</i> , <b>1984</b> , 53, 4315-4321	1.5	41
407	Relationship between Magnetoresistance and Lattice Uncertainty at the Interface in Sputtered Fe/Cr Multilayer Films. <i>Journal of the Physical Society of Japan</i> , <b>1992</b> , 61, 1169-1172	1.5	40
406	Influence of the buffer layers on magnetic properties of FePt (001) films sputter-deposited at reduced temperature. <i>Journal of Applied Physics</i> , <b>2004</b> , 96, 1127-1132	2.5	37
405	Novel Mn-doped chalcopyrites. <i>Journal of Physics and Chemistry of Solids</i> , <b>2003</b> , 64, 1461-1468	3.9	37
404	Spin-Orbit-Torque Memory Operation of Synthetic Antiferromagnets. <i>Physical Review Letters</i> , <b>2018</b> , 121, 167202	7.4	37
403	Structure, exchange stiffness, and magnetic anisotropy of $\text{Co}_2\text{MnAl}_x\text{Si}_{1-x}$ Heusler compounds. <i>Journal of Applied Physics</i> , <b>2009</b> , 106, 113907	2.5	36
402	Spin-dependent single-electron-tunneling effects in epitaxial Fe nanoparticles. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 3106-3108	3.4	36
401	Heusler alloys for spintronic devices: review on recent development and future perspectives. <i>Science and Technology of Advanced Materials</i> , <b>2021</b> , 22, 235-271	7.1	36
400	Observation of inverse spin Hall effect in ferromagnetic FePt alloys using spin Seebeck effect. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 092401	3.4	34
399	Large spin anomalous Hall effect in $\text{L}_{10}\text{FePt}$ : Symmetry and magnetization switching. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	33
398	High-power rf oscillation induced in half-metallic $\text{Co}_2\text{MnSi}$ layer by spin-transfer torque. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 052510	3.4	33
397	Giant tunnel magnetoresistance in codeposited fullerene-cobalt films in the low bias-voltage regime. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 242104	3.4	33
396	Dot size dependence of magnetic properties in microfabricated $\text{L}_{10}\text{-FePt}$ (001) and $\text{L}_{10}\text{-FePt}$ (110) dot arrays. <i>Journal of Applied Physics</i> , <b>2006</b> , 100, 043915	2.5	32
395	Perpendicular magnetization of $\text{L}_{10}$ -ordered FePt films in the thinnest limit. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 132507	3.4	32
394	Advanced experimental study on giant magnetoresistance of Fe/Cr superlattices by rf-sputtering. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1992</b> , 104-107, 1747-1748	2.8	32
393	Giant magnetoresistance of Fe-cluster-dispersed Ag films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1993</b> , 126, 485-488	2.8	32
392	Structural, magnetic and electronic state characterization of $\text{L}_{10}$ -type ordered FeNi alloy extracted from a natural meteorite. <i>Journal of Physics Condensed Matter</i> , <b>2014</b> , 26, 064206	1.8	31
391	Characterization of Cu buffer layers for growth of $\text{L}_{10}\text{-FeNi}$ thin films. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 09A716	2.5	31

- 390 Artificial modulation of magnetic structures on a monatomic layer scale in Co/Ru superlattices. *Applied Physics Letters*, **2001**, 78, 1436-1438 3.4 31
- 389 Fully epitaxial C1b-type NiMnSb half-Heusler alloy films for current-perpendicular-to-plane giant magnetoresistance devices with a Ag spacer. *Scientific Reports*, **2015**, 5, 18387 4.9 31
- 388 Voltage control of magnetic anisotropy in epitaxial Ru/CoFeAl/MgO heterostructures. *Scientific Reports*, **2017**, 7, 45026 4.9 30
- 387 Current-induced spin polarization on metal surfaces probed by spin-polarized positron beam. *Scientific Reports*, **2014**, 4, 4844 4.9 30
- 386 Oscillatory interlayer exchange coupling in epitaxial Co<sub>2</sub>MnSi/CrCo<sub>2</sub>MnSi trilayers. *Applied Physics Letters*, **2007**, 90, 142510 3.4 30
- 385 Development of antiferromagnetic Heusler alloys for the replacement of iridium as a critically raw material. *Journal Physics D: Applied Physics*, **2017**, 50, 443001 3 29
- 384 Origin of strong magnetic anisotropy in L10-FeNi probed by angular-dependent magnetic circular dichroism. *Journal of Magnetism and Magnetic Materials*, **2013**, 326, 235-239 2.8 29
- 383 Spin Hall effect and Nernst effect in FePt/Au multi-terminal devices with different Au thicknesses. *Solid State Communications*, **2010**, 150, 496-499 1.6 29
- 382 Anisotropic magnetization-induced second harmonic generation in Fe/Au superlattices. *Physical Review B*, **2001**, 64, 3.3 28
- 381 Anomalous behavior of temperature and bias-voltage dependence of tunnel-type giant magnetoresistance in insulating granular systems. *Journal of Applied Physics*, **1998**, 83, 6524-6526 2.5 27
- 380 Magnetic tunnel junctions with L10-ordered FePt alloy electrodes. *Journal of Applied Physics*, **2004**, 95, 6789-6791 2.5 27
- 379 Magneto-optical spectra of Fe/Au artificial superlattices modulated by integer and noninteger atomic layers. *Journal of Applied Physics*, **1999**, 86, 4985-4996 2.5 27
- 378 High power all-metal spin torque oscillator using full Heusler Co<sub>2</sub>(Fe,Mn)Si. *Applied Physics Letters*, **2014**, 105, 092406 3.4 26
- 377 Fe/MgO/FeCo(100) epitaxial magnetic tunnel junctions prepared by using in situ plasma oxidation. *Journal of Applied Physics*, **2003**, 93, 8041-8043 2.5 26
- 376 High coercivity and magnetic domain observation in epitaxially grown particulate FePt thin films. *Journal of Magnetism and Magnetic Materials*, **2003**, 266, 171-177 2.8 26
- 375 NMR Studies of VO<sub>2</sub> and V<sub>1-x</sub>W<sub>x</sub>O<sub>2</sub>. *Journal of the Physical Society of Japan*, **1983**, 52, 3953-3959 1.5 26
- 374 Nucleation-type magnetization behavior in FePt (001) particulate films. *Journal of Applied Physics*, **2006**, 99, 033516 2.5 25
- 373 Mechanical properties and microstructures of high-chromium VCrTi type alloys. *Journal of Nuclear Materials*, **2004**, 329-333, 457-461 3.3 25

372	Current perpendicular to film plane type giant magnetoresistance effect using a AgMg spacer and Co <sub>2</sub> Fe <sub>0.4</sub> Mn <sub>0.6</sub> Si Heusler alloy electrodes. <i>Applied Physics Express</i> , <b>2015</b> , 8, 063008	2.4	24
371	Relationship between anomalous Ettingshausen effect and anomalous Nernst effect in an FePt thin film. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 254001	3	24
370	Magnetization damping of an L10-FeNi thin film with perpendicular magnetic anisotropy. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 242409	3.4	24
369	Enhancement in tunnel magnetoresistance effect by inserting CoFeB to the tunneling barrier interface in Co <sub>2</sub> MnSi/MgO/CoFe magnetic tunnel junctions. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 252503	3.4	24
368	Nucleation-type magnetization reversal by spin-polarized current in perpendicularly magnetized FePt layers. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	24
367	MFM observation of perpendicular magnetization and antiferromagnetically coupled domains in Co/Ru superlattices. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 240, 539-542	2.8	24
366	Fabrication of L10 ordered FePt alloy films by monatomic layer sputter deposition. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 7238-7240	2.5	24
365	Giant magnetoresistance in sputtered Cr-Fe heterogeneous alloy films. <i>Journal of Applied Physics</i> , <b>1994</b> , 76, 6790-6792	2.5	24
364	L10-ordered FeNi film grown on Cu-Ni binary buffer layer. <i>Journal of Physics: Conference Series</i> , <b>2011</b> , 266, 012119	0.3	23
363	Size dependence of the magnetization reversal process in microfabricated L10-FePt nano dots. <i>Journal Physics D: Applied Physics</i> , <b>2011</b> , 44, 335001	3	23
362	Chemical ordering dependence of interlayer exchange coupling in Co-Mn-Si/Cr/Co-Mn-Si trilayer structures. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	22
361	Giant Peltier Effect in a Submicron-Sized CuNi/Au Junction with Nanometer-Scale Phase Separation. <i>Applied Physics Express</i> , <b>2010</b> , 3, 065204	2.4	22
360	Ferrimagnetism in epitaxially grown Mn <sub>2</sub> VAl Heusler alloy investigated by means of soft x-ray magnetic circular dichroism. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 222503	3.4	22
359	Indirect exchange coupling through nonmagnetic metal spacers in Co/X/Gd multilayers (X = Cu and Y). <i>Journal of Magnetism and Magnetic Materials</i> , <b>1993</b> , 126, 242-244	2.8	22
358	<sup>59</sup> Co NMR Observation for Compound Formation at Interface of Co-Sb Multilayered Film. <i>Journal of the Physical Society of Japan</i> , <b>1984</b> , 53, 2445-2448	1.5	22
357	Analysis of atomic configuration near the interface in the vacuum-deposited Fe-V system. <i>Journal of Physics F: Metal Physics</i> , <b>1985</b> , 15, 835-850		22
356	Dependence of anomalous Nernst effect on crystal orientation in highly ordered $\bar{c}$ -Fe <sub>4</sub> N films with anti-perovskite structure. <i>Applied Physics Express</i> , <b>2017</b> , 10, 073005	2.4	20
355	Fabrication and characterization of L10-ordered FeNi thin films. <i>Journal Physics D: Applied Physics</i> , <b>2017</b> , 50, 483002	3	20



- 354 High-pressure torsion for production of magnetoresistance in Cu<sub>100</sub> alloy. *Journal of Materials Science*, **2008**, 43, 7349-7353 4.3 20
- 353 Improvement of hard magnetic properties in microfabricated L1/sub 0/-FePt dot arrays upon post-annealing. *IEEE Transactions on Magnetism*, **2005**, 41, 3604-3606 2 20
- 352 Fabrication of perpendicularly magnetized magnetic tunnel junctions with L10-CoPt/Co<sub>2</sub>MnSi hybrid electrode. *Journal of Applied Physics*, **2010**, 107, 09C714 2.5 19
- 351 Creation and Control of Spin Current in Solids. *Japanese Journal of Applied Physics*, **2010**, 49, 110001 1.4 19
- 350 Size distribution of precipitated Ni clusters on the surface of an alkaline-treated LaNi<sub>5</sub>-based alloy. *Acta Materialia*, **2007**, 55, 481-485 8.4 19
- 349 Fabrication and characterization of L1/sub 0/-ordered FePt/AlO/FeCo magnetic tunnel junctions. *IEEE Transactions on Magnetism*, **2005**, 41, 2606-2608 2 19
- 348 Interlayer exchange coupling in fine-layered Fe/Au superlattices. *Physical Review B*, **2001**, 63, 3.3 19
- 347 Magnetoresistance and phase decomposition in Cr-Fe bulk alloys. *Journal of Applied Physics*, **1995**, 77, 5843-5849 2.5 19
- 346 Anomalous low-angle X-ray diffraction in sputter-deposited Fe/Cr multilayers and its relation to the giant magnetoresistance. *Journal of Magnetism and Magnetic Materials*, **1992**, 104-107, 1753-1754 2.8 19
- 345 Influence of thickness-dependent structural evolution on ultrafast magnetization dynamics in Co<sub>2</sub>Fe<sub>0.4</sub>Mn<sub>0.6</sub>Si Heusler alloy thin films. *Physical Review B*, **2016**, 94, 3.3 19
- 344 Magnetic anisotropy of L10-ordered FePt thin films studied by Fe and Pt L<sub>2,3</sub>-edges x-ray magnetic circular dichroism. *Applied Physics Letters*, **2017**, 111, 142402 3.4 18
- 343 Magnetic domain observation of FeCo thin films fabricated by alternate monoatomic layer deposition. *Journal of Applied Physics*, **2014**, 115, 043908 2.5 18
- 342 Spin pumping efficiency from half metallic Co<sub>2</sub>MnSi. *Journal of Applied Physics*, **2011**, 109, 073915 2.5 18
- 341 Magnetic Anisotropy and Chemical Order of Artificially Synthesized L1<sub>0</sub>-Ordered FeNi Films on Au<sub>100</sub>Ni Buffer Layers. *Japanese Journal of Applied Physics*, **2012**, 51, 010204 1.4 18
- 340 Giant magnetoresistance in insulating granular films and planar tunneling junctions. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1999**, 267, 184-192 5.3 18
- 339 Zero-field spin torque oscillation in Co<sub>2</sub>(Fe, Mn)Si with a point contact geometry. *Applied Physics Letters*, **2015**, 106, 092406 3.4 17
- 338 Element-selectively tracking ultrafast demagnetization process in Co/Pt multilayer thin films by the resonant magneto-optical Kerr effect. *Applied Physics Letters*, **2020**, 116, 172406 3.4 17
- 337 Nonlinear electric field effect on perpendicular magnetic anisotropy in Fe/MgO interfaces. *Journal Physics D: Applied Physics*, **2017**, 50, 40LT04 3 17



336	Role of the Cr Buffer Layer in the Thickness-Dependent Ultrafast Magnetization Dynamics of Co <sub>2</sub> Fe <sub>0.4</sub> Mn <sub>0.6</sub> Si Heusler Alloy Thin Films. <i>Physical Review Applied</i> , <b>2017</b> , 7,	4.3	17
335	Enhanced magnetoresistance due to charging effects in a molecular nanocomposite spin device. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	17
334	Temperature dependence of spin-dependent transport properties of Co <sub>2</sub> MnSi-based current-perpendicular-to-plane magnetoresistive devices. <i>Journal Physics D: Applied Physics</i> , <b>2011</b> , 44, 064009	3	17
333	Magnetic properties of L10-FePt/permalloy exchange-spring films. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 103911	2.5	17
332	Magnetoresistance of magnetic multilayers at high pressure. <i>Physica B: Condensed Matter</i> , <b>1997</b> , 239, 19-28	2.8	17
331	Magneto-optical Kerr effect in Fe/Au superlattices modulated by integer atomic layers. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1998</b> , 177-181, 1199-1200	2.8	17
330	Giant magnetoresistance and microstructure in Cr <sub>2</sub> Fe and Cu <sub>2</sub> Co heterogeneous alloys. <i>Thin Solid Films</i> , <b>1996</b> , 275, 106-110	2.2	17
329	Magnetoresistance effect in Fe <sub>20</sub> Ni <sub>80</sub> /graphene/Fe <sub>20</sub> Ni <sub>80</sub> vertical spin valves. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 082406	3.4	17
328	Current-induced spin polarization on a Pt surface: A new approach using spin-polarized positron annihilation spectroscopy. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2013</b> , 342, 139-143	2.8	16
327	Study of ferro-antiferromagnetic transition in [001]-oriented L10 FePt <sub>1-x</sub> Rh <sub>x</sub> film. <i>Journal of Applied Physics</i> , <b>2009</b> , 106, 103928	2.5	16
326	Perpendicular magnetic anisotropy and magneto-optical Kerr effect of FePt/Pt multilayer films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1992</b> , 113, 110-114	2.8	16
325	Spin-Hall and anisotropic magnetoresistance in ferrimagnetic Co-Gd/Pt layers. <i>Physical Review Materials</i> , <b>2018</b> , 2,	3.2	16
324	Spin-mediated charge-to-heat current conversion phenomena in ferromagnetic binary alloys. <i>Physical Review Materials</i> , <b>2020</b> , 4,	3.2	16
323	Ferromagnetic Co <sub>3</sub> Sn <sub>2</sub> S <sub>2</sub> thin films fabricated by co-sputtering. <i>Japanese Journal of Applied Physics</i> , <b>2019</b> , 58, 050912	1.4	15
322	Perpendicular Magnetic Anisotropy of Co <sub>2</sub> Fe <sub>x</sub> Mn <sub>1-x</sub> Si Heusler Alloy Ultra-Thin Films. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	15
321	Linewidth broadening of optical precession mode in synthetic antiferromagnet. <i>Applied Physics Express</i> , <b>2014</b> , 7, 063010	2.4	15
320	Addition of Co to L10-ordered FeNi films: influences on magnetic properties and ordered structures. <i>Journal Physics D: Applied Physics</i> , <b>2014</b> , 47, 425001	3	15
319	High power radio frequency oscillation by spin transfer torque in a Co <sub>2</sub> MnSi layer: Experiment and macrospin simulation. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 033907	2.5	15

318	Fabrication of highly L10-ordered FePt thin films by low-temperature rapid thermal annealing. <i>APL Materials</i> , <b>2013</b> , 1, 032117	5.7	15
317	Tunnel magnetoresistance in epitaxially grown magnetic tunnel junctions using Heusler alloy electrode and MgO barrier. <i>Journal Physics D: Applied Physics</i> , <b>2009</b> , 42, 195004	3	15
316	Magnetization reversal process in microfabricated L10-FePt dots. <i>Journal Physics D: Applied Physics</i> , <b>2008</b> , 41, 195008	3	15
315	Magnetization switching in nanopillars with FePt alloys by spin-polarized current. <i>Journal of Applied Physics</i> , <b>2006</b> , 99, 08G521	2.5	15
314	Pressure-induced enhancement of giant magnetoresistance due to crossover of interlayer exchange coupling in Fe/Cr multilayers. <i>Physical Review Letters</i> , <b>2007</b> , 98, 207202	7.4	15
313	Influence of Cr, Ti concentrations on oxidation and corrosion resistance of VCrTi type alloys. <i>Journal of Nuclear Materials</i> , <b>2004</b> , 329-333, 452-456	3.3	15
312	Current perpendicular-to-plane giant magnetoresistance using an L12 Ag <sub>3</sub> Mg spacer and Co <sub>2</sub> Fe <sub>0.4</sub> Mn <sub>0.6</sub> Si Heusler alloy electrodes: Spacer thickness and annealing temperature dependence. <i>Physical Review Materials</i> , <b>2017</b> , 1,	3.2	15
311	Ultrafast demagnetization of Pt magnetic moment in L10-FePt probed by magnetic circular dichroism at a hard x-ray free electron laser. <i>New Journal of Physics</i> , <b>2019</b> , 21, 123010	2.9	15
310	Current perpendicular-to-plane giant magnetoresistance devices using half-metallic Co <sub>2</sub> Fe <sub>0.4</sub> Mn <sub>0.6</sub> Si electrodes and a Ag <sub>3</sub> Mg spacer. <i>Journal Physics D: Applied Physics</i> , <b>2017</b> , 50, 014004	3	14
309	Anomalous Ettingshausen effect in ferrimagnetic Co <sub>2</sub> D. <i>Applied Physics Express</i> , <b>2019</b> , 12, 023006	2.4	14
308	Vortex spin-torque oscillator using Co <sub>2</sub> FexMn <sub>1-x</sub> Si Heusler alloys. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	14
307	Superferromagnetism in dipolarly coupled L10 FePt nanodots with perpendicular magnetization. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 152410	3.4	14
306	Current-induced tunnel magnetoresistance due to spin accumulation in Au nanoparticles. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 152509	3.4	14
305	Scanning tunneling microscopy investigation of single electron tunneling in Co <sub>2</sub> Al <sub>10</sub> and Cu <sub>2</sub> Al <sub>10</sub> granular films. <i>Journal of Applied Physics</i> , <b>2000</b> , 87, 6331-6333	2.5	14
304	Magnetic polarization of interfacial Pt in FePt/Pt multilayers witnessed by magneto-optical spectra. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1995</b> , 148, 206-208	2.8	14
303	Study of giant magnetoresistance behavior in sputter-deposited Cr <sub>2</sub> Fe alloy films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1996</b> , 159, 95-102	2.8	14
302	Effect of Pressure on the Giant Magnetoresistance of Fe/Cr Magnetic Superlattices. <i>Journal of the Physical Society of Japan</i> , <b>1993</b> , 62, 427-430	1.5	14
301	Antiferromagnetic Exchange Coupling and Magnetoresistance of Fe/Cr Multilayers: Influence of Third Elements in Cr Layers. <i>Journal of the Physical Society of Japan</i> , <b>1992</b> , 61, 4148-4154	1.5	14

300	NMR Study of Bismuth-Substituted Yttrium Iron Garnets. <i>Journal of the Physical Society of Japan</i> , <b>1986</b> , 55, 731-734	1.5	14
299	Structural-order dependence of anomalous Hall effect in Co <sub>2</sub> MnGa topological semimetal thin films. <i>Applied Physics Letters</i> , <b>2019</b> , 115, 252401	3.4	14
298	Capturing ultrafast magnetic dynamics by time-resolved soft x-ray magnetic circular dichroism. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 162401	3.4	13
297	Spin torque-induced magnetization dynamics in giant magnetoresistance devices with Heusler alloy layers. <i>Journal Physics D: Applied Physics</i> , <b>2015</b> , 48, 164010	3	13
296	CPP-GMR study of half-metallic full-Heusler compound Co <sub>2</sub> (Fe,Mn)Si. <i>Journal of the Magnetism Society of Japan</i> , <b>2014</b> , 38, 45-49	0.7	13
295	Nuclear magnetic resonance reveals structural evolution upon annealing in epitaxial Co <sub>2</sub> MnSi Heusler films. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 242404	3.4	13
294	Voltage-induced coercivity change in FePt/MgO stacks with different FePt thicknesses. <i>Journal Physics D: Applied Physics</i> , <b>2013</b> , 46, 285002	3	13
293	Exchange magnetostriction in TbFe/FeCuNbSiB multilayers. <i>Sensors and Actuators A: Physical</i> , <b>2001</b> , 91, 210-213	3.9	13
292	Anomalous Pressure Dependence of the Giant Magnetoresistance for Co/Cu Magnetic Multilayers. <i>Journal of the Physical Society of Japan</i> , <b>1998</b> , 67, 3349-3352	1.5	13
291	Magneto-optical Characterization of Clb-Type Heusler Compounds, Pt <sub>1-x</sub> /2Mn <sub>1+x</sub> Sb <sub>1-x</sub> /2 (x=-0.1 and 0, 0.1). <i>Japanese Journal of Applied Physics</i> , <b>1991</b> , 30, 52-57	1.4	13
290	Mössbauer and NMR studies of iron-carbon martensite. <i>Hyperfine Interactions</i> , <b>1986</b> , 28, 1071-1074	0.8	13
289	Electronic structure and magnetic anisotropy of L10-FePt thin film studied by hard x-ray photoemission spectroscopy and first-principles calculations. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 042404	3.4	13
288	Temperature dependence of the interface moments in Co <sub>2</sub> MnSi thin films. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 192503	3.4	12
287	Morphology and domain pattern of epitaxially grown L10 FePt elongated particles. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 319, 73-79	2.8	12
286	Spin accumulation in metallic nanoparticles. <i>Journal of Physics Condensed Matter</i> , <b>2007</b> , 19, 165214	1.8	12
285	Electrical Transport and Optical Properties of Hydrogen-Deficient YH <sub>2</sub> Films. <i>Japanese Journal of Applied Physics</i> , <b>2004</b> , 43, 681-687	1.4	12
284	Fabrication of in-plane magnetized FePt sputtered films with large uniaxial anisotropy. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 272-276, 2182-2183	2.8	12
283	A new technique for study of local atomic environment in artificially grown magnetic thin film. <i>Scripta Materialia</i> , <b>2003</b> , 48, 975-979	5.6	12

- 282 Asymmetric initial magnetization process of elongated particles in nucleation-type L10 FePt films. *Journal of Magnetism and Magnetic Materials*, **2007**, 315, 126-131 2.8 11
- 281 Numerical simulation of magnetization process in epitaxial Co<sub>2</sub>MnSi/Cr/Co<sub>2</sub>MnSi trilayers with oscillatory interlayer coupling. *Journal of Applied Physics*, **2007**, 101, 09J510 2.5 11
- 280 Fabrication of L10 ordered FePt thin films with a canted easy magnetization axis on MgO (1 1 0) substrate. *Journal of Magnetism and Magnetic Materials*, **2004**, 272-276, E557-E559 2.8 11
- 279 Perpendicular magnetic anisotropy and domain structure of L1/sub 0/-ordered FePt films fabricated by monatomic layer control. *IEEE Transactions on Magnetics*, **2002**, 38, 2791-2793 2 11
- 278 Influence of third elements on the anisotropic magnetoresistance in permalloy films. *Journal of Magnetism and Magnetic Materials*, **2000**, 212, 53-58 2.8 11
- 277 Giant magnetoresistance of Fe/Cr superlattices under high pressure. *Journal of Magnetism and Magnetic Materials*, **1993**, 126, 513-515 2.8 11
- 276 Nuclear relaxation studies of metallic states in vanadium oxides. *Journal of Magnetism and Magnetic Materials*, **1983**, 31-34, 347-348 2.8 11
- 275 Observation of 51V NMR in Multilayered Fe/V Film with Artificial Superstructure. *Journal of the Physical Society of Japan*, **1982**, 51, 3743-3744 1.5 11
- 274 Magneto-Optical Spectra in Fe(xML)/Au(xML) Artificially Ordered Superlattices.. *Journal of the Magnetics Society of Japan*, **1996**, 20, 197-200 11
- 273 Bias Voltage Dependence of GMR in Insulating Granular Thin Films. *Journal of the Magnetics Society of Japan*, **1998**, 22, 577-580 11
- 272 Magnetic Anisotropy and Chemical Order of Artificially Synthesized L10-Ordered FeNi Films on Au/Cu/Ni Buffer Layers. *Japanese Journal of Applied Physics*, **2012**, 51, 010204 1.4 11
- 271 Large spin-Hall effect in non-equilibrium binary copper alloys beyond the solubility limit. *Communications Materials*, **2020**, 1, 6 11
- 270 Growth of L10FeNi thin films on Cu(001) single crystal substrates using oxygen and gold surfactants. *Thin Solid Films*, **2016**, 603, 348-352 2.2 11
- 269 Anomaly in anomalous Nernst effect at low temperature for C1b-type NiMnSb half-Heusler alloy thin film. *Japanese Journal of Applied Physics*, **2019**, 58, SBBI03 1.4 10
- 268 Structural and magnetic properties of FeNi thin films fabricated on amorphous substrates. *Journal of Applied Physics*, **2015**, 117, 17E309 2.5 10
- 267 Direct imaging of atomic clusters in an amorphous matrix: A Co-C granular thin film. *Applied Physics Letters*, **2012**, 101, 191902 3.4 10
- 266 Magnetic characterization of thin Co<sub>50</sub>Fe<sub>50</sub>films by magnetooptic Kerr effect. *Journal Physics D: Applied Physics*, **2012**, 45, 495002 3 10
- 265 Composition dependence of magnetic and magnetotransport properties in Co<sub>60</sub>Fe<sub>40</sub> granular thin films. *Journal of Applied Physics*, **2010**, 108, 063920 2.5 10

264	Thermal artifact on the spin Seebeck effect in metallic thin films deposited on MgO substrates. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 07B106	2.5	10
263	Biquadratic Exchange Coupling in Epitaxial Co <sub>2</sub> /MnSi/Cr/Fe Trilayers. <i>IEEE Transactions on Magnetics</i> , <b>2008</b> , 44, 2620-2623	2	10
262	Microstructure and Magnetic Properties for Highly Coercive FePt Sputtered Films. <i>Materials Transactions</i> , <b>2003</b> , 44, 1508-1513	1.3	10
261	Optimum compositions for the low-temperature fabrication of highly ordered FePt [001] and FePt [110] films. <i>IEEE Transactions on Magnetics</i> , <b>2004</b> , 40, 2522-2524	2	10
260	Mechanism of magnetization process of island-like L10 FePt films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2005</b> , 287, 219-223	2.8	10
259	Study on spin dependent tunneling and Coulomb blockade in granular systems with restricted tunneling paths. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2001</b> , 84, 120-125	3.1	10
258	Preferred site occupation of 3d atoms in NixFe <sub>4-x</sub> N (x=1 and 3) films revealed by x-ray absorption spectroscopy and magnetic circular dichroism. <i>Physical Review Materials</i> , <b>2018</b> , 2,	3.2	10
257	Magnetic vortex in epitaxially-grown Co <sub>2</sub> (Fe,Mn)Si alloy. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 152402	3.4	10
256	Enhanced current-perpendicular-to-plane giant magnetoresistance effect in half-metallic NiMnSb based nanojunctions with multiple Ag spacers. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 232406	3.4	10
255	Enhancement of the anomalous Nernst effect in Ni/Pt superlattices. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	10
254	Dual-spacer nanojunctions exhibiting large current-perpendicular-to-plane giant magnetoresistance for ultrahigh density magnetic recording. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 102401	3.4	9
253	Transport properties of epitaxial films for superconductor NbN and half-metallic Heusler alloy Co <sub>2</sub> MnSi under high magnetic fields. <i>Physica B: Condensed Matter</i> , <b>2018</b> , 536, 310-313	2.8	9
252	Significant surface flattening effect by Au addition for Cu growth on Cu <sub>3</sub> Au(001). <i>Surface Science</i> , <b>2014</b> , 619, 44-48	1.8	9
251	Ion-irradiation enhancement of materials degradation in Fe/Cr single crystals detected by magnetic technique. <i>Journal of Nuclear Materials</i> , <b>2013</b> , 442, S861-S864	3.3	9
250	Determination of local magnetic moment in L10-FeNi using photoelectron emission microscopy (PEEM). <i>Journal of Physics: Conference Series</i> , <b>2011</b> , 266, 012095	0.3	9
249	Co-concentration dependence of half-metallic properties in Co <sub>1-x</sub> Ni <sub>x</sub> Si epitaxial films. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 092511	3.4	9
248	Phenomenological analysis of magnetization reversal process for L10-FePt(001) particulate films. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 07A702	2.5	9
247	Observation of magnetic moments at the interface region in magnetic tunnel junctions using depth-resolved x-ray magnetic circular dichroism. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	9

246	Influence of Fe Impurity on Spin Hall Effect in Au. <i>IEEE Transactions on Magnetism</i> , <b>2010</b> , 46, 2559-2561	2	9
245	Specific heat of amorphous CexRu100-x alloys. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 310, 416-418	2.8	9
244	Preparation and magnetotransport properties of MgO-barrier-based magnetic double tunnel junctions including nonmagnetic nanoparticles. <i>Journal Physics D: Applied Physics</i> , <b>2007</b> , 40, 1242-1246	3	9
243	Magnetic and Magnetotransport Properties in Nanogranular Co/C60-Co Film with High Magnetoresistance. <i>Materials Transactions</i> , <b>2007</b> , 48, 754-758	1.3	9
242	Current-perpendicular-to-plane magnetoresistance in Co/Gd multilayers with twisted spin structure. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 240, 183-185	2.8	9
241	Spin Density Wave in Epitaxial Cr(001)/Sn and Cr(001)/Au Multilayers with Nonmagnetic Spacer Layers. <i>Journal of the Physical Society of Japan</i> , <b>2000</b> , 69, 1590-1593	1.5	9
240	High-temperature dependence of anomalous Ettingshausen effect in SmCo5-type permanent magnets. <i>Applied Physics Letters</i> , <b>2020</b> , 117, 082408	3.4	9
239	Exchange bias effects in Heusler alloy Ni2MnAl/Fe bilayers. <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 235001	3	9
238	Local structure and magnetism of L10-type FeNi alloy films with perpendicular magnetic anisotropy studied through 57Fe nuclear probes. <i>Journal Physics D: Applied Physics</i> , <b>2015</b> , 48, 205002	3	8
237	Characteristic field angular dependence of magnetization switching assisted by spin wave excitation. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 122403	3.4	8
236	Magnetic Anisotropy and Damping for Monolayer-Controlled Co   Ni Epitaxial Multilayer. <i>Journal of the Physical Society of Japan</i> , <b>2017</b> , 86, 074710	1.5	8
235	Effect of cotunneling and spin polarization on the large tunneling magnetoresistance effect in granular C60-Co films. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	8
234	Interlayer thickness dependence of 90° exchange coupling in Co2MnAl/Cr/Co2MnAl epitaxial trilayer structures. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 07C710	2.5	8
233	Strong Temperature Dependence of Magnetoresistance in Co-C Granular Thin Films. <i>IEEE Transactions on Magnetism</i> , <b>2010</b> , 46, 2144-2147	2	8
232	Dot Size Dependence of Magnetization Reversal Process in $\text{L}_{10}$ -FePt Dot Arrays. <i>IEEE Transactions on Magnetism</i> , <b>2008</b> , 44, 3464-3467	2	8
231	Pressure dependence of magnetoresistance for Fe/Cr multilayers. <i>IEEE Transactions on Magnetism</i> , <b>2006</b> , 42, 1499-1502	2	8
230	Domain wall resistance in FePt wire with perpendicular magnetic anisotropy. <i>Journal of Applied Physics</i> , <b>2006</b> , 99, 08G520	2.5	8
229	Anomalous magnetization processes and non-symmetrical domain wall displacements in L10 FePt particulate films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2006</b> , 303, 14-19	2.8	8



228	Reconstruction of atomic images from multiple-energy x-ray holograms of FePt films by the scattering pattern matrix method. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 234104	3.4	8
227	Self-alignment of Fe nanoparticles on a tunnel barrier. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 033115	3.4	8
226	Tunnel magnetoresistance oscillations associated with Coulomb staircases in insulating granular systems. <i>Journal Physics D: Applied Physics</i> , <b>2002</b> , 35, 2422-2426	3	8
225	Annealing effect of tunnel-type GMR in Co <sub>40</sub> Fe <sub>60</sub> granular thin films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1999</b> , 198-199, 21-23	2.8	8
224	Anomalous behavior of magnetization for PtMnSb/CuMnSb multilayer films. <i>Journal of Applied Physics</i> , <b>1990</b> , 67, 393-397	2.5	8
223	Perpendicular magnetic anisotropy and magneto-optical kerr effect of FePt/Pt multilayer films.. <i>Journal of the Magnetics Society of Japan</i> , <b>1991</b> , 15, 415-418		8
222	Interface Magnetism in Fe/Mn Artificial Metallic Superlattice Investigated by <sup>55</sup> Mn NMR. <i>Journal of the Physical Society of Japan</i> , <b>1986</b> , 55, 2357-2363	1.5	8
221	Interface Magnetic Anisotropy of Pd/Co <sub>2</sub> Fe <sub>x</sub> Mn <sub>1-x</sub> /Si/MgO Layered Structures. <i>Materials Transactions</i> , <b>2016</b> , 57, 773-776	1.3	8
220	Interlayer exchange coupling and spin Hall effect through an Ir-doped Cu nonmagnetic layer. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	7
219	Resonant switching for an in-plane magnetized L10-FePt   Ni <sub>81</sub> Fe <sub>19</sub> bilayer under spin wave excitation. <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 075002	3	7
218	Current-perpendicular-to-plane giant magnetoresistance effects using Heusler alloys. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2019</b> , 492, 165667	2.8	7
217	Perpendicularly magnetized Cu <sub>2</sub> Sb type (Mn-Cr)AlGe films onto amorphous SiO <sub>2</sub> . <i>Applied Physics Express</i> , <b>2019</b> , 12, 103002	2.4	7
216	Nanoscale characterization of FeNi alloys processed by high-pressure torsion using photoelectron emission microscope. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 143905	2.5	7
215	Ferromagnetic resonance of epitaxial Fe nanodots grown on MgO measured using coplanar waveguides. <i>Journal Physics D: Applied Physics</i> , <b>2011</b> , 44, 064007	3	7
214	Coherent Layered Structures in Fe/Au Monatomic Multilayers with Addition of Fractional Atomic Layers. <i>Japanese Journal of Applied Physics</i> , <b>1997</b> , 36, L1045-L1047	1.4	7
213	Magnetization process of lotus-type porous metals. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 093539	2.5	7
212	Epitaxial growth of L10-FePt/MgO/L10-FePt (0 0 1) trilayer structures. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 310, 1905-1907	2.8	7
211	Magnetic properties of MnP nanowhiskers grown by MBE. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2008</b> , 40, 2037-2039	3	7



210	Interlayer coupling in epitaxial Co <sub>2</sub> MnSi/X/Co <sub>2</sub> MnSi (X=Cr and V) trilayer structures. <i>Journal of Physics: Conference Series</i> , <b>2007</b> , 83, 012013	0.3	7
209	NOVEL SPINTRONIC MATERIALS BASED ON FERROMAGNETIC SEMICONDUCTOR CHALCOPYRITES. <i>International Journal of Nanoscience</i> , <b>2004</b> , 03, 39-50	0.6	7
208	Pressure enhanced tunnel magnetoresistance in Co-Al-O granular films. <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	7
207	Nonlinear magneto-optical effect in Fe/Au superlattices modulated by noninteger atomic layers. <i>Journal of Applied Physics</i> , <b>2000</b> , 87, 6785-6787	2.5	7
206	Giant magnetoresistance of Co/Cu superlattice under high pressure. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1995</b> , 140-144, 583-584	2.8	7
205	Brillouin scattering from spin waves in Fe/Cr multilayer films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1993</b> , 126, 333-336	2.8	7
204	NMR investigations for new-type alloy formation at the interface in artificial superstructure film. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1986</b> , 54-57, 783-784	2.8	7
203	Parameter-free determination of the exchange constant in thin films using magnonic patterning. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 102402	3.4	7
202	Spin-charge conversion in NiMnSb Heusler alloy films. <i>Science Advances</i> , <b>2019</b> , 5, eaaw9337	14.3	7
201	High spin mixing conductance and spin interface transparency at the interface of a Co <sub>2</sub> Fe <sub>0.4</sub> Mn <sub>0.6</sub> Si Heusler alloy and Pt. <i>NPG Asia Materials</i> , <b>2021</b> , 13,	10.3	7
200	Fabrication of L10-FeNi by pulsed-laser deposition. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 072404	3.4	6
199	Perpendicular magnetic anisotropy of (001)-textured poly-crystalline MnAlGe films. <i>AIP Advances</i> , <b>2020</b> , 10, 015122	1.5	6
198	Epitaxial contact Andreev reflection spectroscopy of NbN/Co <sub>2</sub> FeSi layered devices. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 072402	3.4	6
197	Tunability of Domain Structure and Magnonic Spectra in Antidot Arrays of Heusler Alloy. <i>Physical Review Applied</i> , <b>2019</b> , 12,	4.3	6
196	Synthesis and Characterization of L10-FeNi Powders. <i>Journal of the Magnetism Society of Japan</i> , <b>2013</b> , 37, 198-201	0.7	6
195	Magnetization Reversal Process of Hard/Soft Nano-Composite Structures Formed by Ion Irradiation. <i>IEEE Transactions on Magnetics</i> , <b>2010</b> , 46, 2132-2135	2	6
194	High Remanent Magnetization of L10-Ordered FePt Thin Film on MgO/(001) GaAs. <i>Japanese Journal of Applied Physics</i> , <b>2008</b> , 47, 3269-3271	1.4	6
193	Self-assembled metallic nanoparticles for spin dependent single electron tunneling. <i>Phase Transitions</i> , <b>2006</b> , 79, 717-726	1.3	6

192	Domain structure movement in L10 FePt islands observed by in situ MFM. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 272-276, E819-E821	2.8	6
191	Exchange-coupled magnetostrictive behavior in TbFe/Fe multilayer films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 239, 573-575	2.8	6
190	Preparation of nanometer-scale iron dots on insulating layer. <i>Science and Technology of Advanced Materials</i> , <b>2003</b> , 4, 383-389	7.1	6
189	Light scattering study of glass forming liquid: Propylene glycol. <i>Physica B: Condensed Matter</i> , <b>1996</b> , 219-220, 273-275	2.8	6
188	An NMR and Mössbauer study of iron-carbon martensite. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1986</b> , 54-57, 943-944	2.8	6
187	Spinflop behavior and magnetoresistance for the Fe/Gd double structured multilayer films.. <i>Journal of the Magnetism Society of Japan</i> , <b>1990</b> , 14, 355-358		6
186	Spin wave modes in fine layered structures of Fe and Au. <i>Journal of the Magnetism Society of Japan</i> , <b>1999</b> , 23, 161-163		6
185	Vortex-dynamics-mediated low-field magnetization switching in an exchange-coupled system. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	6
184	Enhancement of electric field modulation of coercivity in Pt /Co/Al-O structures by tuning Co surface oxidation. <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 03LT01	3	6
183	Resonant magnetization switching conditions of an exchange-coupled bilayer under spin wave excitation. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 082401	3.4	5
182	Spinmotive force in the out-of-plane direction generated by spin wave excitations in an exchange-coupled bilayer element. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	5
181	Ultrafast demagnetization mechanism in half-metallic Heusler alloy thin films controlled by the Fermi level. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	5
180	Fabrication of L10-FeNi phase by sputtering with rapid thermal annealing. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 750, 164-170	5.7	5
179	Mn2VAl Heusler alloy thin films: appearance of antiferromagnetism and exchange bias in a layered structure with Fe. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 065001	3	5
178	Fabrication of Fully-Epitaxial Co <sub>2</sub> MnSi/Ag/Co <sub>2</sub> MnSi Giant Magnetoresistive Devices by Elevated Temperature Deposition. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 5464-5468	2	5
177	Detection of spin-resolved electronic structures from a buried ferromagnetic layer utilizing forward Mott scattering. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 132402	3.4	5
176	Evidence of a heavy fermion state in the disordered Ce-alloy system without translation symmetry. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	5
175	MgO Layer Thickness Dependence of Structure and Magnetic Properties of $\text{L1}_{00}$ -FePt/MgO/GaAs Structures. <i>Japanese Journal of Applied Physics</i> , <b>2012</b> , 51, 02BM05	1.4	5

174	Effects of Room Temperature Heavy-Ion Irradiation on Magnetic and Electrical Properties of a Single Crystalline Iron Thin Film. <i>Materials Transactions</i> , <b>2009</b> , 50, 2134-2138	1.3	5
173	Interlayer Exchange Coupling in Full Heusler $\text{Co}_2\text{FeSi/Cr/Co}_2\text{FeSi}$ Epitaxial Trilayer Structures. <i>IEEE Transactions on Magnetics</i> , <b>2010</b> , 46, 2052-2055	2	5
172	Electrical Transport and Magnetoresistance in $\text{CoAlO}$ Granular Films under High Pressure. <i>Journal of the Physical Society of Japan</i> , <b>2005</b> , 74, 2783-2790	1.5	5
171	Perpendicular magnetic anisotropy and magnetooptical Kerr effect in Fe/Au(001) superlattices: comparison between monocrystalline and polycrystalline samples. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2001</b> , 226-230, 1720-1721	2.8	5
170	Magnetic superlattices fabricated by monoatomic layer control. <i>Surface Science</i> , <b>2001</b> , 493, 713-720	1.8	5
169	Anomalous pressure dependence of giant magnetoresistance in magnetic superlattice. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1996</b> , 156, 402-404	2.8	5
168	NMR study of copper in [Ni/Cu], [Co/Cu] magnetic superlattices synthesized by the ion beam sputtering method. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1993</b> , 126, 358-360	2.8	5
167	Exchange coupling and its oscillation in Fe/Cr-X multilayer films (X = Ti, V, Mn, Nb, Mo and Ru). <i>Journal of Magnetism and Magnetic Materials</i> , <b>1993</b> , 121, 309-312	2.8	5
166	Fabrication of (Fe(nML)/Au(nML)) (n=1,2,3) on Au(111) by Monoatomic Layer Deposition and Perpendicular Magnetic Anisotropy.. <i>Journal of the Magnetics Society of Japan</i> , <b>1996</b> , 20, 353-356		5
165	Epitaxial L10-FeNi films with high degree of order and large uniaxial magnetic anisotropy fabricated by denitriding FeNiN films. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 242404	3.4	5
164	FeNi and Fe <sub>16</sub> N <sub>2</sub> Magnets Prepared Using Leaching. <i>Materials Transactions</i> , <b>2019</b> , 60, 1066-1071	1.3	5
163	Non-destructive imaging for quality assurance of magnetoresistive random-access memory junctions. <i>Journal Physics D: Applied Physics</i> , <b>2020</b> , 53, 014004	3	5
162	Critical thickness for the emergence of Weyl features in Co <sub>3</sub> Sn <sub>2</sub> S <sub>2</sub> thin films. <i>Communications Materials</i> , <b>2021</b> , 2,	6	5
161	Spin-orbit torque in a Ni-Fe single layer. <i>Physical Review B</i> , <b>2021</b> , 104,	3.3	5
160	Fabrication and Characterization of Epitaxial Films of Superconductor NbN and Highly Spin-Polarized Heusler Alloy Co <sub>2</sub> Fe <sub>0.4</sub> Mn <sub>0.6</sub> Si. <i>IEEE Magnetics Letters</i> , <b>2017</b> , 8, 1-5	1.6	4
159	Size dependence of vortex-type spin torque oscillation in a Co <sub>2</sub> Fe <sub>0.4</sub> Mn <sub>0.6</sub> Si Heusler alloy disk. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 075005	3	4
158	Interface Tailoring Effect for Heusler Based CPP-GMR with an L1 <sub>2</sub> -Type Ag <sub>3</sub> Mg Spacer. <i>Materials</i> , <b>2018</b> , 11,	3.5	4
157	Magnetization reversal, damping properties and magnetic anisotropy of L1 <sub>0</sub> -ordered FeNi thin films. <i>Applied Physics Letters</i> , <b>2019</b> , 115, 202402	3.4	4

156	The electrical resistivity of epitaxially deposited chromium films. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 871, 012002	0.3	4
155	Platinum layer thickness dependence of spin-Hall induced effective magnetic field in Pt/Co/Pt structures. <i>Japanese Journal of Applied Physics</i> , <b>2014</b> , 53, 04EM06	1.4	4
154	Structure determination of thin CoFe films by anomalous x-ray diffraction. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 074903	2.5	4
153	Surface morphology and transport properties of Cr nanoparticles in single electron tunneling regime. <i>Journal of Physics: Conference Series</i> , <b>2011</b> , 266, 012093	0.3	4
152	Magnetization reversal analysis of a thin B2-type ordered Co <sub>50</sub> Fe <sub>50</sub> film by magnetooptic Kerr effect. <i>Journal Physics D: Applied Physics</i> , <b>2012</b> , 45, 205001	3	4
151	Spin Accumulation in Cr Nanoparticles in Single Electron Tunneling Regime. <i>IEEE Transactions on Magnetism</i> , <b>2010</b> , 46, 2060-2062	2	4
150	Difference between the giant magnetoresistance of Fe/Cu and Co/Cu magnetic multilayers under high pressure. <i>Physica B: Condensed Matter</i> , <b>1997</b> , 239, 53-55	2.8	4
149	Appearance of GMR on annealing in Cu-Co granular alloys with high Co concentration. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1998</b> , 177-181, 951-952	2.8	4
148	Magnetic Properties of L10 Ordered FePt Films Prepared on a Fe&ndash;Si&ndash;B&ndash;Nb&ndash;Cu Soft Magnetic Underlayer. <i>Materials Transactions</i> , <b>2006</b> , 47, 47-51	1.3	4
147	High-angle annular dark-field scanning transmission electron microscopy and electron energy-loss spectroscopy of nano-granular Co <sub>40</sub> Al <sub>60</sub> alloys. <i>Scripta Materialia</i> , <b>2003</b> , 48, 909-914	5.6	4
146	Numerical study of magnetoresistance for currents perpendicular to planes in spring ferromagnets. <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	4
145	Control of the size for octahedral FePt nanoparticles and their magnetic properties. <i>IEEE Transactions on Magnetism</i> , <b>2005</b> , 41, 3373-3375	2	4
144	Experiments on interlayer exchange coupling. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>1995</b> , 31, 17-23	3.1	4
143	Interlayer exchange coupling of Fe across CuAu alloys. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1996</b> , 156, 237-238	2.8	4
142	Evolution of Nanoscale Ferromagnetic Particles in Co-Cr and Cr-Fe Alloys Observed by Atom Probe Field Ion Microscopy. <i>Materials Research Society Symposia Proceedings</i> , <b>1995</b> , 384, 507		4
141	Perpendicularly magnetized Ni/Pt (001) epitaxial superlattice. <i>Physical Review Materials</i> , <b>2020</b> , 4,	3.2	4
140	Anomalous behavior of magnetization and perpendicular magnetic anisotropy for heusler compound type multilayer films, PtMnSb/CuMnSb.. <i>Journal of the Magnetism Society of Japan</i> , <b>1990</b> , 14, 371-374		4
139	Modelling of the Peltier effect in magnetic multilayers. <i>Journal of Applied Physics</i> , <b>2016</b> , 119, 073906	2.5	4

138	Deposition temperature dependence of interface magnetism of Co <sub>2</sub> FeGe-Heusler-alloy/Ag films studied with 57 Fe Mössbauer spectroscopy. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2018</b> , 464, 71-75	2.8	4
137	Chemical and structural analysis on magnetic tunnel junctions using a decelerated scanning electron beam. <i>Scientific Reports</i> , <b>2018</b> , 8, 7585	4.9	4
136	Evaluation of spin-orbit torque in a L10-FePt single layer and a L10-FePt/Pt bilayer. <i>Japanese Journal of Applied Physics</i> , <b>2019</b> , 58, 060915	1.4	3
135	Comparison of electrical and optical detection of spin injection in L10-FePt/MgO/GaAs hybrid structures. <i>Journal Physics D: Applied Physics</i> , <b>2015</b> , 48, 164003	3	3
134	Interface magnetic anisotropy for monatomic layer-controlled Co/Ni epitaxial multilayers. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 17C726	2.5	3
133	Bias voltage dependence of tunneling magnetoresistance in granular Co <sub>60</sub> Fe <sub>40</sub> films with current-perpendicular-to-plane geometry. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2012</b> , 324, 1970-1974	2.8	3
132	Magneto-Optical Properties and Size Effect of Ferromagnetic Metal Nanoparticles. <i>Japanese Journal of Applied Physics</i> , <b>2013</b> , 52, 073003	1.4	3
131	Magnetoelastic Properties of Epitaxially Grown Co <sub>2</sub> Fe <sub>0.4</sub> Mn <sub>0.6</sub> Si and Co <sub>2</sub> FeGa <sub>0.5</sub> Ge <sub>0.5</sub> Heusler Alloys Thin Films. <i>IEEE Transactions on Magnetics</i> , <b>2017</b> , 53, 1-6	2	3
130	Perpendicularly magnetized L10-FePt nanodots exchange-coupled with soft magnetic Ni <sub>81</sub> Fe <sub>19</sub> . <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 013905	2.5	3
129	Effect of Pressure on the Spin-Dependence of Electrical Resistivity in Fe/Cr Magnetic Multilayers. <i>Journal of the Physical Society of Japan</i> , <b>2010</b> , 79, 054711	1.5	3
128	Accelerating the L10 ordering transition of FePt(001) nanograins using composite buffer layers. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 043108	3.4	3
127	Magnetic properties of structure-disordered heavy fermion Ce-Ru alloys. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 150, 042004	0.3	3
126	The magneto-optical effect of Cr(001) wedged ultrathin films grown on Fe(001). <i>Journal of Magnetism and Magnetic Materials</i> , <b>1997</b> , 165, 134-136	2.8	3
125	Effect of pressure on the giant magnetoresistance of Fe/Cu magnetic multilayer. <i>Physica B: Condensed Matter</i> , <b>1997</b> , 237-238, 275-277	2.8	3
124	FMR investigation of magnetic anisotropies in Fe/Au superlattices. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1998</b> , 188, L269-L274	2.8	3
123	Detection of an Infrared Magnetorefractive Effect From a Layered Fe/MgO/Fe Magnetic Tunnel Junction. <i>IEEE Transactions on Magnetics</i> , <b>2008</b> , 44, 2566-2568	2	3
122	Numerical simulation of spin accumulation and tunnel magnetoresistance in single electron tunnelling junctions with a nonmagnetic nanoparticle. <i>Physica Status Solidi (B): Basic Research</i> , <b>2007</b> , 244, 4443-4447	1.3	3
121	Effect of Pressure on the Giant Magnetoresistance in Co/Cu Magnetic Multilayers. <i>Journal of the Physical Society of Japan</i> , <b>2006</b> , 75, 024702	1.5	3

120	Coulomb staircase and tunnel magnetoresistance in nanowire-shaped granular films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2006</b> , 303, e355-e358	2.8	3
119	Structure and tunnel magnetoresistance in Fe/MgF <sub>2</sub> /Co junctions with an oxide seed layer on an Fe bottom electrode. <i>Journal of Applied Physics</i> , <b>2002</b> , 91, 7200	2.5	3
118	Giant magnetoresistance of Co/Cu magnetic multilayers at high pressure. <i>Physica B: Condensed Matter</i> , <b>2000</b> , 284-288, 1245-1246	2.8	3
117	MR behavior in tunneling junctions with a nonmagnetic metal layer between barrier and electrode. <i>IEEE Transactions on Magnetics</i> , <b>1999</b> , 35, 2883-2885	2	3
116	NMR investigation of the anomalous magnetization behavior in PtMnSb/CuMnSb multilayer films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1992</b> , 104-107, 1751-1752	2.8	3
115	MAGNETO-OPTICAL CHARACTERIZATION OF FeAu ARTIFICIALLY ORDERED ALLOY. <i>Journal of the Magnetism Society of Japan</i> , <b>1996</b> , 20, S1_35-40		3
114	STM observation of metal-nonmetal granular thin films. <i>Journal of the Magnetism Society of Japan</i> , <b>1999</b> , 23, 82-84		3
113	Transport and magnetic properties of fully-epitaxial superconducting NbN/half-metallic Heusler alloy Co <sub>2</sub> MnSi bilayer films. <i>Journal of the Magnetism Society of Japan</i> , <b>2013</b> , 37, 222-226	0.7	3
112	Fabrication of L10-FeNi films by denitriding FeNiN films. <i>Journal of the Magnetism Society of Japan</i> , <b>2019</b> , 43, 79-83	0.7	3
111	Temperature dependence of the electrical resistivity in insulating granular films under high pressure. <i>Transactions of the Magnetism Society of Japan</i> , <b>2002</b> , 2, 53-55		3
110	Magnetoelastic interactions and magnetic damping in CoFeMnSi and CoFeGaGe Heusler alloys thin films for spintronic applications. <i>Scientific Reports</i> , <b>2021</b> , 11, 7608	4.9	3
109	Temperature dependence of current-perpendicular-to-plane giant magnetoresistance in the junctions with interface tailored Heusler alloy electrodes. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2019</b> , 474, 365-368	2.8	3
108	Buffer layer dependence of magnetoresistance effects in Co <sub>2</sub> Fe <sub>0.4</sub> Mn <sub>0.6</sub> Si/MgO/Co <sub>50</sub> Fe <sub>50</sub> tunnel junctions. <i>AIP Advances</i> , <b>2018</b> , 8, 055902	1.5	3
107	Optimization of half-Heusler PtMnSb alloy films for spintronic device applications. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 435002	3	3
106	Highly fcc-textured PtAl alloy films grown on MgO(001) showing enhanced spin Hall efficiency. <i>APL Materials</i> , <b>2021</b> , 9, 081113	5.7	3
105	Strain-Induced Large Anomalous Nernst Effect in Polycrystalline Co <sub>2</sub> MnGa/AlN Multilayers. <i>Advanced Electronic Materials</i> , <b>2019</b> , 2101380	6.4	3
104	Layer thickness dependence of spin orbit torques and fields in Pt/Co/AlO <sub>x</sub> trilayer structures. <i>Japanese Journal of Applied Physics</i> , <b>2015</b> , 54, 04DM05	1.4	2
103	Size dependence of Peltier cooling in ferromagnet/Au nanopillars. <i>Applied Physics Express</i> , <b>2015</b> , 8, 083002	0.4	2



102	Epitaxially grown Cu <sub>2</sub> Sb-type MnGaGe films with large perpendicular magnetic anisotropy. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 062402	3.4	2
101	Characterization of spin pumping effect in Permalloy/Cu/Pt microfabricated lateral devices. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 17C505	2.5	2
100	Effect of Pressure and Ion Beam Irradiation on the Giant Magnetoresistance of Fe/Cr Magnetic Multilayers. <i>IEEE Transactions on Magnetism</i> , <b>2014</b> , 50, 1-4	2	2
99	Electric field effect on magnetic anisotropy for Fe-Pt-Pd alloys. <i>AIP Advances</i> , <b>2017</b> , 7, 085210	1.5	2
98	Buffer-Layer Dependence of Interface Magnetic Anisotropy in Co <sub>2</sub> Fe <sub>0.4</sub> Mn <sub>0.6</sub> Si Heusler Alloy Ultrathin Films. <i>IEEE Transactions on Magnetism</i> , <b>2017</b> , 53, 1-4	2	2
97	Reply to Comment on Current perpendicular to film plane type giant magnetoresistance effect using a Ag/Mg spacer and Co <sub>2</sub> Fe <sub>0.4</sub> Mn <sub>0.6</sub> Si Heusler alloy electrodes. <i>Applied Physics Express</i> , <b>2015</b> , 8, 119102	2.4	2
96	Anisotropic Magnetoresistance Effect in Co <sub>2</sub> (FeMn)(AlSi) Heusler Alloy Thin Film. <i>IEEE Transactions on Magnetism</i> , <b>2015</b> , 51, 1-3	2	2
95	Magnetic domain imaging in L10 ordered FePt thin films with in-plane uniaxial magnetic anisotropy. <i>Journal of Applied Physics</i> , <b>2014</b> , 116, 133904	2.5	2
94	Tunnel Magnetoresistance Effect in Tunnel Junctions with Co <sub>2</sub> MnSi Heusler Alloy Electrode and MgO Barrier <b>2013</b> , 355-366		2
93	Thermal Expansion of Structure-Disordered Heavy-Fermion Ce Alloys. <i>Journal of the Physical Society of Japan</i> , <b>2011</b> , 80, SA057	1.5	2
92	Magnetic properties of ion irradiated epitaxial Fe films. <i>Journal of Physics: Conference Series</i> , <b>2011</b> , 266, 012035	0.3	2
91	Spacer layer thickness dependence of exchange coupling in Co-enriched Co-Mn-Si/Cr/Co-Mn-Si epitaxial trilayers. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 113901	2.5	2
90	Non-Local Hall Resistance in FePt / Au Multi-Terminal Devices. <i>Materials Research Society Symposia Proceedings</i> , <b>2012</b> , 1458, 6		2
89	Magnetic properties of perpendicularly orientated L10 FePt nanoparticles. <i>Science Bulletin</i> , <b>2010</b> , 55, 680-686		2
88	Atomic ordering and magnetic properties of polycrystalline L10-FePd dot arrays. <i>Physica B: Condensed Matter</i> , <b>2010</b> , 405, 3149-3153	2.8	2
87	Magneto-Optical Effects of Ultrathin Ferro-, Antiferro- and Non-Magnetic Films. <i>Materials Research Society Symposia Proceedings</i> , <b>1997</b> , 475, 227		2
86	Inverse tunnel magnetoresistance associated with Coulomb staircases in micro-fabricated granular systems. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 272-276, E1091-E1093	2.8	2
85	Enhanced coercivity of L10 ordered FePt thin films fabricated by alternate monatomic layer deposition on stepped Pt(0 0 1). <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 272-276, E853-E854	2.8	2



84	Magneto-optical Kerr effects in metallic superlattices fabricated by monatomic layer control. Comparison between experiments and first-principles calculations. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 239, 255-260	2.8	2
83	Magnetically induced second harmonic generation (MSHG) as a tool for the studies of surface magnetism. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 239, 351-355	2.8	2
82	Magnetic microstructures of nano-granular CoPt-Al-O thin films studied by Lorentz microscopy and electron holography. <i>IEEE Transactions on Magnetics</i> , <b>2005</b> , 41, 3724-3726	2	2
81	Effects of Dy on spin-flop and magnetostriction in exchange-coupled Tb-Dy-Fe/Fe-Cu-Nb-Si-B multilayers. <i>IEEE Transactions on Magnetics</i> , <b>2001</b> , 37, 2684-2686	2	2
80	Polarization control with an X-ray phase retarder for high-time-resolution pump-probe experiments at SACLA. <i>Journal of Synchrotron Radiation</i> , <b>2019</b> , 26, 1139-1143	2.4	2
79	Annealing Effect on Giant Magnetoresistance in Sputtered Cu-Co Alloy Films. <i>Journal of the Magnetism Society of Japan</i> , <b>1997</b> , 21, 469-472		2
78	Nonlinear Magneto-Optical Effect in Fe/Au Superlattices. <i>Journal of the Magnetism Society of Japan</i> , <b>1999</b> , 23, 352-354		2
77	Preparation of ferromagnetic tunneling junctions by ion beam sputtering. <i>Journal of the Magnetism Society of Japan</i> , <b>1999</b> , 23, 70-72		2
76	MgO Layer Thickness Dependence of Structure and Magnetic Properties of L10-FePt/MgO/GaAs Structures. <i>Japanese Journal of Applied Physics</i> , <b>2012</b> , 51, 02BM05	1.4	2
75	Generation of terahertz transients from Co <sub>2</sub> Fe <sub>0.4</sub> Mn <sub>0.6</sub> Si-Heusler-alloy/normal-metal nanobilayers excited by femtosecond optical pulses. <i>Physical Review Research</i> , <b>2021</b> , 3,	3.9	2
74	Origin of magnetic anisotropy, role of induced magnetic moment, and all-optical magnetization switching for Co <sub>100-x</sub> Gdx/Pt multilayers. <i>APL Materials</i> , <b>2021</b> , 9, 061110	5.7	2
73	Temperature dependence of anisotropic magneto-Seebeck effect in NiPt alloys. <i>Applied Physics Express</i> , <b>2021</b> , 14, 073001	2.4	2
72	Perpendicular magnetic anisotropy in ultra-thin Cu <sub>2</sub> Sb-type (Mn <sub>1-x</sub> Cr <sub>x</sub> )AlGe films fabricated onto thermally oxidized silicon substrates. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 262404	3.4	2
71	Epitaxial CuN Films with Highly Tunable Lattice Constant for Lattice-Matched Magnetic Heterostructures with Enhanced Thermal Stability. <i>Advanced Electronic Materials</i> , <b>2018</b> , 4, 1700367	6.4	2
70	Synthesis and magnetic properties of tetragonally ordered Fe <sub>2</sub> Ni <sub>2</sub> N alloy using topotactic nitriding reaction. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 885, 161122	5.7	2
69	MgO template effect for perpendicular magnetic anisotropy in (001)-textured poly-crystalline MnAlGe films. <i>AIP Advances</i> , <b>2021</b> , 11, 015124	1.5	2
68	Magnetization Precession at Sub-Terahertz Frequencies in Polycrystalline Cu Sb-Type (Mn-Cr)AlGe Ultrathin Films.. <i>Small</i> , <b>2022</b> , e2200378	11	2
67	Blocking temperature enhancement in Ni <sub>2</sub> MnAl/Fe bilayers by thermal treatments. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2019</b> , 478, 206-210	2.8	1

66	Anomalous Hall Effect and Anisotropic Magnetoresistance in Perpendicularly Magnetized FePt <sub>1-x</sub> Pd <sub>x</sub> Films. <i>Journal of the Magnetism Society of Japan</i> , <b>2019</b> , 43, 29-33	0.7	1
65	Effect of chemical ordering on 90° interlayer coupling in epitaxial Co <sub>2</sub> Fe/Cr/Co <sub>2</sub> Fe thin films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2014</b> , 369, 211-218	2.8	1
64	Pressure-enhanced giant magnetoresistance in Fe/Cr magnetic multilayers. <i>Journal of the Korean Physical Society</i> , <b>2013</b> , 62, 1929-1932	0.6	1
63	Relationship between the microstructure and the magnetic properties of nano-scale magnetic particles formed in a Cu-10 at% Ni-5 at% Co alloy. <i>Journal of the Korean Physical Society</i> , <b>2013</b> , 63, 555-558	0.6	1
62	Control of Magnetization Dynamics in Ordered Alloy Systems. <i>Journal of the Magnetism Society of Japan</i> , <b>2017</b> , 41, 46-51	0.7	1
61	Interface Magnetic Anisotropy Between L1 <sub>0</sub> -FePt and Nonmagnetic Layers. <i>IEEE Transactions on Magnetism</i> , <b>2012</b> , 48, 3199-3202	2	1
60	Microstructure Affecting Magnetoresistance of a Cu <sub>75</sub> Fe <sub>5</sub> Ni <sub>20</sub> Alloy. <i>Japanese Journal of Applied Physics</i> , <b>2011</b> , 50, 045807	1.4	1
59	Preparation of Highly-Oriented Co <sub>2</sub> MnSi Films on a Non-Single-Crystalline Substrate Using a Titanium Nitride Buffer Layer. <i>Japanese Journal of Applied Physics</i> , <b>2011</b> , 50, 028001	1.4	1
58	Pressure-induced half-metallic gap transformation in Co <sub>2</sub> MnSi observed by tunneling conductance spectroscopy. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	1
57	Relative Vortex State Control in a Co/Cu/Co Pseudo-Spin-Valve Ring. <i>Japanese Journal of Applied Physics</i> , <b>2012</b> , 51, 04DM04	1.4	1
56	Electrical determination of relative chirality direction in a Co/Cu/Co ferromagnetic ring. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 062409	3.4	1
55	La substitution effect to the heavy-fermion state in structure-disordered Ce-Ru alloys. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 391, 012002	0.3	1
54	Growth and Characterization of Ultrathin Fe Films on Molecule-Adsorbed MgO Surfaces. <i>Materials Transactions</i> , <b>2009</b> , 50, 2512-2514	1.3	1
53	Study of Strain and Giant Magnetoresistance of Co/Cu Magnetic Multilayers. <i>Journal of the Physical Society of Japan</i> , <b>2006</b> , 75, 074715	1.5	1
52	Characterization of C <sub>60</sub> Films Polymerized by Ion Irradiation. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2006</b> , 14, 429-434	1.8	1
51	Effect of pressure on the tunnel magnetoresistance of Co <sub>2</sub> AlO granular films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 272-276, 1829-1830	2.8	1
50	Theory of CPP magnetoresistance in spring ferromagnets. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 272-276, 1712-1713	2.8	1
49	Transport properties of Au/Fe monatomic multilayers with L1 <sub>0</sub> ordered structure. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 240, 358-361	2.8	1

48	Thermal Stability and Interdiffusion in Artificial L10-type Ordered AuFe Alloy Fabricated by Alternate Monatomic Deposition. <i>Materials Transactions, JIM</i> , <b>1998</b> , 39, 1180-1184		1
47	Effect of Additive Elements in Cu of Co/Cu Multilayers on Magnetoresistance and Its Oscillation. <i>Materials Transactions, JIM</i> , <b>1995</b> , 36, 712-718		1
46	Ferrimagnetic Behavior and Magnetoresistance of Fe/Gd Double Structured Multilayer Films. <i>Materials Research Society Symposia Proceedings</i> , <b>1991</b> , 231, 125		1
45	Correlation between magnetooptical Kerr rotation and anomalous Hall effect in FePt/Pt multilayer films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1992</b> , 104-107, 1749-1750	2.8	1
44	Brillouin scattering from spin waves in Co/Gd multilayer films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1993</b> , 126, 329-332	2.8	1
43	Nanoscale-Thick Ni-Based Half-Heusler Alloys with Structural Ordering-Dependent Ultralow Magnetic Damping: Implications for Spintronic Applications. <i>ACS Applied Nano Materials</i> , <b>2022</b> , 5, 569-577 <sup>5.6</sup>		1
42	Effect of Pressure on the Electrical Resistivity of Co/Cu Magnetic Multilayers.. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu</i> , <b>1998</b> , 7, 644-646	0	1
41	Giant Magnetoresistive Devices with Half-Metallic Heusler Compounds. <i>Springer Series in Materials Science</i> , <b>2016</b> , 389-400	0.9	1
40			
39	Interlayer Coupling and Magnetization Process in Co/Pt/Gd/Pt Multilayers.. <i>Journal of the Magnetism Society of Japan</i> , <b>1994</b> , 18, 375-380		1
38	Structure and Perpendicular Magnetic Anisotropy in Fe/Au Superlattices Modulated by Non-Integer Atomic Layers. <i>Journal of the Magnetism Society of Japan</i> , <b>1998</b> , 22, 585-588		1
37	Microstructures and Interface Magnetic Moments in MnVAl/Fe Layered Films Showing Exchange Bias. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	1
36	Microstructural evolution and correlated magnetic domain configuration of nanoparticles embedded in a single crystal of Cu <sub>75</sub> Ni <sub>20</sub> Fe <sub>5</sub> alloy. <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 335006	3	1
35	The electrical resistance of gold-capped chromium thin films. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 969, 012029	0.3	1
34	X-ray magnetic circular dichroism and hard X-ray photoelectron spectroscopy of tetragonal Mn <sub>72</sub> Ge <sub>28</sub> epitaxial thin film. <i>Japanese Journal of Applied Physics</i> , <b>2018</b> , 57, 04FN10	1.4	1
33	Magnetization switching behavior of exchange-coupled bilayer nanodots characterized by magneto-optical Kerr effect. <i>Journal of Applied Physics</i> , <b>2017</b> , 122, 093902	2.5	0
32	Magnetostriction Measurements of L10 Fe <sub>50</sub> Pt(50%)Pdx Thin Films. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-4	2	0
31	Interlayer Coupling and Magnetization Process in Co/Pt/Gd/Pt Multilayers. <i>IEEE Translation Journal on Magnetics in Japan</i> , <b>1994</b> , 9, 164-170		0

30	Effect of disorder and vacancy defects on electrical transport properties of Co <sub>2</sub> MnGa thin films grown by magnetron sputtering. <i>Journal of Applied Physics</i> , <b>2021</b> , 130, 225301	2.5	○
29	Evaluation of edge domains in giant magnetoresistive junctions. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 172405	1.4	○
28	Spin Hall effect in a non-equilibrium Cu <sub>76</sub> Ir <sub>24</sub> alloy measured at various temperatures. <i>AIP Advances</i> , <b>2021</b> , 11, 095221	1.5	○
27	Fabrication of L10-FeNi films with island structures by nitrogen insertion and topotactic extraction for improved coercivity. <i>APL Materials</i> , <b>2021</b> , 9, 091108	5.7	○
26	All-Optical Detection of Spin Pumping and Giant Interfacial Spin Transparency in Co <sub>2</sub> Fe <sub>0.4</sub> Mn <sub>0.6</sub> Si/Pt Heterostructure. <i>Advanced Quantum Technologies</i> , <b>2020</b> , 3, 2200033	4.3	○
25	Development and Prospect of Materials for Spintronics. <i>Materia Japan</i> , <b>2017</b> , 56, 190-194	0.1	
24	Fundamentals of Magnetoresistance Effects <b>2016</b> , 1-20		
23	Spin Electronics <b>2019</b> , 537-555		
22	Perpendicular Magnetic Anisotropy in Pt/Co/AlO Trilayer Structures Depending on AlO Thickness and Fabrication Method. <i>Key Engineering Materials</i> , <b>2014</b> , 616, 247-251	0.4	
21	Observation and suppression of quantized spin waves in microfabricated permalloy elements. <i>Japanese Journal of Applied Physics</i> , <b>2014</b> , 53, 04EM01	1.4	
20	Barrier height imaging of magnetic films: Use for studying the initial growth of Co films and the surface structure of FePt films. <i>Surface Science</i> , <b>2012</b> , 606, 226-232	1.8	
19	Spintronic Properties and Advanced Materials. <i>Springer Series in Materials Science</i> , <b>2013</b> , 103-124	0.9	
18	Fabrication and Properties of Novel Metal-free L10 Type FeNi Ordered Alloy with High Magnetic Anisotropy. <i>Materia Japan</i> , <b>2011</b> , 50, 389-392	0.1	
17	Ferromagnetic Resonance Study on FePt Thin Films with In-Plane Magnetization Using Coplanar Waveguide. <i>Key Engineering Materials</i> , <b>2012</b> , 508, 261-265	0.4	
16	Magnetotransport properties of Co-C granular thin films depending on the carbon sputtering power. <i>Materials Research Society Symposia Proceedings</i> , <b>2012</b> , 1458, 13		
15	Magnetic properties of structure-disordered heavy fermion Ce-Mn alloys. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 200, 012006	0.3	
14	The Electronic Structures of Fullerene/Transition-Metal Hybrid Material. <i>Materials Research Society Symposia Proceedings</i> , <b>2008</b> , 1081, 1		
13	Anomalous Pressure-Induced Enhancement of GMR in Fe/Cr Magnetic Multilayers. <i>Journal of the Physical Society of Japan</i> , <b>2007</b> , 76, 90-91	1.5	

- 12 Temperature dependence of electrical resistivity of Co/Cu multilayers at static magnetic field. *Journal of Magnetism and Magnetic Materials*, **2004**, 272-276, 1231-1232 2.8
- 11 Thermal variation of magnetotransport properties of Co/Cu magnetic multilayers. *Journal of Magnetism and Magnetic Materials*, **2004**, 272-276, E929-E930 2.8
- 10 Nuclear magnetic relaxation in VO<sub>2</sub>. *Journal of Magnetism and Magnetic Materials*, **1983**, 31-34, 345-346 2.8
- 9 Effect of Pressure on the Giant Magnetoresistance of Magnetic Multilayers.. *Journal of the Magnetism Society of Japan*, **2000**, 24, 447-450
- 8 Characterization of Interfaces in [Fe(xML)/Au(xML)] Superlattices by Means of the Nonlinear Magneto-optical Effect.. *Journal of the Magnetism Society of Japan*, **2000**, 24, 383-386
- 7 Tunnel magnetoresistance due to spin accumulation in nonmagnetic nanoparticles and its potential applications. *Transactions of the Materials Research Society of Japan*, **2008**, 33, 295-298 0.2
- 6 Ordered Alloys for Spintronics. *Journal of the Institute of Electrical Engineers of Japan*, **2019**, 139, 607-612
- 5 Giant magnetoresistance and microstructure in Cr-Fe and Cu-Co heterogeneous alloys **1996**, 106-110
- 4 Effect of Pressure on the Giant Magnetoresistance for Co/Cu with Different Cu-Layer Thicknesses. *Journal of the Magnetism Society of Japan*, **1999**, 23, 117-119
- 3 Structural and Magnetic Properties of MBE Grown (Fe/Pt) (111) Multilayers. *Acta Physica Polonica A*, **2016**, 130, 1363-1370 0.6
- 2 Preparation of Highly-Oriented Co<sub>2</sub>MnSi Films on a Non-Single-Crystalline Substrate Using a Titanium Nitride Buffer Layer. *Japanese Journal of Applied Physics*, **2011**, 50, 028001 1.4
- 1 Special Issue on Advanced Spintronic/Nano-Magnetic Materials. *Materials Transactions*, **2016**, 57, 759-759.3