

# Koki Takanashi

## List of Publications by Year in Descending Order

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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	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	5.6	1
460	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
459	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	0
458	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
457	Evaluation of edge domains in giant magnetoresistive junctions. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 172405	4.4	0
456	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
455	Origin of magnetic anisotropy, role of induced magnetic moment, and all-optical magnetization switching for Co <sub>100</sub> Gdx/Pt multilayers. <i>APL Materials</i> , <b>2021</b> , 9, 061110	5.7	2
454	Temperature dependence of anisotropic magneto-Seebeck effect in NiPt alloys. <i>Applied Physics Express</i> , <b>2021</b> , 14, 073001	2.4	2
453	Microstructures and Interface Magnetic Moments in MnVAl/Fe Layered Films Showing Exchange Bias. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	1
452	Perpendicular magnetic anisotropy in ultra-thin Cu <sub>2</sub> Sb-type (MnCr)AlGe films fabricated onto thermally oxidized silicon substrates. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 262404	3.4	2
451	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
450	Enhancement of the anomalous Nernst effect in Ni/Pt superlattices. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	10
449	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
448	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
447	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	0
446	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	0
445	Spin-orbit torque in a Ni-Fe single layer. <i>Physical Review B</i> , <b>2021</b> , 104,	3.3	5

444	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
443	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
442	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
441	Element-selectively tracking ultrafast demagnetization process in Co/Pt multilayer thin films by the resonant magneto-optical Kerr effect. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 172406	3.4	17
440	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
439	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
438	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
437	Perpendicular magnetic anisotropy of (001)-textured poly-crystalline MnAlGe films. <i>AIP Advances</i> , <b>2020</b> , 10, 015122	1.5	6
436	Spin-mediated charge-to-heat current conversion phenomena in ferromagnetic binary alloys. <i>Physical Review Materials</i> , <b>2020</b> , 4,	3.2	16
435	Perpendicularly magnetized Ni/Pt (001) epitaxial superlattice. <i>Physical Review Materials</i> , <b>2020</b> , 4,	3.2	4
434	High-temperature dependence of anomalous Ettingshausen effect in SmCo <sub>5</sub> -type permanent magnets. <i>Applied Physics Letters</i> , <b>2020</b> , 117, 082408	3.4	9
433	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
432	Large spin-Hall effect in non-equilibrium binary copper alloys beyond the solubility limit. <i>Communications Materials</i> , <b>2020</b> , 1,	6	11
431	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
430	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
429	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
428	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
427	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

426	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
425	Anomalous Ettingshausen effect in ferrimagnetic Co <sub>2</sub> Si. <i>Applied Physics Express</i> , <b>2019</b> , 12, 023006	2.4	14
424	Anomaly in anomalous Nernst effect at low temperature for C1b-type NiMnSb half-Heusler alloy thin film. <i>Japanese Journal of Applied Physics</i> , <b>2019</b> , 58, SBBI03	1.4	10
423	Fabrication of L10-FeNi by pulsed-laser deposition. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 072404	3.4	6
422	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
421	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
420	Spin Electronics <b>2019</b> , 537-555		
419	Large spin anomalous Hall effect in L10-FePt: Symmetry and magnetization switching. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	33
418	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
417	Magnetization reversal, damping properties and magnetic anisotropy of L10-ordered FeNi thin films. <i>Applied Physics Letters</i> , <b>2019</b> , 115, 202402	3.4	4
416	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
415	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
414	Ordered Alloys for Spintronics. <i>Journal of the Institute of Electrical Engineers of Japan</i> , <b>2019</b> , 139, 607-610		
413	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
412	Spin-charge conversion in NiMnSb Heusler alloy films. <i>Science Advances</i> , <b>2019</b> , 5, eaaw9337	14.3	7
411	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
410	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
409	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

408	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
407	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
406	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
405	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
404	Mn <sub>2</sub> VAl 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
403	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
402	Interface Tailoring Effect for Heusler Based CPP-GMR with an L1 <sub>0</sub> Type AgMg Spacer. <i>Materials</i> , <b>2018</b> , 11,	3.5	4
401	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
400	Preferred site occupation of 3d atoms in Ni <sub>x</sub> Fe <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
399	Spin-Hall and anisotropic magnetoresistance in ferrimagnetic Co-Gd/Pt layers. <i>Physical Review Materials</i> , <b>2018</b> , 2,	3.2	16
398	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
397	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
396	The electrical resistance of gold-capped chromium thin films. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 969, 012029	0.3	1
395	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
394	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
393	Spin-Orbit-Torque Memory Operation of Synthetic Antiferromagnets. <i>Physical Review Letters</i> , <b>2018</b> , 121, 167202	7.4	37
392	Deposition temperature dependence of interface magnetism of Co <sub>2</sub> FeGe-Heusler-alloy/Ag films studied with <sup>57</sup> Fe Mössbauer spectroscopy. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2018</b> , 464, 71-75	2.8	4
391	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

390	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/Mg spacer. <i>Journal Physics D: Applied Physics</i> , <b>2017</b> , 50, 014004	3	14
389	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
388	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
387	Voltage control of magnetic anisotropy in epitaxial Ru/CoFeAl/MgO heterostructures. <i>Scientific Reports</i> , <b>2017</b> , 7, 45026	4-9	30
386	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 Magnetism Letters</i> , <b>2017</b> , 8, 1-5	1-6	4
385	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
384	Development of antiferromagnetic Heusler alloys for the replacement of iridium as a critically raw material. <i>Journal Physics D: Applied Physics</i> , <b>2017</b> , 50, 443001	3	29
383	Magnetic anisotropy of L10-ordered FePt thin films studied by Fe and Pt L <sub>2,3</sub> -edges x-ray magnetic circular dichroism. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 142402	3-4	18
382	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
381	Development and Prospect of Materials for Spintronics. <i>Materia Japan</i> , <b>2017</b> , 56, 190-194	0-1	
380	Nonlinear electric field effect on perpendicular magnetic anisotropy in Fe/MgO interfaces. <i>Journal Physics D: Applied Physics</i> , <b>2017</b> , 50, 40LT04	3	17
379	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
378	Dependence of anomalous Nernst effect on crystal orientation in highly ordered $\sqrt{2}$ -Fe <sub>4</sub> N films with anti-perovskite structure. <i>Applied Physics Express</i> , <b>2017</b> , 10, 073005	2-4	20
377	Fabrication and characterization of L10-ordered FeNi thin films. <i>Journal Physics D: Applied Physics</i> , <b>2017</b> , 50, 483002	3	20
376	Electric field effect on magnetic anisotropy for Fe-Pt-Pd alloys. <i>AIP Advances</i> , <b>2017</b> , 7, 085210	1-5	2
375	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
374	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
373	The electrical resistivity of epitaxially deposited chromium films. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 871, 012002	0-3	4

372	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
371	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 Magnetism</i> , <b>2017</b> , 53, 1-6	2	3
370	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
369	Current perpendicular-to-plane giant magnetoresistance using an L1 <sub>2</sub> 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
368	Fundamentals of Magnetoresistance Effects <b>2016</b> , 1-20		
367	Vortex spin-torque oscillator using Co <sub>2</sub> Fe <sub>x</sub> Mn <sub>1-x</sub> Si Heusler alloys. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	14
366	Resonant switching for an in-plane magnetized L <sub>10</sub> -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
365	Giant Magnetoresistive Devices with Half-Metallic Heusler Compounds. <i>Springer Series in Materials Science</i> , <b>2016</b> , 389-400	0.9	1
364	Structural and Magnetic Properties of MBE Grown (Fe/Pt) (111) Multilayers. <i>Acta Physica Polonica A</i> , <b>2016</b> , 130, 1363-1370	0.6	
363	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
362	Special Issue on Advanced Spintronic/Nano-Magnetic Materials. <i>Materials Transactions</i> , <b>2016</b> , 57, 759-759.3		
361	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
360	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
359	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
358	Modelling of the Peltier effect in magnetic multilayers. <i>Journal of Applied Physics</i> , <b>2016</b> , 119, 073906	2.5	4
357	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. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	19
356	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
355	Vortex-dynamics-mediated low-field magnetization switching in an exchange-coupled system. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	6

- 354 Electronic structure and magnetic anisotropy of L10-FePt thin film studied by hard x-ray photoemission spectroscopy and first-principles calculations. *Applied Physics Letters*, **2016**, 109, 042404 3-4 13
- 353 Exchange bias effects in Heusler alloy Ni<sub>2</sub>MnAl/Fe bilayers. *Journal Physics D: Applied Physics*, **2016**, 49, 235001 3 9
- 352 Enhancement of electric field modulation of coercivity in Pt /Co/Al-O structures by tuning Co surface oxidation. *Journal Physics D: Applied Physics*, **2016**, 49, 03LT01 3 6
- 351 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
- 350 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. *Journal Physics D: Applied Physics*, **2016**, 49, 335006 3 1
- 349 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. *Applied Physics Express*, **2015**, 8, 063008 2-4 24
- 348 Comparison of electrical and optical detection of spin injection in L10-FePt/MgO/GaAs hybrid structures. *Journal Physics D: Applied Physics*, **2015**, 48, 164003 3 3
- 347 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
- 346 Local structure and magnetism of L10-type FeNi alloy films with perpendicular magnetic anisotropy studied through <sup>57</sup>Fe nuclear probes. *Journal Physics D: Applied Physics*, **2015**, 48, 205002 3 8
- 345 Spin torque-induced magnetization dynamics in giant magnetoresistance devices with Heusler alloy layers. *Journal Physics D: Applied Physics*, **2015**, 48, 164010 3 13
- 344 Layer thickness dependence of spin orbit torques and fields in Pt/Co/AlO trilayer structures. *Japanese Journal of Applied Physics*, **2015**, 54, 04DM05 1-4 2
- 343 Interface magnetic anisotropy for monatomic layer-controlled Co/Ni epitaxial multilayers. *Journal of Applied Physics*, **2015**, 117, 17C726 2.5 3
- 342 Size dependence of Peltier cooling in ferromagnet/Au nanopillars. *Applied Physics Express*, **2015**, 8, 083002 2 2
- 341 Structural and magnetic properties of FeNi thin films fabricated on amorphous substrates. *Journal of Applied Physics*, **2015**, 117, 17E309 2.5 10
- 340 Magnetostriction Measurements of L10 Fe<sub>50</sub>Pt(50x)Pdx Thin Films. *IEEE Transactions on Magnetics*, **2015**, 51, 1-4 2 0
- 339 Observation of inverse spin Hall effect in ferromagnetic FePt alloys using spin Seebeck effect. *Applied Physics Letters*, **2015**, 107, 092401 3-4 34
- 338 Enhancement of anomalous Nernst effects in metallic multilayers free from proximity-induced magnetism. *Physical Review B*, **2015**, 92, 3-3 68
- 337 Superferromagnetism in dipolarly coupled L10 FePt nanodots with perpendicular magnetization. *Applied Physics Letters*, **2015**, 107, 152410 3-4 14

336	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
335	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
334	Anisotropic Magnetoresistance Effect in Co <sub>2</sub> (Fe <sub>1-x</sub> Mn <sub>x</sub> )(Al <sub>1-y</sub> Si <sub>y</sub> ) Heusler Alloy Thin Film. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-3	2	2
333	Perpendicularly magnetized L1 <sub>0</sub> -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
332	Fully epitaxial C1b-type NiMnSb half-Heusler alloy films for current-perpendicular-to-plane giant magnetoresistance devices with a Ag spacer. <i>Scientific Reports</i> , <b>2015</b> , 5, 18387	4.9	31
331	Current-induced spin polarization on metal surfaces probed by spin-polarized positron beam. <i>Scientific Reports</i> , <b>2014</b> , 4, 4844	4.9	30
330	Magnetic domain observation of FeCo thin films fabricated by alternate monoatomic layer deposition. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 043908	2.5	18
329	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
328	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
327	Effect of chemical ordering on 90° interlayer coupling in epitaxial CoFe/Cr/CoFe thin films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2014</b> , 369, 211-218	2.8	1
326	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
325	Effect of Pressure and Ion Beam Irradiation on the Giant Magnetoresistance of Fe/Cr Magnetic Multilayers. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	2
324	Future perspectives for spintronic devices. <i>Journal Physics D: Applied Physics</i> , <b>2014</b> , 47, 193001	3	287
323	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
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	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	
319	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

3 <sup>18</sup>	High power all-metal spin torque oscillator using full Heusler Co <sub>2</sub> (Fe,Mn)Si. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 092406	3.4	26
3 <sup>17</sup>	Formation of FeNi with L10-ordered structure using high-pressure torsion. <i>Philosophical Magazine Letters</i> , <b>2014</b> , 94, 639-646	1	58
3 <sup>16</sup>	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
3 <sup>15</sup>	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
3 <sup>14</sup>	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	
3 <sup>13</sup>	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
3 <sup>12</sup>	Structural, magnetic and electronic state characterization of L1 0-type ordered FeNi alloy extracted from a natural meteorite. <i>Journal of Physics Condensed Matter</i> , <b>2014</b> , 26, 064206	1.8	31
3 <sup>11</sup>	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
3 <sup>10</sup>	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
3 <sup>09</sup>	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
3 <sup>08</sup>	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
3 <sup>07</sup>	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
3 <sup>06</sup>	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
3 <sup>05</sup>	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
3 <sup>04</sup>	Origin of strong magnetic anisotropy in L10-FeNi probed by angular-dependent magnetic circular dichroism. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2013</b> , 326, 235-239	2.8	29
3 <sup>03</sup>	Tunnel Magnetoresistance Effect in Tunnel Junctions with Co <sub>2</sub> MnSi Heusler Alloy Electrode and MgO Barrier <b>2013</b> , 355-366		2
3 <sup>02</sup>	Spintronic Properties and Advanced Materials. <i>Springer Series in Materials Science</i> , <b>2013</b> , 103-124	0.9	
3 <sup>01</sup>	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

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298	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
297	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
296	Magnetization damping of an L1 <sub>0</sub> -FeNi thin film with perpendicular magnetic anisotropy. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 242409	3.4	24
295	Fabrication of highly L1 <sub>0</sub> -ordered FePt thin films by low-temperature rapid thermal annealing. <i>APL Materials</i> , <b>2013</b> , 1, 032117	5.7	15
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289	Magnetic characterization of thin Co <sub>50</sub> Fe <sub>50</sub> films by magnetooptic Kerr effect. <i>Journal Physics D: Applied Physics</i> , <b>2012</b> , 45, 495002	3	10
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287	Interface Magnetic Anisotropy Between L1 <sub>0</sub> -FePt and Nonmagnetic Layers. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 3199-3202	2	1
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53	Fabrication of (Fe(nML)/Au(nML)) (n=1,2,3) on Au(111) by Monatomic Layer Deposition and Perpendicular Magnetic Anisotropy.. <i>Journal of the Magnetism Society of Japan</i> , <b>1996</b> , 20, 353-356		5
52	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
51	Giant magnetoresistance and microstructure in Cr-Fe and Cu-Co heterogeneous alloys <b>1996</b> , 106-110		
50	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
49	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

48	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
47	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
46	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
45	Magnetoresistance and phase decomposition in Cr-Fe bulk alloys. <i>Journal of Applied Physics</i> , <b>1995</b> , 77, 5843-5849	2.5	19
44	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
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39	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
38	Magneto-optical 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
37	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
36	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
35	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
34	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
33	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
32	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
31	Giant magnetoresistance of Fe/Cr superlattices under high pressure. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1993</b> , 126, 513-515	2.8	11

30	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
29	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
28	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
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26	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
25	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
24	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
23	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
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21	Ferrimagnetic Behavior and Magnetoresistance of Fe/Gd Double Structured Multilayer Films. <i>Materials Research Society Symposia Proceedings</i> , <b>1991</b> , 231, 125		1
20	Magnetooptical 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
19	Perpendicular magnetic anisotropy and magneto-optical kerr effect of FePt/Pt multilayer films.. <i>Journal of the Magnetism Society of Japan</i> , <b>1991</b> , 15, 415-418		8
18	Anomalous behavior of magnetization for PtMnSb/CuMnSb multilayer films. <i>Journal of Applied Physics</i> , <b>1990</b> , 67, 393-397	2.5	8
17	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
16	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
15	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
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3			
2	Strain-Induced Large Anomalous Nernst Effect in Polycrystalline $\text{Co}_{0.2}\text{MnGa}/\text{AlN}$ Multilayers. <i>Advanced Electronic Materials</i> , 2101380	6.4	3
1	All-Optical Detection of Spin Pumping and Giant Interfacial Spin Transparency in $\text{Co}_{0.2}\text{Fe}_{0.4}\text{Mn}_{0.6}\text{Si}/\text{Pt}$ Heterostructure. <i>Advanced Quantum Technologies</i> , 2200033	4.3	0