

# Yuya Sakuraba

## List of Publications by Year in descending order

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164  
papers

5,164  
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101543

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66  
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165  
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165  
docs citations

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times ranked

2601  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of Co <sub>2</sub> FeSi Heusler-alloy epitaxial film on NbN epilayer with improved surface morphology. <i>Thin Solid Films</i> , 2022, 745, 139084.	1.8	3
2	Quantitative atomic order characterization of a Mn <sub>2</sub> FeAl Heusler epitaxial thin film. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 185305.	2.8	6
3	Phase-transition-induced giant Thomson effect for thermoelectric cooling. <i>Applied Physics Reviews</i> , 2022, 9, .	11.3	13
4	Epitaxial all-bcc-Co <sub>50</sub> Fe <sub>50</sub> /Cu/Co <sub>50</sub> Fe <sub>50</sub> current-in-plane giant magnetoresistive spin-valves on Si(001) substrate. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 551, 169154.	2.3	0
5	Strain-induced Large Anomalous Nernst Effect in Polycrystalline Co <sub>2</sub> MnGa/AlN Multilayers. <i>Advanced Electronic Materials</i> , 2022, 8, .	5.1	19
6	Microstructure and atomic order analyses in CoFeCrAl Heusler alloy thin films: Interpretation of spin gapless semiconductor-like transport properties. <i>Acta Materialia</i> , 2022, 232, 117958.	7.9	5
7	Study on FeCr thin film for a spintronic material with negative spin polarization. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 557, 169474.	2.3	4
8	Deposition temperature dependence of thermo-spin and magneto-thermoelectric conversion in Co <sub>2</sub> MnGa films on Y <sub>3</sub> Fe <sub>5</sub> O <sub>12</sub> and Gd <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> . <i>Applied Physics Letters</i> , 2022, 120, .	3.3	2
9	Seebeck-driven transverse thermoelectric generation in on-chip devices. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 335002.	2.8	5
10	Structural insight using anomalous XRD into Mn <sub>2</sub> CoAl Heusler alloy films grown by magnetron sputtering, IBAS, and MBE techniques. <i>Acta Materialia</i> , 2022, 235, 118063.	7.9	2
11	Prediction of half-metallic gap formation and Fermi level position in Co-based Heusler alloy epitaxial thin films through anisotropic magnetoresistance effect. <i>Physical Review Materials</i> , 2022, 6, .	2.4	6
12	The effect of NiFeCr seed layer composition on the giant magnetoresistance properties of [FeCoNi/Cu] multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 560, 169562.	2.3	2
13	Enhancement of the anomalous Nernst effect in Ni/Pt superlattices. <i>Physical Review B</i> , 2021, 103, .	3.2	34
14	Seebeck-driven transverse thermoelectric generation. <i>Nature Materials</i> , 2021, 20, 463-467.	27.5	102
15	Above-room-temperature giant thermal conductivity switching in spintronic multilayers. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	18
16	Anomalous Hall and Nernst effects in ferrimagnetic Mn <sub>4</sub> N films: Possible interpretations and prospects for enhancement. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	22
17	Positive linear magnetoresistance effect in disordered $L_{Mn_2}$ epitaxial films. <i>Physical Review B</i> , 2021, 103, .	3.2	15
18	Combinatorial tuning of electronic structure and thermoelectric properties in Co <sub>2</sub> MnAl <sub>1-x</sub> Si <sub>x</sub> Weyl semimetals. <i>APL Materials</i> , 2021, 9, .	5.1	14

#	ARTICLE	IF	CITATIONS
19	Transverse thermoelectric generation using magnetic materials. Applied Physics Letters, 2021, 118, .	3.3	56
20	Elucidation of the strong effect of an interfacial monolayer on magnetoresistance in giant magnetoresistive devices with current perpendicular to the plane. Physical Review B, 2021, 103, .	3.2	8
21	Large linear sensitivity of asymmetric structured giant magnetoresistive device with metastable bcc-Cu spacer and auxiliary biquadratic coupling through Rh spacer. Journal Physics D: Applied Physics, 2021, 54, 255004.	2.8	3
22	Origin of negative anomalous Nernst thermopower in Mn-Ga ordered alloys. Applied Physics Letters, 2021, 118, .	3.3	5
23	Analysis of an all-in-plane spin-torque oscillator using injection locking to an external microwave magnetic field. Applied Physics Express, 2021, 14, 053001.	2.4	3
24	Direct observation of spin-resolved valence band electronic states from a buried magnetic layer with hard X-ray photoemission. Science and Technology of Advanced Materials, 2021, 22, 317-325.	6.1	4
25	Spin-Polarized Positronium Time-of-Flight Spectroscopy for Probing Spin-Polarized Surface Electronic States. Physical Review Letters, 2021, 126, 186401.	7.8	7
26	Effects of (Ni <sub>0.8</sub> Fe <sub>0.2</sub> ) <sub>100</sub> Å <sup>x</sup> /Cr <sub>x</sub> seed layer on microstructure, magnetic properties, and giant magnetoresistance of [FeCoNi/Cu] multilayer films. Journal of Applied Physics, 2021, 129, .	2.5	5
27	Phenomenological analysis of transverse thermoelectric generation and cooling performance in magnetic/thermoelectric hybrid systems. Journal of Applied Physics, 2021, 129, .	2.5	12
28	Systematic investigation of the effect of layer thickness on the linear sensing characteristics of asymmetric structured CoFe/Rh/CoFe/Cu/CoFe fully epitaxial CIP-GMR based magnetic sensors. Journal of Magnetism and Magnetic Materials, 2021, 538, 168321.	2.3	3
29	Prototype fabrication and performance evaluation of a thermoelectric module operating with the Nernst effect. IScience, 2021, 24, 101967.	4.1	12
30	Spin-scattering asymmetry at half-metallic-ferromagnet   ferromagnet interface. Physical Review B, 2021, 104, .	3.2	1
31	Analysis method of a spin-torque oscillator using dc resistance change during injection locking to an external microwave magnetic field. Applied Physics Letters, 2021, 119, .	3.3	3
32	Magnetic, magnetoresistive and low-frequency noise properties of tunnel magnetoresistance sensor devices with amorphous CoFeBTa soft magnetic layers. Journal Physics D: Applied Physics, 2021, 54, 095002.	2.8	10
33	Three-dimensional bulk Fermi surfaces and Weyl crossings of $\text{Co}_2\text{Mn}_2\text{Si}$ thin films underneath a protection layer. Physical Review B, 2021, 104, .		
34	Analysis of a Spin-Torque Oscillator Using Injection Locking to an External Microwave Field. , 2021, , .		0
35	Graphene/Half-Metallic Heusler Alloy: A Novel Heterostructure toward High-Performance Graphene Spintronic Devices. Advanced Materials, 2020, 32, 1905734.	21.0	16
36	Thickness dependence of degree of B2 order of polycrystalline Co <sub>2</sub> (Mn <sub>0.6</sub> Fe <sub>0.4</sub> )Ge Heusler alloy films measured by anomalous X-ray diffraction and its impacts on current-perpendicular-to-plane giant magnetoresistance properties. Scripta Materialia, 2020, 189, 63-66.	5.2	4

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37	Large spin-Hall effect in non-equilibrium binary copper alloys beyond the solubility limit. Communications Materials, 2020, 1, .	6.9	23
38	Unveiling spin-dependent unoccupied electronic states of $\text{Co}_2\text{L}$ (Ga) film via Ge (Ga) absorption spectroscopy. Physical Review B, 2020, 102, .	3.2	2
39	Spin-polarized Weyl cones and giant anomalous Nernst effect in ferromagnetic Heusler films. Communications Materials, 2020, 1, .	6.9	57
40	Fully epitaxial giant magnetoresistive devices with half-metallic Heusler alloy fabricated on poly-crystalline electrode using three-dimensional integration technology. Acta Materialia, 2020, 200, 1038-1045.	7.9	11
41	Heat flux sensing by anomalous Nernst effect in $\text{FeAl}$ thin films on a flexible substrate. Applied Physics Express, 2020, 13, 043001.	2.4	54
42	Optimization of ruthenium as a buffer layer for non-collinear antiferromagnetic $\text{Mn}_3\text{X}$ films. Journal of Applied Physics, 2020, 127, 165302.	2.5	5
43	Giant anomalous Nernst effect in the $\text{Mn}_2\text{C}$ film.	2.2	64
44	Effects of the atomic order on the half-metallic electronic structure in the $\text{Mn}_2\text{C}$ .		

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55	Epitaxial contact Andreev reflection spectroscopy of NbN/Co <sub>2</sub> FeSi layered devices. Applied Physics Letters, 2018, 112, .	3.3	7
56	Advanced CPP-GMR Spin-Valve Sensors for Narrow Reader Applications. IEEE Transactions on Magnetism, 2018, 54, 1-11.	2.1	21
57	Enhancement of current-perpendicular-to-plane giant magnetoresistive outputs by improving B2-order in polycrystalline Co <sub>2</sub> (Mn <sub>0.6</sub> Fe <sub>0.4</sub> )Ge Heusler alloy films with the insertion of amorphous CoFeBTa underlayer. Acta Materialia, 2018, 142, 49-57.	7.9	19
58	Transport properties of epitaxial films for superconductor NbN and half-metallic Heusler alloy Co <sub>2</sub> MnSi under high magnetic fields. Physica B: Condensed Matter, 2018, 536, 310-313.	2.7	10
59	The microstructural origin of the enhanced current-perpendicular-to-the-plane giant magnetoresistance by Ag/In-Zn-O/Zn spacer layer. Journal of Applied Physics, 2018, 124, .	2.5	5
60	Investigation of Gilbert damping of a tetragonally distorted ultrathin Fe <sub>0.5</sub> Co <sub>0.5</sub> epitaxial film with high magnetic anisotropy. Applied Physics Letters, 2018, 113, .	3.3	15
61	Combinatorial investigation of spin-orbit materials using spin Peltier effect. Scientific Reports, 2018, 8, 16067.	3.3	18
62	High magnetic field sensitivity in anti-ferromagnetically coupled 001-epitaxial [Co <sub>2</sub> Fe(Al <sub>0.5</sub> Si <sub>0.5</sub> )/Ag] <i>N</i> multilayers. Journal of Applied Physics, 2018, 124, .	2.5	6
63	Analysis of magnetotransport properties and microstructure in current-perpendicular-to-plane pseudo spin-valves using Co <sub>2</sub> Fe(Ga <sub>0.5</sub> Ge <sub>0.5</sub> ) Heusler alloy and Ag/Mg-Ti-O/Ag-based spacer. Journal of Applied Physics, 2018, 123, 233903.	2.5	1
64	Enhanced current-perpendicular-to-plane giant magnetoresistance by improvement of atomic order of Co <sub>2</sub> FeSi Heusler alloy film through Ag doping. AIP Advances, 2018, 8, 075230.	1.3	3
65	High frequency out-of-plane oscillation with large cone angle in mag-flip spin torque oscillators for microwave assisted magnetic recording. Applied Physics Letters, 2017, 110, .	3.3	25
66	Enhancement of L21 order and spin-polarization in Co <sub>2</sub> FeSi thin film by substitution of Fe with Ti. Applied Physics Letters, 2017, 110, .	3.3	9
67	Investigation of spin-dependent transports and microstructure in NiMnSb-based magnetoresistive devices. Applied Physics Letters, 2017, 111, 222402.	3.3	6
68	The spin Nernst effect in tungsten. Science Advances, 2017, 3, e1701503.	10.3	95
69	Layer thickness effects and microstructure of CPP-GMR spin-valves with Ag/InZnO/Zn conductive oxide-based spacer layers. , 2017, , .		2
70	Enhanced CPP-GMR effect by improved B2-order of Co <sub>2</sub> (Mn <sub>0.6</sub> Fe <sub>0.4</sub> )Ge Heusler layer deposited on amorphous CoFeBTa underlayer: A quantitative estimation of site-disordering by anomalous x-ray diffraction. , 2017, , .		1
71	Spin polarization in magnets. , 2017, , .		0
72	Current-perpendicular-to-plane giant magnetoresistive properties in Co <sub>2</sub> Mn(Ge <sub>0.75</sub> Ga <sub>0.25</sub> )/Cu <sub>2</sub> TiAl/Co <sub>2</sub> Mn(Ge <sub>0.75</sub> Ga <sub>0.25</sub> ) all-Heusler alloy pseudo spin valve. Journal of Applied Physics, 2016, 119, .	2.5	15

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73	Large enhancement of bulk spin polarization by suppressing CoMn-antisites in $\text{Co}_2\text{Mn}(\text{Ge}_{0.75}\text{Ga}_{0.25})$ Heusler alloy thin film. <i>Applied Physics Letters</i> , 2016, 108, 122404.	3.3	24
74	Realization of high quality epitaxial current-perpendicular-to-plane giant magnetoresistive pseudo spin-valves on Si(001) wafer using NiAl buffer layer. <i>APL Materials</i> , 2016, 4, 056104.	5.1	13
75	Anisotropic magnetoresistance and current-perpendicular-to-plane giant magnetoresistance in epitaxial NiMnSb-based multilayers. <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	11
76	Modelling of the Peltier effect in magnetic multilayers. <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	4
77	Enhancement of magnetoresistance by inserting thin NiAl layers at the interfaces in $\text{Co}_2\text{FeGa}_{0.5}\text{Ge}_{0.5}/\text{Ag}/\text{Co}_2\text{FeGa}_{0.5}\text{Ge}_{0.5}$ current-perpendicular-to-plane pseudo spin valves. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	59
78	Magnetoresistance effect in $\text{Fe}_{20}\text{Ni}_{80}$ /graphene/ $\text{Fe}_{20}\text{Ni}_{80}$ vertical spin valves. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	22
79	Reduction of critical current density for out-of-plane mode oscillation in a mag-flip spin torque oscillator using highly spin-polarized $\text{Co}_2\text{Fe}(\text{Ga}_{0.5}\text{Ge}_{0.5})$ spin injection layer. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	23
80	Spin polarization ratios of resistivity and density of states estimated from anisotropic magnetoresistance ratio for nearly half-metallic ferromagnets. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 108004.	1.5	19
81	Potential of thermoelectric power generation using anomalous Nernst effect in magnetic materials. <i>Scripta Materialia</i> , 2016, 111, 29-32.	5.2	78
82	Enhancement of Interfacial Spin-Dependent Scattering of $\text{Co}_{2-x}\text{Fe}(\text{Ga}_{0.5}\text{Ge}_{0.5})/\text{Ag}/\text{Co}_{2-x}\text{Fe}(\text{Ga}_{0.5}\text{Ge}_{0.5})$ Current-Perpendicular-to-Plane Giant Magnetoresistive Pseudo-Spin Valves. <i>IEEE Transactions on Magnetics</i> , 2016, 52, 1-4.	2.1	3
83	Enhancement of L2 1 order and spin-polarization of Heusler alloy $\text{Co}_2\text{MnSi}$ thin film by Ag alloying. <i>Scripta Materialia</i> , 2016, 110, 70-73.	5.2	5
84	Giant Magnetoresistive Devices with Half-Metallic Heusler Compounds. <i>Springer Series in Materials Science</i> , 2016, , 389-400.	0.6	2
85	Material dependence of anomalous Nernst effect in perpendicularly magnetized ordered-alloy thin films. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	86
86	Large magnetoresistance in current-perpendicular-to-plane pseudo spin-valves using $\text{Co}_2\text{Fe}(\text{Ga}_{0.5}\text{Ge}_{0.5})$ Heusler alloy and AgZn spacer. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	24
87	Polycrystalline CPP-GMR Pseudospin Valves Using $\langle \text{langle } \{001\} \text{angle } \rangle$ Textured $\text{Co}_{2-x}\text{Fe}(\text{Ga}_{0.5}\text{Ge}_{0.5})$ Layer Grown on a Conductive $(\text{Mg}_{0.5}\text{Ti}_{0.5})\text{O}$ Buffer Layer. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-4.	2.1	3
88	Spin torque-induced magnetization dynamics in giant magnetoresistance devices with Heusler alloy layers. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 164010.	2.8	13
89	Size dependence of Peltier cooling in ferromagnet/Au nanopillars. <i>Applied Physics Express</i> , 2015, 8, 083002.	2.4	2
90	CPP-GMR study of half-metallic full-Heusler compound $\text{Co}_2(\text{Fe},\text{Mn})\text{Si}$ . <i>Journal of the Magnetics Society of Japan</i> , 2014, 38, 45-49.	0.9	14

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91	Quantitative analysis of anisotropic magnetoresistance in Co <sub>2</sub> MnZ and Co <sub>2</sub> FeZ epitaxial thin films: A facile way to investigate spin-polarization in half-metallic Heusler compounds. Applied Physics Letters, 2014, 104, .	3.3	76
92	High power all-metal spin torque oscillator using full Heusler Co <sub>2</sub> (Fe,Mn)Si. Applied Physics Letters, 2014, 105, .	3.3	31
93	Effect of chemical ordering on 90° interlayer coupling in epitaxial Co <sup>2+</sup> /Fe/Cr/Co <sup>2+</sup> /Fe thin films. Journal of Magnetism and Magnetic Materials, 2014, 369, 211-218.	2.3	2
94	Fabrication of Fully-Epitaxial Co <sub>2</sub> MnSi/Ag/Co <sub>2</sub> MnSi Giant Magnetoresistive Devices by Elevated Temperature Deposition. IEEE Transactions on Magnetics, 2013, 49, 5464-5468.	2.1	6
95	Tunnel Magnetoresistance Effect in Tunnel Junctions with Co <sub>2</sub> MnSi Heusler Alloy Electrode and MgO Barrier. , 2013, , 355-366.		2
96	Nuclear magnetic resonance reveals structural evolution upon annealing in epitaxial Co <sub>2</sub> MnSi Heusler films. Applied Physics Letters, 2013, 102, .	3.3	14
97	High power radio frequency oscillation by spin transfer torque in a Co <sub>2</sub> MnSi layer: Experiment and macrospin simulation. Journal of Applied Physics, 2013, 113, .	2.5	15
98	Anomalous Nernst Effect in L1 <sub>0</sub> -FePt/MnGa Thermopiles for New Thermoelectric Applications. Applied Physics Express, 2013, 6, 033003.	2.4	131
99	Transport and magnetic properties of fully-epitaxial superconducting NbN/half-metallic Heusler alloy Co <sub>2</sub> MnSi bilayer films. Journal of the Magnetics Society of Japan, 2013, 37, 222-226.	0.9	3
100	Magnetization reversal analysis of a thin B2-type ordered Co <sub>50</sub> Fe <sub>50</sub> film by magnetooptic Kerr effect. Journal Physics D: Applied Physics, 2012, 45, 205001.	2.8	5
101	Thermal artifact on the spin Seebeck effect in metallic thin films deposited on MgO substrates. Journal of Applied Physics, 2012, 111, .	2.5	11
102	Observation of magnetic moments at the interface region in magnetic tunnel junctions using depth-resolved x-ray magnetic circular dichroism. Physical Review B, 2012, 85, .	3.2	12
103	Anisotropic magnetoresistance in Co <sub>2</sub> (Fe,Mn)Si Heusler epitaxial films: A fingerprint of half-metallicity. Physical Review B, 2012, 86, .	3.2	65
104	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.	2.8	12
105	Extensive study of giant magnetoresistance properties in half-metallic Co <sub>2</sub> (Fe,Mn)Si-based devices. Applied Physics Letters, 2012, 101, .	3.3	162
106	Magnetic Properties of Single Crystalline Co <sub>2</sub> MnAl Heusler Alloy Thin Films. Journal of Superconductivity and Novel Magnetism, 2012, 25, 2659-2663.	1.8	9
107	Structure determination of thin CoFe films by anomalous x-ray diffraction. Journal of Applied Physics, 2012, 112, 074903.	2.5	4
108	High-power rf oscillation induced in half-metallic Co <sub>2</sub> MnSi layer by spin-transfer torque. Applied Physics Letters, 2011, 99, .	3.3	37

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109	Spin pumping efficiency from half metallic Co <sub>2</sub> MnSi. Journal of Applied Physics, 2011, 109, 073915.	2.5	20
110	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.	1.5	1
111	Temperature dependence of spin-dependent transport properties of Co <sub>2</sub> MnSi-based current-perpendicular-to-plane magnetoresistive devices. Journal Physics D: Applied Physics, 2011, 44, 064009.	2.8	18
112	Pressure-induced half-metallic gap transformation in Co <sub>2</sub> MnSi observed by tunneling conductance spectroscopy. Physical Review B, 2011, 83, .	3.2	1
113	Spin Seebeck effect in thin films of the Heusler compound Co <sub>2</sub> MnSi. Physical Review B, 2011, 83, .	3.2	151
114	Spacer layer thickness dependence of exchange coupling in Co-enriched Co-Mn-Si/Cr/Co-Mn-Si epitaxial trilayers. Journal of Applied Physics, 2011, 110, .	2.5	2
115	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.	1.5	0
116	Interlayer Exchange Coupling in Full Heusler $\text{Co}_2\text{FeSi/Cr/Co}_2\text{FeSi}$ Epitaxial Trilayer Structures. IEEE Transactions on Magnetics, 2010, 46, 2052-2055.	2.1	5
117	Atomic ordering and magnetic properties of polycrystalline L1 <sub>0</sub> -FePd dot arrays. Physica B: Condensed Matter, 2010, 405, 3149-3153.	2.7	2
118	Chemical ordering dependence of interlayer exchange coupling in Co-Mn-Si/Cr/Co-Mn-Si trilayer structures. Physical Review B, 2010, 81, .	3.2	26
119	Optically induced magnetization dynamics and variation of damping parameter in epitaxial Co <sub>2</sub> MnSi Heusler alloy films. Physical Review B, 2010, 81, .	3.2	63
120	Fabrication of perpendicularly magnetized magnetic tunnel junctions with L1-CoPt/Co <sub>2</sub> MnSi hybrid electrode. Journal of Applied Physics, 2010, 107, .	2.5	23
121	Mechanism of large magnetoresistance in Co <sub>2</sub> MnSi with current perpendicular to the plane. Physical Review B, 2010, 82, .	3.2	191
122	Evidence of Fermi level control in a half-metallic Heusler compound Al-doping: Comparison of measurements with first-principles calculations. Physical Review B, 2010, 81, .	3.2	55
123	Co-concentration dependence of half-metallic properties in Co <sub>1-x</sub> Mn <sub>x</sub> Si epitaxial films. Applied Physics Letters, 2010, 96, 092511.	3.3	11
124	Enhancement in tunnel magnetoresistance effect by inserting CoFeB to the tunneling barrier interface in Co <sub>2</sub> MnSi/MgO/CoFe magnetic tunnel junctions. Applied Physics Letters, 2009, 94, .	3.3	25
125	Structure, exchange stiffness, and magnetic anisotropy of Co <sub>2</sub> MnAl <sub>x</sub> Si <sub>1-x</sub> Heusler compounds. Journal of Applied Physics, 2009, 106, .	2.5	42
126	Ferrimagnetism in epitaxially grown Mn <sub>2</sub> VAl Heusler alloy investigated by means of soft x-ray magnetic circular dichroism. Applied Physics Letters, 2009, 95, 222503.	3.3	25



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127	Study of ferro-antiferromagnetic transition in [001]-oriented L10 FePt1-xRh <sub>x</sub> film. Journal of Applied Physics, 2009, 106, 103928.	2.5	18
128	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. Applied Physics Letters, 2009, 94, .	3.3	70
129	Interlayer thickness dependence of 90° exchange coupling in Co <sub>2</sub> MnAl/Cr/Co <sub>2</sub> MnAl epitaxial trilayer structures. Journal of Applied Physics, 2009, 105, 07C710.	2.5	8
130	Determination of exchange constants of Heusler compounds by Brillouin light scattering spectroscopy: application to Co <sub>2</sub> MnSi. Journal Physics D: Applied Physics, 2009, 42, 084005.	2.8	47
131	Tunnel magnetoresistance effect in magnetic tunnel junctions using epitaxial Co <sub>2</sub> FeSi Heusler alloy electrode. Journal of Applied Physics, 2009, 105, .	2.5	20
132	Tunnel magnetoresistance in epitaxially grown magnetic tunnel junctions using Heusler alloy electrode and MgO barrier. Journal Physics D: Applied Physics, 2009, 42, 195004.	2.8	17
133	Improvement of structural, electronic, and magnetic properties of Co <sub>2</sub> MnSi thin films by He <sup>+</sup> irradiation. Applied Physics Letters, 2009, 94, 152508.	3.3	7
134	Temperature dependence of the interface moments in Co <sub>2</sub> MnSi thin films. Applied Physics Letters, 2008, 92, .	3.3	12
135	Biquadratic Exchange Coupling in Epitaxial Co <sub>2</sub> MnSi/Cr/Fe Trilayers. IEEE Transactions on Magnetics, 2008, 44, 2620-2623.	2.1	12
136	Large tunnel magnetoresistance in magnetic tunnel junctions using a Co <sub>2</sub> MnSi Heusler alloy electrode and a MgO barrier. Applied Physics Letters, 2008, 93, .	3.3	249
137	Evidence of local moment formation in Co-based Heusler alloys. Physical Review B, 2008, 78, .	3.2	49
138	Tunneling magnetoresistance of magnetic tunnel junctions using perpendicular magnetization L10-CoPt electrodes. Applied Physics Letters, 2008, 92, .	3.3	148
139	Nonquasiparticle States in $\text{Co}_2\text{MnSi}$ through Magnetic Tunnel Junction Spectroscopy Measurements. Physical Review Letters, 2008, 100, 086402.	7.8	98
140	Influence of the L21 ordering degree on the magnetic properties of Co <sub>2</sub> MnSi Heusler films. Journal of Applied Physics, 2008, 103, .	2.5	63
141	Magnetic second harmonic generation at the Co <sub>2</sub> MnSi/AlO <sub>x</sub> interface. Journal of Applied Physics, 2008, 103, 07D720.	2.5	2
142	Anisotropic Intrinsic Damping Constant of Epitaxial Co <sub>2</sub> MnSi Heusler Alloy Films. Japanese Journal of Applied Physics, 2007, 46, L205-L208.	1.5	75
143	Ultrafast optical modification of magnetic anisotropy and stimulated precession in an epitaxial Co <sub>2</sub> MnAl thin film. Journal of Applied Physics, 2007, 101, 09C106.	2.5	31
144	Half-metallic band structure observed in Co <sub>2</sub> MnSi-based magnetic tunnel junctions. Journal Physics D: Applied Physics, 2007, 40, 1221-1227.	2.8	21

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145	Interlayer coupling in epitaxial $\text{Co}_2\text{MnSi}/\text{Co}_2\text{MnSi}$ ( $X=\text{Cr}$ and $\text{V}$ ) trilayer structures. Journal of Physics: Conference Series, 2007, 83, 012013.	0.4	7
146	Magnetic damping constant of $\text{Co}_2\text{FeSi}$ Heusler alloy thin film. Journal of Applied Physics, 2007, 101, 09J501.	2.5	49
147	Bias voltage dependence of tunnel magnetoresistance effect in $\text{CoFeB}/\text{MgO}/\text{Co}_2\text{X}$ ( $X=\text{Fe}, \text{Mn}$ )Si magnetic tunnel junctions. Journal of Magnetism and Magnetic Materials, 2007, 310, 1926-1928.	2.3	5
148	Extremely large spin-polarization in $\text{Co}_2\text{MnSi}$ based magnetic tunnel junctions. Journal of the Magnetics Society of Japan, 2007, 31, 338-343.	0.4	18
149	Fabrication of Magnetic Tunnel Junction with $\text{Co}_2\text{MnSi}(110)$ Epitaxial Film. Journal of the Magnetics Society of Japan, 2007, 31, 89-93.	0.4	1
150	Magnetic tunnel junctions using B2-ordered $\text{Co}_2\text{MnAl}$ Heusler alloy epitaxial electrode. Applied Physics Letters, 2006, 88, 022503.	3.3	85
151	Direct observation of half-metallic energy gap in $\text{Co}_2\text{MnSi}$ by tunneling conductance spectroscopy. Applied Physics Letters, 2006, 89, 052508.	3.3	99
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