

Yuya Sakuraba

List of Publications by Year in descending order

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165
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citing authors

#	ARTICLE	IF	CITATIONS
1	Giant tunneling magnetoresistance in Co ₂ MnSi/Al-Co ₂ MnSi magnetic tunnel junctions. Applied Physics Letters, 2006, 88, 192508.	3.3	551
2	Large tunnel magnetoresistance in magnetic tunnel junctions using a Co ₂ MnSi Heusler alloy electrode and a MgO barrier. Applied Physics Letters, 2008, 93, .	3.3	249
3	Huge Spin-Polarization of L21-Ordered Co ₂ MnSi Epitaxial Heusler Alloy Film. Japanese Journal of Applied Physics, 2005, 44, L1100-L1102.	1.5	208
4	Mechanism of large magnetoresistance in $\text{Co}_{2-x}\text{Mn}_x\text{Si}$ with current perpendicular to the plane. Physical Review B, 2010, 82, .	3.2	191
5	Large Interface Spin-Asymmetry and Magnetoresistance in Fully Epitaxial Co ₂ MnSi/Ag/Co ₂ MnSi Current-Perpendicular-to-Plane Magnetoresistive Devices. Applied Physics Express, 0, 2, 063003.	2.4	165
6	Extensive study of giant magnetoresistance properties in half-metallic Co ₂ (Fe,Mn)Si-based devices. Applied Physics Letters, 2012, 101, .	3.3	162
7	Spin Seebeck effect in thin films of the Heusler compound Co ₂ MnSi. Physical Review B, 2011, 83, .	3.2	151
8	Tunneling magnetoresistance of magnetic tunnel junctions using perpendicular magnetization L10-CoPt electrodes. Applied Physics Letters, 2008, 92, .	3.3	148
9	Anomalous Nernst Effect in L1 ₀ -FePt/MnGa Thermopiles for New Thermoelectric Applications. Applied Physics Express, 2013, 6, 033003.	2.4	131
10	Large tunnel magnetoresistance in magnetic tunnel junctions using Co ₂ MnX (X = Al, Si) Heusler alloys. Journal Physics D: Applied Physics, 2006, 39, 834-841.	2.8	109
11	Seebeck-driven transverse thermoelectric generation. Nature Materials, 2021, 20, 463-467.	27.5	102
12	Direct observation of half-metallic energy gap in Co ₂ MnSi by tunneling conductance spectroscopy. Applied Physics Letters, 2006, 89, 052508.	3.3	99
13	Nonquasiparticle States in $\text{Co}_{2-x}\text{Mn}_x\text{Si}$ through Magnetic Tunnel Junction Spectroscopy Measurements. Physical Review Letters, 2008, 100, 086402.	7.8	98
14	The spin Nernst effect in tungsten. Science Advances, 2017, 3, e1701503.	10.3	95
15	Material dependence of anomalous Nernst effect in perpendicularly magnetized ordered-alloy thin films. Applied Physics Letters, 2015, 106, .	3.3	86
16	Magnetic tunnel junctions using B2-ordered Co ₂ MnAl Heusler alloy epitaxial electrode. Applied Physics Letters, 2006, 88, 022503.	3.3	85
17	Potential of thermoelectric power generation using anomalous Nernst effect in magnetic materials. Scripta Materialia, 2016, 111, 29-32.	5.2	78
18	Quantitative analysis of anisotropic magnetoresistance in Co ₂ MnZ and Co ₂ FeZ epitaxial thin films: A facile way to investigate spin-polarization in half-metallic Heusler compounds. Applied Physics Letters, 2014, 104, .	3.3	76

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19	Anisotropic Intrinsic Damping Constant of Epitaxial Co ₂ MnSi Heusler Alloy Films. Japanese Journal of Applied Physics, 2007, 46, L205-L208.	1.5	75
20	Enhancement of spin-asymmetry by L21-ordering in Co ₂ MnSi/Cr/Co ₂ MnSi current-perpendicular-to-plane magnetoresistance devices. Applied Physics Letters, 2009, 94, .	3.3	70
21	Fabrication of Co ₂ MnAl Heusler Alloy Epitaxial Film Using Cr Buffer Layer. Japanese Journal of Applied Physics, 2005, 44, 6535-6537.	1.5	68
22	Anisotropic magnetoresistance in Co ₂ (Fe,Mn)Si Heusler epitaxial films: A fingerprint of half-metallicity. Physical Review B, 2012, 86, .	3.2	65
23	Optically induced magnetization dynamics and variation of damping parameter in epitaxial Co ₂ MnSi Heusler alloy films. Physical Review B, 2010, 81, .	3.2	64
24	Influence of the L21 ordering degree on the magnetic properties of Co ₂ MnSi Heusler films. Journal of Applied Physics, 2008, 103, .	2.5	63
25	Enhancement of magnetoresistance by inserting thin NiAl layers at the interfaces in Co ₂ FeGa _{0.5} Ge _{0.5} /Ag/Co ₂ FeGa _{0.5} Ge _{0.5} current-perpendicular-to-plane pseudo spin valves. Applied Physics Letters, 2016, 108, .	3.3	59
26	Spin-polarized Weyl cones and giant anomalous Nernst effect in ferromagnetic Heusler films. Communications Materials, 2020, 1, .	6.9	57
27	Transverse thermoelectric generation using magnetic materials. Applied Physics Letters, 2021, 118, .	3.3	56
28	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
29	Heat flux sensing by anomalous Nernst effect in Fe ₂ Al thin films on a flexible substrate. Applied Physics Express, 2020, 13, 043001.	2.4	54
30	Interfacial structure and half-metallic ferromagnetism in Co ₂ MnSi-based magnetic tunnel junctions. Physical Review B, 2006, 74, .	3.2	52
31	Magnetic damping constant of Co ₂ FeSi Heusler alloy thin film. Journal of Applied Physics, 2007, 101, 09J501.	2.5	49
32	Evidence of local moment formation in Co-based Heusler alloys. Physical Review B, 2008, 78, .	3.2	49
33	Determination of exchange constants of Heusler compounds by Brillouin light scattering spectroscopy: application to Co ₂ MnSi. Journal Physics D: Applied Physics, 2009, 42, 084005.	2.8	47
34	Observation of anomalous Ettingshausen effect and large transverse thermoelectric conductivity in permanent magnets. Applied Physics Letters, 2019, 115, .	3.3	44
35	Structure, exchange stiffness, and magnetic anisotropy of Co ₂ MnAl _x Si _{1-x} Heusler compounds. Journal of Applied Physics, 2009, 106, .	2.5	42

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37	Mechanism of strong enhancement of anomalous Nernst effect in Fe by Ga substitution. <i>Physical Review Materials</i> , 2019, 3, .	2.4	42
38	High-power rf oscillation induced in half-metallic Co ₂ MnSi layer by spin-transfer torque. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	37
39	Microstructure, magnetic and transport properties of a Mn ₂ CoAl Heusler compound. <i>Acta Materialia</i> , 2019, 176, 33-42.	7.9	35
40	Enhancement of the anomalous Nernst effect in Ni/Pt superlattices. <i>Physical Review B</i> , 2021, 103, .	3.2	34
41	Ultrafast optical modification of magnetic anisotropy and stimulated precession in an epitaxial Co ₂ MnAl thin film. <i>Journal of Applied Physics</i> , 2007, 101, 09C106.	2.5	31
42	High power all-metal spin torque oscillator using full Heusler Co ₂ (Fe,Mn)Si. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	31
43	Chemical ordering dependence of interlayer exchange coupling in Co-Mn-Si/Cr/Co-Mn-Si trilayer structures. <i>Physical Review B</i> , 2010, 81, .	3.2	26
44	Enhancement in tunnel magnetoresistance effect by inserting CoFeB to the tunneling barrier interface in Co ₂ MnSi/MgO/CoFe magnetic tunnel junctions. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	25
45	Ferrimagnetism in epitaxially grown Mn ₂ VAl Heusler alloy investigated by means of soft x-ray magnetic circular dichroism. <i>Applied Physics Letters</i> , 2009, 95, 222503.	3.3	25
46	High frequency out-of-plane oscillation with large cone angle in mag-flip spin torque oscillators for microwave assisted magnetic recording. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	25
47	Large magnetoresistance in current-perpendicular-to-plane pseudo spin-valves using Co ₂ Fe(Ga _{0.5} Ge _{0.5}) Heusler alloy and AgZn spacer. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	24
48	Large enhancement of bulk spin polarization by suppressing CoMnanti-sites in Co ₂ Mn(Ge _{0.75} Ga _{0.25}) Heusler alloy thin film. <i>Applied Physics Letters</i> , 2016, 108, 122404.	3.3	24
49	Fabrication of perpendicularly magnetized magnetic tunnel junctions with L1-CoPt/Co ₂ MnSi hybrid electrode. <i>Journal of Applied Physics</i> , 2010, 107, .	2.5	23
50	Reduction of critical current density for out-of-plane mode oscillation in a mag-flip spin torque oscillator using highly spin-polarized Co ₂ Fe(Ga _{0.5} Ge _{0.5}) spin injection layer. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	23
51	Large spin-Hall effect in non-equilibrium binary copper alloys beyond the solubility limit. <i>Communications Materials</i> , 2020, 1, .	6.9	23
52	Magnetoresistance effect in Fe ₂₀ Ni ₈₀ /graphene/Fe ₂₀ Ni ₈₀ vertical spin valves. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	22
53	Anomalous Hall and Nernst effects in ferrimagnetic Mn ₄ N films: Possible interpretations and prospects for enhancement. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	22
54	Half-metallic band structure observed in Co ₂ MnSi-based magnetic tunnel junctions. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 1221-1227.	2.8	21

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55	Advanced CPP-GMR Spin-Valve Sensors for Narrow Reader Applications. IEEE Transactions on Magnetics, 2018, 54, 1-11.	2.1	21
56	Tunnel magnetoresistance effect in magnetic tunnel junctions using epitaxial Co ₂ FeSi Heusler alloy electrode. Journal of Applied Physics, 2009, 105, .	2.5	20
57	Spin pumping efficiency from half metallic Co ₂ MnSi. Journal of Applied Physics, 2011, 109, 073915.	2.5	20
58	Spin polarization ratios of resistivity and density of states estimated from anisotropic magnetoresistance ratio for nearly half-metallic ferromagnets. Japanese Journal of Applied Physics, 2016, 55, 108004.	1.5	19
59	Enhancement of current-perpendicular-to-plane giant magnetoresistive outputs by improving B2-order in polycrystalline Co ₂ (Mn _{0.6} Fe _{0.4})Ge Heusler alloy films with the insertion of amorphous CoFeB Ta underlayer. Acta Materialia, 2018, 142, 49-57.	7.9	19
60	Strain-induced Large Anomalous Nernst Effect in Polycrystalline Co ₂ MnGa/AlN Multilayers. Advanced Electronic Materials, 2022, 8, .	5.1	19
61	Study of ferro-antiferromagnetic transition in [001]-oriented L1 ₀ FePt _{1-x} Rh _x film. Journal of Applied Physics, 2009, 106, 103928.	2.5	18
62	Temperature dependence of spin-dependent transport properties of Co ₂ MnSi-based current-perpendicular-to-plane magnetoresistive devices. Journal Physics D: Applied Physics, 2011, 44, 064009.	2.8	18
63	Combinatorial investigation of spin-orbit materials using spin Peltier effect. Scientific Reports, 2018, 8, 16067.	3.3	18
64	Above-room-temperature giant thermal conductivity switching in spintronic multilayers. Applied Physics Letters, 2021, 118, .	3.3	18
65	Extremely large spin-polarization in Co ₂ MnSi based magnetic tunnel junctions. Journal of the Magnetism Society of Japan, 2007, 31, 338-343.	0.4	18
66	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
67	Inducing out-of-plane precession of magnetization for microwave-assisted magnetic recording with an oscillating polarizer in a spin-torque oscillator. Applied Physics Letters, 2019, 114, .	3.3	16
68	Graphene/Half-Metallic Heusler Alloy: A Novel Heterostructure toward High-Performance Graphene Spintronic Devices. Advanced Materials, 2020, 32, 1905734.	21.0	16
69	Tunneling spectroscopy in CoFeB/MgO/CoFeB magnetic tunnel junctions. Journal of Applied Physics, 2006, 99, 08A905.	2.5	15
70	High power radio frequency oscillation by spin transfer torque in a Co ₂ MnSi layer: Experiment and macrospin simulation. Journal of Applied Physics, 2013, 113, .	2.5	15
71	Current-perpendicular-to-plane giant magnetoresistive properties in Co ₂ Mn(Ge _{0.75} Ga _{0.25})/Cu ₂ TiAl/Co ₂ Mn(Ge _{0.75} Ga _{0.25}) all-Heusler alloy pseudo spin valve. Journal of Applied Physics, 2016, 119, .	2.5	15
72	Investigation of Gilbert damping of a tetragonally distorted ultrathin Fe _{0.5} Co _{0.5} epitaxial film with high magnetic anisotropy. Applied Physics Letters, 2018, 113, .	3.3	15

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73	Positive linear magnetoresistance effect in disordered Co_2MnSi epitaxial films. <i>Physical Review B</i> , 2021, 103, .	3.2	15
74	Nuclear magnetic resonance reveals structural evolution upon annealing in epitaxial Co_2MnSi Heusler films. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	14
75	CPP-GMR study of half-metallic full-Heusler compound $\text{Co}_2(\text{Fe},\text{Mn})\text{Si}$. <i>Journal of the Magnetism Society of Japan</i> , 2014, 38, 45-49.	0.9	14
76	Combinatorial tuning of electronic structure and thermoelectric properties in $\text{Co}_2\text{MnAl}_{1-x}\text{Si}_x$ Weyl semimetals. <i>APL Materials</i> , 2021, 9, .	5.1	14
77	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
78	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
79	Band match enhanced current-in-plane giant magnetoresistance in epitaxial $\text{Co}_{50}\text{Fe}_{50}/\text{Cu}$ multilayers with metastable bcc-Cu spacer. <i>APL Materials</i> , 2019, 7, .	5.1	13
80	Phase-transition-induced giant Thomson effect for thermoelectric cooling. <i>Applied Physics Reviews</i> , 2022, 9, .	11.3	13
81	Temperature dependence of the interface moments in Co_2MnSi thin films. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	12
82	Biquadratic Exchange Coupling in Epitaxial $\text{Co}_2\text{MnSi}/\text{Cr}/\text{Fe}$ Trilayers. <i>IEEE Transactions on Magnetism</i> , 2008, 44, 2620-2623.	2.1	12
83	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> , 2012, 85, .	3.2	12
84	Magnetic characterization of thin $\text{Co}_{50}\text{Fe}_{50}$ films by magnetooptic Kerr effect. <i>Journal Physics D: Applied Physics</i> , 2012, 45, 495002.	2.8	12
85	Phenomenological analysis of transverse thermoelectric generation and cooling performance in magnetic/thermoelectric hybrid systems. <i>Journal of Applied Physics</i> , 2021, 129, .	2.5	12
86	Prototype fabrication and performance evaluation of a thermoelectric module operating with the Nernst effect. <i>IScience</i> , 2021, 24, 101967.	4.1	12
87	Co-concentration dependence of half-metallic properties in $\text{Co}_{1-x}\text{Mn}_x\text{Si}$ epitaxial films. <i>Applied Physics Letters</i> , 2010, 96, 092511.	3.3	11
88	Thermal artifact on the spin Seebeck effect in metallic thin films deposited on MgO substrates. <i>Journal of Applied Physics</i> , 2012, 111, .	2.5	11
89	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
90	Fully epitaxial giant magnetoresistive devices with half-metallic Heusler alloy fabricated on poly-crystalline electrode using three-dimensional integration technology. <i>Acta Materialia</i> , 2020, 200, 1038-1045.	7.9	11

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91	Anisotropic lattice expansion and magnetism in sputter-deposited Ca(La)B ₆ films. Physical Review B, 2004, 69, .	3.2	10
92	Tunnel Magnetoresistance Effect in Magnetic Tunnel Junctions Using a Co ₂ MnSi(110) Electrode. Applied Physics Express, 0, 1, 021301.	2.4	10
93	Transport properties of epitaxial films for superconductor NbN and half-metallic Heusler alloy Co ₂ MnSi under high magnetic fields. Physica B: Condensed Matter, 2018, 536, 310-313.	2.7	10
94	Magnetic, magnetoresistive and low-frequency noise properties of tunnel magnetoresistance sensor devices with amorphous CoFeB/Ta soft magnetic layers. Journal Physics D: Applied Physics, 2021, 54, 095002.	2.8	10
95	Magnetic Properties of Single Crystalline Co ₂ MnAl Heusler Alloy Thin Films. Journal of Superconductivity and Novel Magnetism, 2012, 25, 2659-2663.	1.8	9
96	Enhancement of L21 order and spin-polarization in Co ₂ FeSi thin film by substitution of Fe with Ti. Applied Physics Letters, 2017, 110, .	3.3	9
97	Experimental verification of the origin of positive linear magnetoresistance in CoFe Heusler alloys. Physical Review B, 2019, 100, .	3.2	9
98	Interlayer thickness dependence of 90° exchange coupling in Co ₂ MnAl/Cr/Co ₂ MnAl epitaxial trilayer structures. Journal of Applied Physics, 2009, 105, 07C710.	2.5	8
99	Design of spin-injection-layer in all-in-plane spin-torque-oscillator for microwave assisted magnetic recording. Journal of Magnetism and Magnetic Materials, 2019, 476, 361-370.	2.3	8
100	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
101	Effects of the atomic order on the half-metallic electronic structure in the C ₂		

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109	High magnetic field sensitivity in anti-ferromagnetically coupled 001-epitaxial [Co ₂ Fe(Al _{0.5} Si _{0.5})/Ag] multilayers. Journal of Applied Physics, 2018, 124, .	2.5	6
110	Quantitative atomic order characterization of a Mn ₂ FeAl Heusler epitaxial thin film. Journal Physics D: Applied Physics, 2022, 55, 185305.	2.8	6
111	Prediction of half-metallic gap formation and Fermi level position in Co-based Heusler alloy epitaxial thin films through anisotropic magnetoresistance effect. Physical Review Materials, 2022, 6, .	2.4	6
112	Bias voltage dependence of tunnel magnetoresistance effect in CoFeB/MgO/Co ₂ X(X=Fe, Mn)Si magnetic tunnel junctions. Journal of Magnetism and Magnetic Materials, 2007, 310, 1926-1928.	2.3	5
113	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
114	Magnetization reversal analysis of a thin B2-type ordered Co ₅₀ Fe ₅₀ film by magneto-optic Kerr effect. Journal Physics D: Applied Physics, 2012, 45, 205001.	2.8	5
115	Enhancement of L ₂ 1 order and spin-polarization of Heusler alloy Co ₂ MnSi thin film by Ag alloying. Scripta Materialia, 2016, 110, 70-73.	5.2	5
116	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
117	Structure-property relationship of Co ₂ MnSi thin films in response to He ⁺ -irradiation. Scientific Reports, 2019, 9, 2766.	3.3	5
118	Optimization of ruthenium as a buffer layer for non-collinear antiferromagnetic Mn ₃ X films. Journal of Applied Physics, 2020, 127, 165302.	2.5	5
119	Origin of negative anomalous Nernst thermopower in Mn-Ga ordered alloys. Applied Physics Letters, 2021, 118, .	3.3	5
120	Effects of (Ni _{0.8} Fe _{0.2}) ₁₀₀ seed layer on microstructure, magnetic properties, and giant magnetoresistance of [FeCoNi/Cu] multilayer films. Journal of Applied Physics, 2021, 129, .	2.5	5
121	Microstructure and atomic order analyses in CoFeCrAl Heusler alloy thin films: Interpretation of spin gapless semiconductor-like transport properties. Acta Materialia, 2022, 232, 117958.	7.9	5
122	Seebeck-driven transverse thermoelectric generation in on-chip devices. Journal Physics D: Applied Physics, 2022, 55, 335002.	2.8	5
123	Structure and magnetism in nanocrystalline Ca(La)B ₆ films. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1145-1146.	2.3	4
124	Structure determination of thin CoFe films by anomalous x-ray diffraction. Journal of Applied Physics, 2012, 112, 074903.	2.5	4
125	Modelling of the Peltier effect in magnetic multilayers. Journal of Applied Physics, 2016, 119, .	2.5	4
126	Element-specific density of states of $\text{Co}_{1-x}\text{Mn}_x$ revealed by resonant photoelectron spectroscopy. Physical Review B, 2019, 100, .		

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127	Improved current-perpendicular-to-plane giant magnetoresistance outputs by heterogeneous Ag-In:Mn-Zn-O nanocomposite spacer layer prepared from Ag-In-Zn-O precursor. Journal of Applied Physics, 2019, 126, .	2.5	4
128	Thickness dependence of degree of B2 order of polycrystalline Co ₂ (Mn _{0.6} Fe _{0.4})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
129	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
130	Three-dimensional bulk Fermi surfaces and Weyl crossings of Co_2MnSi thin films underneath a protection layer. Physical Review B, 2021, 104, .	8.4	3
131	Study on FeCr thin film for a spintronic material with negative spin polarization. Journal of Magnetism and Magnetic Materials, 2022, 557, 169474.	2.3	4
132	Polycrystalline CPP-GMR Pseudospin Valves Using $\langle 001 \rangle$ Textured $\text{Co}_2\text{Fe}(\text{Ga}_{0.5}\text{Ge}_{0.5})$ Layer Grown on a Conductive $(\text{Mg}_{0.5}\text{Ti}_{0.5})\text{O}$ Buffer Layer. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	3
133	Enhancement of Interfacial Spin-Dependent Scattering of $\text{Co}_2\text{Fe}(\text{Ga}_{0.5}\text{Ge}_{0.5})/\text{Ag}/\text{Co}_2\text{Fe}(\text{Ga}_{0.5}\text{Ge}_{0.5})$ Current-Perpendicular-to-Plane Giant Magnetoresistive Pseudo-Spin Valves. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	3
134	Enhanced current-perpendicular-to-plane giant magnetoresistance by improvement of atomic order of Co_2FeSi Heusler alloy film through Ag doping. AIP Advances, 2018, 8, 075230.	1.3	3
135	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
136	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
137	Systematic investigation of the effect of layer thickness on the linear sensing characteristics of asymmetric structured $\text{CoFe}/\text{Rh}/\text{CoFe}/\text{Cu}/\text{CoFe}$ fully epitaxial CIP-GMR based magnetic sensors. Journal of Magnetism and Magnetic Materials, 2021, 538, 168321.	2.3	3
138	Transport and magnetic properties of fully-epitaxial superconducting NbN/half-metallic Heusler alloy Co_2MnSi bilayer films. Journal of the Magnetics Society of Japan, 2013, 37, 222-226.	0.9	3
139	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
140	Fabrication of Co_2FeSi Heusler-alloy epitaxial film on NbN epilayer with improved surface morphology. Thin Solid Films, 2022, 745, 139084.	1.8	3
141	Magnetic second harmonic generation at the $\text{Co}_2\text{MnSi}/\text{AlO}_x$ interface. Journal of Applied Physics, 2008, 103, 07D720.	2.5	2
142	Atomic ordering and magnetic properties of polycrystalline L1 ₀ -FePd dot arrays. Physica B: Condensed Matter, 2010, 405, 3149-3153.	2.7	2
143	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
144	Tunnel Magnetoresistance Effect in Tunnel Junctions with Co_2MnSi Heusler Alloy Electrode and MgO Barrier. , 2013, , 355-366.		2

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145	Effect of chemical ordering on 90° interlayer coupling in epitaxial Co ₂ Fe/Cr/Co ₂ Fe thin films. Journal of Magnetism and Magnetic Materials, 2014, 369, 211-218.	2.3	2
146	Size dependence of Peltier cooling in ferromagnet/Au nanopillars. Applied Physics Express, 2015, 8, 083002.	2.4	2
147	Layer thickness effects and microstructure of CPP-GMR spin-valves with Ag/InZnO/Zn conductive oxide-based spacer layers. , 2017, , .		2
148	Unveiling spin-dependent unoccupied electronic states of Co ₂ (Ga) film via Ge (Ga) L _{2,3} absorption spectroscopy. Physical Review B, 2020, 102, .	3.2	2
149	Giant Magnetoresistive Devices with Half-Metallic Heusler Compounds. Springer Series in Materials Science, 2016, , 389-400.	0.6	2
150	Deposition temperature dependence of thermo-spin and magneto-thermoelectric conversion in Co ₂ MnGa films on Y ₃ Fe ₅ O ₁₂ and Gd ₃ Ga ₅ O ₁₂ . Applied Physics Letters, 2022, 120, .	3.3	2
151	Structural insight using anomalous XRD into Mn ₂ CoAl Heusler alloy films grown by magnetron sputtering, IBAS, and MBE techniques. Acta Materialia, 2022, 235, 118063.	7.9	2
152	The effect of NiFeCr seed layer composition on the giant magnetoresistance properties of [FeCoNi/Cu] multilayers. Journal of Magnetism and Magnetic Materials, 2022, 560, 169562.	2.3	2
153	Preparation of Highly-Oriented Co ₂ 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
154	Pressure-induced half-metallic gap transformation in Co ₂ MnSi observed by tunneling conductance spectroscopy. Physical Review B, 2011, 83, .	3.2	1
155	Enhanced CPP-GMR effect by improved B ₂ -order of Co ₂ (Mn _{0.6} Fe _{0.4})Ge Heusler layer deposited on amorphous CoFeB/Ta underlayer: A quantitative estimation of site-disordering by anomalous x-ray diffraction. , 2017, , .		1
156	Analysis of magnetotransport properties and microstructure in current-perpendicular-to-plane pseudo spin-valves using Co ₂ Fe(Ga _{0.5} Ge _{0.5}) Heusler alloy and Ag/Mg-Ti-O/Ag-based spacer. Journal of Applied Physics, 2018, 123, 233903.	2.5	1
157	Fabrication of Magnetic Tunnel Junction with Co ₂ MnSi(110) Epitaxial Film. Journal of the Magnetics Society of Japan, 2007, 31, 89-93.	0.4	1
158	Spin-scattering asymmetry at half-metallic-ferromagnet ferromagnet interface. Physical Review B, 2021, 104, .	3.2	1
159	Analysis of current-in-plane giant magnetoresistance using Co ₂ FeAl _{0.5} Si _{0.5} half-metallic Heusler alloy. Journal Physics D: Applied Physics, 0, , .	2.8	1
160	Fabrication of Heusler-type Co ₂ /MnAl epitaxial films by using sputtering method. , 2005, , .		0
161	Preparation of Highly-Oriented Co ₂ 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
162	Spin polarization in magnets. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
163	Analysis of a Spin-Torque Oscillator Using Injection Locking to an External Microwave Field. , 2021, , .		0
164	Epitaxial all-bcc-Co50Fe50/Cu/Co50Fe50 current-in-plane giant magnetoresistive spin-valves on Si(001) substrate. Journal of Magnetism and Magnetic Materials, 2022, 551, 169154.	2.3	0