

Hiroaki Sukegawa

List of Publications by Year in descending order

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5381
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#	ARTICLE	IF	CITATIONS
1	Enhanced tunnel magnetoresistance in Fe/MgAl ₂ O ₄ /Fe(001) magnetic tunnel junctions. Applied Physics Letters, 2022, 120, .	1.5	9
2	Propagating backward-volume spin waves in epitaxial Fe films. AIP Advances, 2022, 12, .	0.6	3
3	Large magnetocapacitance beyond 420% in epitaxial magnetic tunnel junctions with an MgAl ₂ O ₄ barrier. Scientific Reports, 2022, 12, 7190.	1.6	5
4	Heusler alloys for spintronic devices: review on recent development and future perspectives. Science and Technology of Advanced Materials, 2021, 22, 235-271.	2.8	171
5	Growth, strain, and spin-orbit torques in epitaxial Ni-Mn-Sb films sputtered on GaAs. Physical Review Materials, 2021, 5, .	0.9	3
6	Exceeding 400% tunnel magnetoresistance at room temperature in epitaxial Fe/MgO/Fe(001) spin-valve-type magnetic tunnel junctions. Applied Physics Letters, 2021, 118, .	1.5	27
7	Magnetization switching induced by spin-orbit torque from Co ₂ MnGa magnetic Weyl semimetal thin films. Applied Physics Letters, 2021, 118, 062402.	1.5	25
8	Interfacial giant tunnel magnetoresistance and bulk-induced large perpendicular magnetic anisotropy in (111)-oriented junctions with fcc ferromagnetic alloys: A first-principles study. Physical Review B, 2021, 103, .	1.1	14
9	Quantum-well tunneling anisotropic magnetoresistance above room temperature. Physical Review B, 2021, 103, .	1.1	0
10	Spin Hall effect in a spin-1 chiral semimetal. Physical Review Research, 2021, 3, .	1.3	15
11	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.	1.3	10
12	Revisiting Fe/MgO/Fe(001): Giant tunnel magnetoresistance up to ~420% at room temperature. , 2021, , .		1
13	Strain Engineering of Magnetic Anisotropy in Epitaxial Films of Cobalt Ferrite. Advanced Materials Interfaces, 2021, 8, .	1.9	5
14	Comparative study of spin-dependent transport in Co ₂ FeAl/MgAl ₂ O ₄ /CoFe magnetic tunnel junctions with and without thin CoFe interface insertion: an elastic and inelastic scattering model analysis. Journal Physics D: Applied Physics, 2020, 53, 045001.	1.3	6
15	Controlling oxygen distribution of an MgAl ₂ O ₄ barrier for magnetic tunnel junctions by two-step process. Applied Physics Letters, 2020, 117, 122409.	1.5	5
16	Spin-Resolved Contribution to Perpendicular Magnetic Anisotropy and Gilbert Damping in Interface-Engineered Fe/MgAl ₂ O ₄ Heterostructures. Physical Review Applied, 2020, 14, .	1.5	10
17	Study of Induced Magnetic Anisotropy by Lattice Distortion in Cobalt Ferrite Thin Film Grown on (Mg,Sn) ₃ O ₄ Buffer Layers. IEEE Transactions on Magnetics, 2020, 56, 1-4.	1.2	3
18	Effect of tungsten doping on perpendicular magnetic anisotropy and its voltage effect in single crystal Fe/MgO(0%0%1) interfaces. Journal Physics D: Applied Physics, 2020, 53, 124001.	1.3	5

#	ARTICLE	IF	CITATIONS
19	Realizing Room-Temperature Resonant Tunnel Magnetoresistance in Cr/Fe/MgAl ₂ O ₄ Quasi-Quantum Well Structures. <i>Advanced Science</i> , 2019, 6, 1901438.	5.6	4
20	Towards Oxide Electronics: a Roadmap. <i>Applied Surface Science</i> , 2019, 482, 1-93.	3.1	236
21	Perpendicular orbital and quadrupole anisotropies at Fe/MgO interfaces detected by x-ray magnetic circular and linear dichroisms. <i>Applied Physics Letters</i> , 2019, 115, 252402.	1.5	11
22	Investigation of ramped voltage stress to screen defective magnetic tunnel junctions. <i>Semiconductor Science and Technology</i> , 2018, 33, 015006.	1.0	1
23	Giant tunnel magnetoresistance in polycrystalline magnetic tunnel junctions with highly textured MgAl ₂ O ₄ (001) based barriers. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	19
24	Microstructural evolution of perpendicular magnetization films with an ultra-thin Co ₂ FeAl/MgAl ₂ O ₄ (001) structure. <i>Acta Materialia</i> , 2018, 145, 306-315.	3.8	15
25	Control of Magnetic Anisotropy by Lattice Distortion in Cobalt Ferrite Thin Film. <i>IEEE Transactions on Magnetics</i> , 2018, 54, 1-4.	1.2	15
26	Large perpendicular magnetic anisotropy in epitaxial Fe/MgAl ₂ O ₄ (001) heterostructures. <i>Applied Physics Express</i> , 2018, 11, 063008.	1.1	24
27	Optical and Magnetic Properties of Fluorescent Ammonium Silicon Fluoride Microparticles with Magnetic Function. <i>Journal of the Illuminating Engineering Institute of Japan (Shomei Gakkai Shi)</i> , 2018, 102, 215-219.	0.1	0
28	Effect of Mg-Al insertion on magnetotransport properties in epitaxial Fe/sputter-deposited MgAl ₂ O ₄ /Fe(001) magnetic tunnel junctions. <i>AIP Advances</i> , 2017, 7, .	0.6	5
29	Voltage control of magnetic anisotropy in epitaxial Ru/Co ₂ FeAl/MgO heterostructures. <i>Scientific Reports</i> , 2017, 7, 45026.	1.6	40
30	Interdiffusion in epitaxial ultrathin Co ₂ FeAl/MgO heterostructures with interface-induced perpendicular magnetic anisotropy. <i>Applied Physics Express</i> , 2017, 10, 013003.	1.1	22
31	Perpendicular magnetic anisotropy at lattice-matched Co ₂ FeAl/MgAl ₂ O ₄ (001) epitaxial interfaces. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	23
32	Time-dependent dielectric breakdown of MgO magnetic tunnel junctions and novel test method. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 04CN02.	0.8	8
33	MgGa ₂ O ₄ spinel barrier for magnetic tunnel junctions: Coherent tunneling and low barrier height. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	27
34	TDDDB modeling depending on interfacial conditions in magnetic tunnel junctions. <i>Semiconductor Science and Technology</i> , 2017, 32, 105007.	1.0	4
35	Nonlinear electric field effect on perpendicular magnetic anisotropy in Fe/MgO interfaces. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 40LT04.	1.3	25
36	Reliability of magnetic tunnel junctions with a spinel MgAl ₂ O ₄ film. <i>Electronics Letters</i> , 2017, 53, 119-121.	0.5	1

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37	Increased magnetic damping in ultrathin films of Co ₂ FeAl with perpendicular anisotropy. Applied Physics Letters, 2017, 110, .	1.5	20
38	Spin-wave propagation in cubic anisotropic materials. NPC Asia Materials, 2017, 9, e392-e392.	3.8	24
39	Endurance of magnetic tunnel junctions under dynamic voltage stress. Electronics Letters, 2017, 53, 1146-1148.	0.5	1
40	Epitaxial magnetic tunnel junctions with a low barrier height spinel MgGa ₂ O ₄ , 2017, .		0
41	Realization of high quality epitaxial current-perpendicular-to-plane giant magnetoresistive pseudo spin-valves on Si(001) wafer using NiAl buffer layer. APL Materials, 2016, 4, 056104.	2.2	13
42	Spin-orbit torque in Cr/CoFeAl/MgO and Ru/CoFeAl/MgO epitaxial magnetic heterostructures. AIP Advances, 2016, 6, .	0.6	29
43	Tuning the magnetic properties and surface morphology of Mn_3Ga films with high perpendicular magnetic anisotropy by N doping. Applied Physics Letters, 2016, 109, .	1.5	9
44	Anisotropic magnetoresistance and current-perpendicular-to-plane giant magnetoresistance in epitaxial NiMnSb-based multilayers. Journal of Applied Physics, 2016, 119, .	1.1	11
45	MgAl ₂ O ₄ (001) based magnetic tunnel junctions made by direct sputtering of a sintered spinel target. Applied Physics Letters, 2016, 108, .	1.5	39
46	Temperature dependence of reliability characteristics for magnetic tunnel junctions with a thin MgO dielectric film. Semiconductor Science and Technology, 2016, 31, 075004.	1.0	8
47	Effect of Mg insertion on time-dependent dielectric breakdown in MgO-based magnetic tunnel junctions. Electronics Letters, 2016, 52, 1037-1039.	0.5	5
48	Chemical ordering and large tunnel magnetoresistance in Co ₂ FeAl/MgAl ₂ O ₄ /Co ₂ FeAl(001) junctions. Applied Physics Express, 2016, 9, 053004.	1.1	51
49	Li-substituted MgAl ₂ O ₄ barriers for spin-dependent coherent tunneling. Japanese Journal of Applied Physics, 2016, 55, 110310.	0.8	3
50	Degradation Characteristics of MgO Based Magnetic Tunnel Junction Caused by Surface Roughness of Ta/Ru Buffer Layers. Journal of Nanoscience and Nanotechnology, 2016, 16, 654-657.	0.9	2
51	Effect of Mg insertion on stress-induced resistance drift in MgO-based magnetic tunnel junctions. Electronics Letters, 2016, 52, 531-533.	0.5	9
52	Tunnel Magnetoresistance of Ferromagnetic Antiperovskite MnGaN/MgO/CoFeB Perpendicular Magnetic Tunnel Junctions. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	4
53	Influence of inverse spin Hall effect in spin-torque ferromagnetic resonance measurements. Applied Physics Express, 2016, 9, 023002.	1.1	49
54	Perpendicularly magnetized (001)-textured Mn_3Ga films grown on an (Mg _{0.2} Ti _{0.8})O buffer with thermally oxidized Si substrates. Journal of Applied Physics, 2015, 118, .	1.1	6

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55	Order parameters and magnetocrystalline anisotropy of off-stoichiometric $\text{D}_{22}\text{Mn}_{2.36}\text{Ga}$ epitaxial films grown on MgO (001) and SrTiO ₃ (001). Journal of Applied Physics, 2015, 118, .	1.1	7
56	Ferromagnetic MnGaN thin films with perpendicular magnetic anisotropy for spintronics applications. Applied Physics Letters, 2015, 107, .	1.5	11
57	Roadmap for Emerging Materials for Spintronic Device Applications. IEEE Transactions on Magnetics, 2015, 51, 1-11.	1.2	179
58	Electrical manipulation of magnetization switching in Co_2FeAl alloy based magnetic tunnel junctions with in-plane and perpendicular magnetization. , 2015, , .		0
59	SPIN TRANSFER TORQUE SWITCHING AND PERPENDICULAR MAGNETIC ANISOTROPY IN FULL HEUSLER ALLOY Co_2FeAl -BASED TUNNEL JUNCTIONS. Spin, 2014, 04, 1440023.	0.6	8
60	Lattice-matched magnetic tunnel junctions using a Heusler alloy Co_2FeAl and a cation-disorder spinel Mg-Al-O barrier. Applied Physics Letters, 2014, 105, .	1.5	37
61	Modulation of effective damping constant using spin Hall effect. Applied Physics Letters, 2014, 104, 092408.	1.5	37
62	Interface perpendicular magnetic anisotropy in $\text{Fe}/\text{MgAl}_2\text{O}_4$ layered structures. Physica Status Solidi - Rapid Research Letters, 2014, 8, 841-844.	1.2	11
63	Quantitative analysis of anisotropic magnetoresistance in Co_2MnZ and Co_2FeZ epitaxial thin films: A facile way to investigate spin-polarization in half-metallic Heusler compounds. Applied Physics Letters, 2014, 104, .	1.5	76
64	Post-oxidized Mg-Al-O(001) coherent tunneling barrier in a wide range of resistance-area products. Applied Physics Letters, 2014, 105, .	1.5	27
65	Magnetotransport properties in perpendicularly magnetized tunnel junctions using an ultrathin Fe electrode. Journal Physics D: Applied Physics, 2014, 47, 322001.	1.3	3
66	Size-Tunable Magnetofluorescent Nanoparticles as In Vivo Imaging. Materials Research Society Symposia Proceedings, 2014, 1660, 7.	0.1	0
67	Perpendicular magnetic anisotropy at the interface between ultrathin Fe film and MgO studied by angular-dependent x-ray magnetic circular dichroism. Applied Physics Letters, 2014, 105, .	1.5	77
68	A 4-fold Symmetry Hexagonal Ruthenium for Magnetic Heterostructures Exhibiting Enhanced Perpendicular Magnetic Anisotropy and Tunnel Magnetoresistance. Advanced Materials, 2014, 26, 6483-6490.	11.1	76
69	Synthesis of porous iron oxide microspheres by a double hydrophilic block copolymer. RSC Advances, 2014, 4, 9986.	1.7	15
70	Tunnel Magnetoresistance and Spin-Transfer-Torque Switching in Polycrystalline Co_2MnSi Magnetic Tunnel Junctions on Amorphous SiO_2	1.5	40
71	Fabrication of pseudo-spin-MOSFETs using a multi-project wafer CMOS chip. Solid-State Electronics, 2014, 102, 52-58.	0.8	8
72	Effect of an interface Mg insertion layer on the reliability of a magnetic tunnel junction based on a Co_2FeAl full-Heusler alloy. Journal of the Korean Physical Society, 2014, 64, 1144-1149.	0.3	3

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73	Thickness dependence of spin torque ferromagnetic resonance in Co ₇₅ Fe ₂₅ /Pt bilayer films. Applied Physics Letters, 2014, 104, .	1.5	78
74	Direct Synthesis of MOF-Derived Nanoporous Carbon with Magnetic Co Nanoparticles toward Efficient Water Treatment. Small, 2014, 10, 2096-2107.	5.2	588
75	Low-resistive monocrystalline Mg-Al-O barrier magnetic tunnel junctions for spin-transfer magnetization switching. Applied Physics Letters, 2013, 103, .	1.5	32
76	Temperature dependence of magnetoresistive output of pseudo spin valves with Co ₂ Fe(Al _{1-x} Si _x) Heusler alloys and a Ag spacer. Journal of Applied Physics, 2013, 114, .	1.1	12
77	Large perpendicular magnetic anisotropy at Fe/MgO interface. Applied Physics Letters, 2013, 103, .	1.5	100
78	Monolithic integration of pseudo-spin-MOSFETs using a custom CMOS chip fabricated through multi-project wafer service. , 2013, , .		4
79	Co ₂ Fe(Al _{1-x} Si _x) Heusler Alloys and Their Applications to Spintronics. , 2013, , 303-330.		0
80	Large anisotropic Fe orbital moments in perpendicularly magnetized Co ₂ FeAl Heusler alloy thin films revealed by angular-dependent x-ray magnetic circular dichroism. Applied Physics Letters, 2013, 103, .	1.5	36
81	Magnetic Tunnel Junctions with Perpendicular Anisotropy Using a Co ₂ FeAl Full-Heusler Alloy. Applied Physics Express, 2012, 5, 063003.	1.1	55
82	Spin Polarimetry and Magnetic Dichroism on a Buried Magnetic Layer Using Hard X-ray Photoelectron Spectroscopy. Japanese Journal of Applied Physics, 2012, 51, 016602.	0.8	6
83	Design and performance of pseudo-spin-MOSFETs using nano-CMOS devices. , 2012, , .		13
84	Co NMR experiment as a probe of electron doping in Co ₂ FeAl Heusler alloy thin films. Applied Physics Letters, 2012, 101, 102410.	1.1	21
85	Evaluation of Spin Hall Angle and Spin Diffusion Length by Using Spin Current-Induced Ferromagnetic Resonance. Applied Physics Express, 2012, 5, 073002.	1.1	138
86	Enhanced tunnel magnetoresistance in a spinel oxide barrier with cation-site disorder. Physical Review B, 2012, 86, .	1.1	77
87	The effect of interfaces on magnetic activation volumes in single crystal Co ₂ FeSi Heusler alloy thin films. Applied Physics Letters, 2012, 101, 102410.	1.5	7
88	Spin-transfer switching in full-Heusler Co ₂ FeAl-based magnetic tunnel junctions. Applied Physics Letters, 2012, 100, .	1.5	45
89	Synthesis of Prussian Blue Nanoparticles with a Hollow Interior by Controlled Chemical Etching. Angewandte Chemie - International Edition, 2012, 51, 984-988.	7.2	424
90	Signature of Coherent Transport in Epitaxial Spinel-Based Magnetic Tunnel Junctions Probed by Shot Noise Measurement. Applied Physics Express, 2012, 5, 053003.	1.1	11

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91	Spin Polarimetry and Magnetic Dichroism on a Buried Magnetic Layer Using Hard X-ray Photoelectron Spectroscopy. Japanese Journal of Applied Physics, 2012, 51, 016602.	0.8	5
92	Fully epitaxial Fe/MgO/Fe(001) junctions with nonmagnetic metal layer insertion. Journal of Applied Physics, 2011, 109, 07C726.	1.1	1
93	Size-Tunable Silicon/Iron Oxide Hybrid Nanoparticles with Fluorescence, Superparamagnetism, and Biocompatibility. Journal of the American Chemical Society, 2011, 133, 18626-18633.	6.6	55
94	Perpendicular magnetization of Co ₂ FeAl full-Heusler alloy films induced by MgO interface. Applied Physics Letters, 2011, 98, .	1.5	119
95	Magnetic dichroism in angle-resolved hard x-ray photoemission from buried layers. Physical Review B, 2011, 84, .	1.1	28
96	Bi-quadratic interlayer exchange coupling in Co ₂ MnSi/Ag/Co ₂ MnSi pseudo spin-valve. Journal of Applied Physics, 2011, 110, .	1.1	8
97	Sophisticated Crystal Transformation of a Coordination Polymer into Mesoporous Monocrystalline Tiâ€Feâ€Based Oxide with Roomâ€temperature Ferromagnetic Behavior. Chemistry - an Asian Journal, 2011, 6, 3195-3199.	1.7	18
98	Effect of annealing on Co<math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>FeAl<math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>0</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>FeAl<math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>5</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>	1.1	46
99	Correlation between symmetry-selective transport and spin-dependent resonant tunneling in fully epitaxial Cr/ultrathin-Fe/MgO/Fe(001) magnetic tunnel junctions. Applied Physics Letters, 2011, 99, 182508.	1.5	4
100	Tunnel magnetoresistance in textured Co ₂ FeAl/MgO/CoFe magnetic tunnel junctions on a Si/SiO ₂ amorphous substrate. Applied Physics Letters, 2011, 98, .	1.5	35
101	Spin Dynamics of B2 and L2₁-Ordered Co₂FeAl_{0.5}Si_{0.5} Heusler Alloy Films. Chinese Physics Letters, 2011, 28, 067501.	1.3	5
102	Crystallinity and Transport Properties in Fe/MgAl ₂ O ₄ /Fe (001) Epitaxial Magnetic Tunnel Junctions. Journal of the Magnetism Society of Japan, 2011, 35, 254-259.	0.5	4
103	Interfacial structure and magnetic properties of Co ₂ FeAl _{0.5} Si _{0.5} /MgO heterostructures. Journal of Applied Physics, 2010, 107, 103919.	1.1	11
104	Spin-transfer switching in an epitaxial spin-valve nanopillar with a full-Heusler Co ₂ FeAl _{0.5} Si _{0.5} alloy. Applied Physics Letters, 2010, 96, .	1.5	47
105	Structure and transport properties of current-perpendicular-to-plane spin valves using Co ₂ FeAl _{0.5} Si _{0.5} and Co ₂ MnSi Heusler alloy electrodes. Journal of Applied Physics, 2010, 107, .	1.1	31
106	Coherent tunneling and giant tunneling magnetoresistance in<math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></math> tunneling junctions. Physical Review B, 2010, 81, 045411.	1.1	139
107	Coherent tunneling and giant tunneling magnetoresistance in<math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></math> tunneling junctions. Physical Review B, 2010, 81, 045411.	1.1	18
108	Temperature dependence of tunneling magnetoresistance in epitaxial magnetic tunnel junctions using a<math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></math> alloy electrode. Physical Review B, 2010, 82, .	1.1	79

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109	Bulk and interfacial scatterings in current-perpendicular-to-plane giant magnetoresistance with Co ₂ Fe(A _{0.5} Si _{0.5}) Heusler alloy layers and Ag spacer. Applied Physics Letters, 2010, 96, .	1.5	143
110	Current-perpendicular-to-plane spin valves with a Co ₂ Mn(Ga _{0.5} Sn _{0.5}) Heusler alloy. Journal of Applied Physics, 2010, 108, 093916.	1.1	23
111	Tunnel magnetoresistance with improved bias voltage dependence in lattice-matched Fe/spinel MgAl ₂ O ₄ /Fe(001) junctions. Applied Physics Letters, 2010, 96, .	1.5	102
112	Perpendicular Magnetic Anisotropy of Co ₂ FeAl/Pt Multilayers for Spintronic Devices. Applied Physics Express, 2010, 3, 093002.	1.1	31
113	Aerosol-Assisted Synthesis of Thiol-Functionalized Mesoporous Silica Spheres with Fe ₃ O ₄ Nanoparticles. Journal of Nanoscience and Nanotechnology, 2010, 10, 6612-6617.	0.9	12
114	A New Spin-Functional Metal-Oxide Semiconductor Field-Effect Transistor Based on Magnetic Tunnel Junction Technology: Pseudo-Spin-MOSFET. Applied Physics Express, 2010, 3, 013003.	1.1	31
115	Structure and spin polarization of outermost surface of the $\text{Co}_{2/7}\text{Mn}_{7/7}\text{Mg}_{1/7}\text{Si}_{1/7}$ alloy studied by spin-polarized. Physical Review B, 2009, 79, .	1.1	7
116	Demonstration of Half-Metallicity in Fermi-Level-Tuned Heusler Alloy $\text{Co}_{2/2}\text{FeAl}_{2/238}$ at Room Temperature. Physical Review Letters, 2009, 102, 246601.	2.9	238
117	Spin-polarized tunneling spectroscopy of fully epitaxial magnetic tunnel junctions using $\text{Co}_{2/42}\text{Mn}_{42/42}\text{Mg}_{1/42}\text{Si}_{1/42}$ alloy e. Physical Review B, 2009, 79, .	1.1	42
118	Current-perpendicular-to-plane giant magnetoresistance of a spin valve using Co ₂ MnSi Heusler alloy electrodes. Journal of Applied Physics, 2009, 105, .	1.1	46
119	Ferromagnetic Mesostructured Alloys: Design of Ordered Mesostructured Alloys with Multicomponent Metals from Lyotropic Liquid Crystals. Angewandte Chemie - International Edition, 2009, 48, 7792-7797.	7.2	37
120	Giant tunneling magnetoresistance up to 330% at room temperature in sputter deposited Co ₂ FeAl/MgO/CoFe magnetic tunnel junctions. Applied Physics Letters, 2009, 95, .	1.5	156
121	Hard x-ray photoelectron spectroscopy of buried Heusler compounds. Journal Physics D: Applied Physics, 2009, 42, 084010.	1.3	18
122	Tunnel Magnetoresistance in Full-Heusler Co ₂ FeAl _{0.5} Si _{0.5} -Based Magnetic Tunnel Junctions. Journal of the Magnetics Society of Japan, 2009, 33, 256-261.	0.5	1
123	Current-perpendicular-to-plane giant magnetoresistance in spin-valve structures using epitaxial Co ₂ FeAl _{0.5} Si _{0.5} /Ag/Co ₂ FeAl _{0.5} Si _{0.5} trilayers. Applied Physics Letters, 2008, 93, .	1.5	157
124	Large tunnel magnetoresistance in Co ₂ FeAl _{0.5} Si _{0.5} •MgO•Co ₂ FeAl _{0.5} Si _{0.5} magnetic tunnel junctions prepared on thermally oxidized Si substrates with MgO buffer. Applied Physics Letters, 2008, 93, 182504.	1.5	25
125	Preparation and characterization of highly L ₂₁ -ordered full-Heusler alloy Co ₂ FeAl _{0.5} Si _{0.5} thin films for spintronics device applications. Applied Physics Letters, 2008, 92, .	1.5	51
126	Fabrication of fully epitaxial magnetic tunnel junctions using L ₂₁ -ordered Co ₂ FeAl _{0.5} Si _{0.5} electrodes and their tunneling magnetoresistance characteristics. Applied Physics Letters, 2008, 93, 122506.	1.5	28

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127	Magnetic transport mechanism in double ferromagnetic tunnel junctions with two-dimensional ferromagnetic particles. IEEE Transactions on Magnetics, 2005, 41, 2679-2681.	1.2	2
128	Tunnel magnetoresistance enhancement in ferromagnetic tunnel junctions with ferromagnetic nano-particle layer insertion. , 2005, , .		0
129	Significant Magnetoresistance Enhancement due to a Cotunneling Process in a Double Tunnel Junction with Single Discontinuous Ferromagnetic Layer Insertion. Physical Review Letters, 2005, 94, 068304.	2.9	46
130	Magnetic switching properties of magnetic tunnel junctions using a synthetic ferrimagnet free layer. Journal of Applied Physics, 2004, 95, 3745-3748.	1.1	19
131	Magnetoresistance of Magnetic Double Tunnel Junctions. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2004, 68, 74-77.	0.2	3