

# Hiroaki Sukegawa

## List of Publications by Year in descending order

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131  
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times ranked

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#	ARTICLE	IF	CITATIONS
1	Direct Synthesis of MOF-Derived Nanoporous Carbon with Magnetic Co Nanoparticles toward Efficient Water Treatment. <i>Small</i> , 2014, 10, 2096-2107.	5.2	588
2	Synthesis of Prussian Blue Nanoparticles with a Hollow Interior by Controlled Chemical Etching. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 984-988.	7.2	424
3	Demonstration of Half-Metallicity in Fermi-Level-Tuned Heusler Alloy $\text{Co}_2\text{FeAl}$ at Room Temperature. <i>Physical Review Letters</i> , 2009, 102, 246601.	2.9	238
4	Towards Oxide Electronics: a Roadmap. <i>Applied Surface Science</i> , 2019, 482, 1-93.	3.1	236
5	Roadmap for Emerging Materials for Spintronic Device Applications. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-11.	1.2	179
6	Heusler alloys for spintronic devices: review on recent development and future perspectives. <i>Science and Technology of Advanced Materials</i> , 2021, 22, 235-271.	2.8	171
7	Current-perpendicular-to-plane giant magnetoresistance in spin-valve structures using epitaxial $\text{Co}_2\text{FeAl}_{0.5}\text{Si}_{0.5}/\text{Ag}/\text{Co}_2\text{FeAl}_{0.5}\text{Si}_{0.5}$ trilayers. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	157
8	Giant tunneling magnetoresistance up to 330% at room temperature in sputter deposited $\text{Co}_2\text{FeAl}/\text{MgO}/\text{CoFe}$ magnetic tunnel junctions. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	156
9	Bulk and interfacial scatterings in current-perpendicular-to-plane giant magnetoresistance with $\text{Co}_2\text{Fe}(\text{Al}_{0.5}\text{Si}_{0.5})$ Heusler alloy layers and Ag spacer. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	143
10	Coherent tunneling and giant tunneling magnetoresistance in $\text{Co}_2\text{FeAl}$ magnetic tunneling junctions. <i>Physical Review B</i> , 2010, 81, .	1.1	139
11	Evaluation of Spin Hall Angle and Spin Diffusion Length by Using Spin Current-Induced Ferromagnetic Resonance. <i>Applied Physics Express</i> , 2012, 5, 073002.	1.1	138
12	Perpendicular magnetization of $\text{Co}_2\text{FeAl}$ full-Heusler alloy films induced by MgO interface. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	119
13	Tunnel magnetoresistance with improved bias voltage dependence in lattice-matched $\text{Fe}/\text{spinel MgAl}_2\text{O}_4/\text{Fe}(001)$ junctions. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	102
14	Large perpendicular magnetic anisotropy at $\text{Fe}/\text{MgO}$ interface. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	100
15	Thickness dependence of spin torque ferromagnetic resonance in $\text{Co}_{75}\text{Fe}_{25}/\text{Pt}$ bilayer films. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	78
16	Enhanced tunnel magnetoresistance in a spinel oxide barrier with cation-site disorder. <i>Physical Review B</i> , 2012, 86, .	1.1	77
17	Perpendicular magnetic anisotropy at the interface between ultrathin Fe film and MgO studied by angular-dependent x-ray magnetic circular dichroism. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	77
18	Quantitative analysis of anisotropic magnetoresistance in $\text{Co}_2\text{MnZ}$ and $\text{Co}_2\text{FeZ}$ epitaxial thin films: A facile way to investigate spin-polarization in half-metallic Heusler compounds. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	76

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19	A 4â€Foldâ€Symmetry Hexagonal Ruthenium for Magnetic Heterostructures Exhibiting Enhanced Perpendicular Magnetic Anisotropy and Tunnel Magnetoresistance. <i>Advanced Materials</i> , 2014, 26, 6483-6490.	11.1	76
20	Temperature dependence of tunneling magnetoresistance in epitaxial magnetic tunnel junctions using a $\text{Co}_2\text{FeAl}$ alloy electrode. <i>Physical Review B</i> , 2010, 82, .	1.1	70
21	Size-Tunable Silicon/Iron Oxide Hybrid Nanoparticles with Fluorescence, Superparamagnetism, and Biocompatibility. <i>Journal of the American Chemical Society</i> , 2011, 133, 18626-18633.	6.6	55
22	Magnetic Tunnel Junctions with Perpendicular Anisotropy Using a $\text{Co}_2\text{FeAl}$ Full-Heusler Alloy. <i>Applied Physics Express</i> , 2012, 5, 063003.	1.1	55
23	Preparation and characterization of highly L21-ordered full-Heusler alloy $\text{Co}_2\text{FeAl}_0.5\text{Si}_0.5$ thin films for spintronics device applications. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	51
24	Chemical ordering and large tunnel magnetoresistance in $\text{Co}_2\text{FeAl}/\text{MgAl}_2\text{O}_4/\text{Co}_2\text{FeAl}$ (001) junctions. <i>Applied Physics Express</i> , 2016, 9, 053004.	1.1	51
25	Influence of inverse spin Hall effect in spin-torque ferromagnetic resonance measurements. <i>Applied Physics Express</i> , 2016, 9, 023002.	1.1	49
26	Spin-transfer switching in an epitaxial spin-valve nanopillar with a full-Heusler $\text{Co}_2\text{FeAl}_0.5\text{Si}_0.5$ alloy. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	47
27	Significant Magnetoresistance Enhancement due to a Cotunneling Process in a Double Tunnel Junction with Single Discontinuous Ferromagnetic Layer Insertion. <i>Physical Review Letters</i> , 2005, 94, 068304.	2.9	46
28	Current-perpendicular-to-plane giant magnetoresistance of a spin valve using $\text{Co}_2\text{MnSi}$ Heusler alloy electrodes. <i>Journal of Applied Physics</i> , 2009, 105, .	1.1	46
29	Effect of annealing on $\text{Co}_2\text{FeAl}$ tunnel magnetoresistance and spin-transfer-torque switching in polycrystalline $\text{Co}_2\text{FeAl}$ magnetic tunnel junctions. <i>Applied Physics Letters</i> , 2012, 100, .	1.1	46
30	Spin-transfer switching in full-Heusler $\text{Co}_2\text{FeAl}$ -based magnetic tunnel junctions. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	45
31	Spin-polarized tunneling spectroscopy of fully epitaxial magnetic tunnel junctions using $\text{Co}_2\text{FeAl}$ tunnel magnetoresistance and spin-transfer-torque switching in polycrystalline $\text{Co}_2\text{FeAl}$ magnetic tunnel junctions on amorphous $\text{SiO}_2$ . <i>Scientific Reports</i> , 2017, 7, 45026.	1.1	42
32	Tunnel Magnetoresistance and Spin-Transfer-Torque Switching in Polycrystalline $\text{Co}_2\text{FeAl}$ Magnetic Tunnel Junctions on Amorphous $\text{SiO}_2$ . <i>Scientific Reports</i> , 2017, 7, 45026.	1.5	40
33	Voltage control of magnetic anisotropy in epitaxial $\text{Ru}/\text{Co}_2\text{FeAl}/\text{MgO}$ heterostructures. <i>Scientific Reports</i> , 2017, 7, 45026.	1.6	40
34	$\text{MgAl}_2\text{O}_4$ (001) based magnetic tunnel junctions made by direct sputtering of a sintered spinel target. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	39
35	Ferromagnetic Mesostructured Alloys: Design of Ordered Mesostructured Alloys with Multicomponent Metals from Lyotropic Liquid Crystals. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7792-7797.	7.2	37
36	Lattice-matched magnetic tunnel junctions using a Heusler alloy $\text{Co}_2\text{FeAl}$ and a cation-disorder spinel $\text{Mg-Al-O}$ barrier. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	37

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37	Modulation of effective damping constant using spin Hall effect. Applied Physics Letters, 2014, 104, 092408.	1.5	37
38	Large anisotropic Fe orbital moments in perpendicularly magnetized Co <sub>2</sub> FeAl Heusler alloy thin films revealed by angular-dependent x-ray magnetic circular dichroism. Applied Physics Letters, 2013, 103, .	1.5	36
39	Tunnel magnetoresistance in textured Co <sub>2</sub> FeAl/MgO/CoFe magnetic tunnel junctions on a Si/SiO <sub>2</sub> amorphous substrate. Applied Physics Letters, 2011, 98, .	1.5	35
40	Low-resistive monocrystalline Mg-Al-O barrier magnetic tunnel junctions for spin-transfer magnetization switching. Applied Physics Letters, 2013, 103, .	1.5	32
41	Structure and transport properties of current-perpendicular-to-plane spin valves using Co <sub>2</sub> FeAl <sub>0.5</sub> Si <sub>0.5</sub> and Co <sub>2</sub> MnSi Heusler alloy electrodes. Journal of Applied Physics, 2010, 107, .	1.1	31
42	Perpendicular Magnetic Anisotropy of Co <sub>2</sub> FeAl/Pt Multilayers for Spintronic Devices. Applied Physics Express, 2010, 3, 093002.	1.1	31
43	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
44	Spin-orbit torque in Cr/CoFeAl/MgO and Ru/CoFeAl/MgO epitaxial magnetic heterostructures. AIP Advances, 2016, 6, .	0.6	29
45	Fabrication of fully epitaxial magnetic tunnel junctions using L21-ordered Co <sub>2</sub> FeAl <sub>0.5</sub> Si <sub>0.5</sub> electrodes and their tunneling magnetoresistance characteristics. Applied Physics Letters, 2008, 93, 122506.	1.5	28
46	Magnetic dichroism in angle-resolved hard x-ray photoemission from buried layers. Physical Review B, 2011, 84, .	1.1	28
47	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
48	MgGa <sub>2</sub> O <sub>4</sub> spinel barrier for magnetic tunnel junctions: Coherent tunneling and low barrier height. Applied Physics Letters, 2017, 110, .	1.5	27
49	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
50	Large tunnel magnetoresistance in Co <sub>2</sub> FeAl <sub>0.5</sub> Si <sub>0.5</sub> •MgO•Co <sub>2</sub> FeAl <sub>0.5</sub> Si <sub>0.5</sub> magnetic tunnel junctions prepared on thermally oxidized Si substrates with MgO buffer. Applied Physics Letters, 2008, 93, 182504.	1.5	25
51	Nonlinear electric field effect on perpendicular magnetic anisotropy in Fe/MgO interfaces. Journal Physics D: Applied Physics, 2017, 50, 40LT04.	1.3	25
52	Magnetization switching induced by spin-orbit torque from Co <sub>2</sub> MnGa magnetic Weyl semimetal thin films. Applied Physics Letters, 2021, 118, 062402.	1.5	25
53	Spin-wave propagation in cubic anisotropic materials. NPG Asia Materials, 2017, 9, e392-e392.	3.8	24
54	Large perpendicular magnetic anisotropy in epitaxial Fe/MgAl <sub>2</sub> O <sub>4</sub> (001) heterostructures. Applied Physics Express, 2018, 11, 063008.	1.1	24

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55	Current-perpendicular-to-plane spin valves with a Co <sub>2</sub> Mn(Ga <sub>0.5</sub> Sn <sub>0.5</sub> ) Heusler alloy. Journal of Applied Physics, 2010, 108, 093916.	1.1	23
56	Perpendicular magnetic anisotropy at lattice-matched Co <sub>2</sub> FeAl/MgAl <sub>2</sub> O <sub>4</sub> (001) epitaxial interfaces. Applied Physics Letters, 2017, 110, .	1.5	23
57	Interdiffusion in epitaxial ultrathin Co <sub>2</sub> FeAl/MgO heterostructures with interface-induced perpendicular magnetic anisotropy. Applied Physics Express, 2017, 10, 013003.	1.1	22
58	Co NMR experiment as a probe of electron doping in Co <sub>2</sub> FeAl	1.1	21
59	Increased magnetic damping in ultrathin films of Co <sub>2</sub> FeAl with perpendicular anisotropy. Applied Physics Letters, 2017, 110, .	1.5	20
60	Magnetic switching properties of magnetic tunnel junctions using a synthetic ferrimagnet free layer. Journal of Applied Physics, 2004, 95, 3745-3748.	1.1	19
61	Giant tunnel magnetoresistance in polycrystalline magnetic tunnel junctions with highly textured MgAl <sub>2</sub> O <sub>4</sub> (001) based barriers. Applied Physics Letters, 2018, 112, .	1.5	19
62	Hard x-ray photoelectron spectroscopy of buried Heusler compounds. Journal Physics D: Applied Physics, 2009, 42, 084010.	1.3	18
63	Temperature dependence of x-ray absorption spectra in the ferromagnetic Heusler alloys	1.1	18
64	Sophisticated Crystal Transformation of a Coordination Polymer into Mesoporous Monocrystalline TiFe-Based Oxide with Room-Temperature Ferromagnetic Behavior. Chemistry - an Asian Journal, 2011, 6, 3195-3199.	1.7	18
65	Synthesis of porous iron oxide microspheres by a double hydrophilic block copolymer. RSC Advances, 2014, 4, 9986.	1.7	15
66	Microstructural evolution of perpendicular magnetization films with an ultra-thin Co <sub>2</sub> FeAl/MgAl <sub>2</sub> O <sub>4</sub> (001) structure. Acta Materialia, 2018, 145, 306-315.	3.8	15
67	Control of Magnetic Anisotropy by Lattice Distortion in Cobalt Ferrite Thin Film. IEEE Transactions on Magnetics, 2018, 54, 1-4.	1.2	15
68	Spin Hall effect in a spin-1 chiral semimetal. Physical Review Research, 2021, 3, .	1.3	15
69	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
70	Design and performance of pseudo-spin-MOSFETs using nano-CMOS devices. , 2012, , .		13
71	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
72	Aerosol-Assisted Synthesis of Thiol-Functionalized Mesoporous Silica Spheres with Fe <sub>3</sub> O <sub>4</sub> Nanoparticles. Journal of Nanoscience and Nanotechnology, 2010, 10, 6612-6617.	0.9	12

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73	Temperature dependence of magnetoresistive output of pseudo spin valves with $\text{Co}_2\text{Fe}(\text{Al}_{1-x}\text{Si}_x)$ Heusler alloys and a Ag spacer. Journal of Applied Physics, 2013, 114, .	1.1	12
74	Interfacial structure and magnetic properties of $\text{Co}_2\text{FeAl}_{0.5}\text{Si}_{0.5}/\text{MgO}$ heterostructures. Journal of Applied Physics, 2010, 107, 103919.	1.1	11
75	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
76	Ferromagnetic MnGaN thin films with perpendicular magnetic anisotropy for spintronics applications. Applied Physics Letters, 2015, 107, .	1.5	11
77	Anisotropic magnetoresistance and current-perpendicular-to-plane giant magnetoresistance in epitaxial NiMnSb-based multilayers. Journal of Applied Physics, 2016, 119, .	1.1	11
78	Perpendicular orbital and quadrupole anisotropies at Fe/MgO interfaces detected by x-ray magnetic circular and linear dichroisms. Applied Physics Letters, 2019, 115, 252402.	1.5	11
79	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
80	Spin-Resolved Contribution to Perpendicular Magnetic Anisotropy and Gilbert Damping in Interface-Engineered Fe/MgAl <sub>2</sub> O <sub>4</sub> Heterostructures. Physical Review Applied, 2020, 14, .	1.5	10
81	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
82	Tuning the magnetic properties and surface morphology of $\text{D}_{22}\text{Mn}_3\text{Ga}$ films with high perpendicular magnetic anisotropy by N doping. Applied Physics Letters, 2016, 109, .	1.5	9
83	Effect of Mg insertion on stress-induced resistance drift in MgO-based magnetic tunnel junctions. Electronics Letters, 2016, 52, 531-533.	0.5	9
84	Enhanced tunnel magnetoresistance in $\text{Fe}/\text{Mg}_4\text{Al-O}/\text{Fe}(001)$ magnetic tunnel junctions. Applied Physics Letters, 2022, 120, .	1.5	9
85	Bi-quadratic interlayer exchange coupling in $\text{Co}_2\text{MnSi}/\text{Ag}/\text{Co}_2\text{MnSi}$ pseudo spin-valve. Journal of Applied Physics, 2011, 110, .	1.1	8
86	SPIN TRANSFER TORQUE SWITCHING AND PERPENDICULAR MAGNETIC ANISOTROPY IN FULL HEUSLER ALLOY $\text{Co}_2\text{FeAl}$ -BASED TUNNEL JUNCTIONS. Spin, 2014, 04, 1440023.	0.6	8
87	Fabrication of pseudo-spin-MOSFETs using a multi-project wafer CMOS chip. Solid-State Electronics, 2014, 102, 52-58.	0.8	8
88	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
89	Time-dependent dielectric breakdown of MgO magnetic tunnel junctions and novel test method. Japanese Journal of Applied Physics, 2017, 56, 04CN02.	0.8	8
90	Structure and spin polarization of outermost surface of the $\text{Co}_2\text{MnSi}$ alloy studied by spin-polarized. Physical Review B, 2009, 79, .	1.1	7

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91	The effect of interfaces on magnetic activation volumes in single crystal Co <sub>2</sub> FeSi Heusler alloy thin films. Applied Physics Letters, 2012, 101, 102410.	1.5	7
92	Order parameters and magnetocrystalline anisotropy of off-stoichiometric $D_{22}$ Mn <sub>2.36</sub> Ga epitaxial films grown on MgO (001) and SrTiO <sub>3</sub> (001). Journal of Applied Physics, 2015, 118, .	1.1	7
93	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
94	Perpendicularly magnetized (001)-textured $D_{22}$ MnGa films grown on an (Mg <sub>0.2</sub> Ti <sub>0.8</sub> )O buffer with thermally oxidized Si substrates. Journal of Applied Physics, 2015, 118, .	1.1	6
95	Comparative study of spin-dependent transport in Co <sub>2</sub> FeAl/MgAl <sub>2</sub> O <sub>4</sub> /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
96	Spin Dynamics of B <sub>2</sub> and L <sub>2</sub> -Ordered Co <sub>2</sub> FeAl <sub>0.5</sub> Si <sub>0.5</sub> Heusler Alloy Films. Chinese Physics Letters, 2011, 28, 067501.	1.3	5
97	Effect of Mg insertion on time-dependent dielectric breakdown in MgO-based magnetic tunnel junctions. Electronics Letters, 2016, 52, 1037-1039.	0.5	5
98	Effect of Mg-Al insertion on magnetotransport properties in epitaxial Fe/sputter-deposited MgAl <sub>2</sub> O <sub>4</sub> /Fe(001) magnetic tunnel junctions. AIP Advances, 2017, 7, .	0.6	5
99	Controlling oxygen distribution of an MgAl <sub>2</sub> O <sub>4</sub> barrier for magnetic tunnel junctions by two-step process. Applied Physics Letters, 2020, 117, 122409.	1.5	5
100	Effect of tungsten doping on perpendicular magnetic anisotropy and its voltage effect in single crystal Fe/MgO(001) interfaces. Journal Physics D: Applied Physics, 2020, 53, 124001.	1.3	5
101	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
102	Strain Engineering of Magnetic Anisotropy in Epitaxial Films of Cobalt Ferrite. Advanced Materials Interfaces, 2021, 8, .	1.9	5
103	Large magnetocapacitance beyond 420% in epitaxial magnetic tunnel junctions with an MgAl <sub>2</sub> O <sub>4</sub> barrier. Scientific Reports, 2022, 12, 7190.	1.6	5
104	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
105	Monolithic integration of pseudo-spin-MOSFETs using a custom CMOS chip fabricated through multi-project wafer service. , 2013, , .		4
106	Tunnel Magnetoresistance of Ferromagnetic Antiperovskite MnGaN/MgO/CoFeB Perpendicular Magnetic Tunnel Junctions. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	4
107	TDDb modeling depending on interfacial conditions in magnetic tunnel junctions. Semiconductor Science and Technology, 2017, 32, 105007.	1.0	4
108	Realizing Room-Temperature Resonant Tunnel Magnetoresistance in Cr/Fe/MgAl <sub>2</sub> O <sub>4</sub> Quasi-Quantum Well Structures. Advanced Science, 2019, 6, 1901438.	5.6	4

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109	Crystallinity and Transport Properties in Fe/MgAl <sub>2</sub> O <sub>4</sub> /Fe (001) Epitaxial Magnetic Tunnel Junctions. Journal of the Magnetics Society of Japan, 2011, 35, 254-259.	0.5	4
110	Magneto-resistance of Magnetic Double Tunnel Junctions. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2004, 68, 74-77.	0.2	3
111	Magnetotransport properties in perpendicularly magnetized tunnel junctions using an ultrathin Fe electrode. Journal Physics D: Applied Physics, 2014, 47, 322001.	1.3	3
112	Effect of an interface Mg insertion layer on the reliability of a magnetic tunnel junction based on a Co <sub>2</sub> FeAl full-Heusler alloy. Journal of the Korean Physical Society, 2014, 64, 1144-1149.	0.3	3
113	Li-substituted MgAl <sub>2</sub> O <sub>4</sub> barriers for spin-dependent coherent tunneling. Japanese Journal of Applied Physics, 2016, 55, 110310.	0.8	3
114	Study of Induced Magnetic Anisotropy by Lattice Distortion in Cobalt Ferrite Thin Film Grown on (Mg,Sn) <sub>3</sub> O <sub>4</sub> Buffer Layers. IEEE Transactions on Magnetics, 2020, 56, 1-4.	1.2	3
115	Growth, strain, and spin-orbit torques in epitaxial Ni-Mn-Sb films sputtered on GaAs. Physical Review Materials, 2021, 5, .	0.9	3
116	Propagating backward-volume spin waves in epitaxial Fe films. AIP Advances, 2022, 12, .	0.6	3
117	Magnetic transport mechanism in double ferromagnetic tunnel junctions with two-dimensional ferromagnetic particles. IEEE Transactions on Magnetics, 2005, 41, 2679-2681.	1.2	2
118	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
119	Fully epitaxial Fe/MgO/Fe(001) junctions with nonmagnetic metal layer insertion. Journal of Applied Physics, 2011, 109, 07C726.	1.1	1
120	Reliability of magnetic tunnel junctions with a spinel MgAl <sub>2</sub> O <sub>4</sub> film. Electronics Letters, 2017, 53, 119-121.	0.5	1
121	Endurance of magnetic tunnel junctions under dynamic voltage stress. Electronics Letters, 2017, 53, 1146-1148.	0.5	1
122	Investigation of ramped voltage stress to screen defective magnetic tunnel junctions. Semiconductor Science and Technology, 2018, 33, 015006.	1.0	1
123	Tunnel Magneto-resistance in Full-Heusler Co <sub>2</sub> FeAl <sub>0.5</sub> Si <sub>0.5</sub> -Based Magnetic Tunnel Junctions. Journal of the Magnetics Society of Japan, 2009, 33, 256-261.	0.5	1
124	Revisiting Fe/MgO/Fe(001): Giant tunnel magneto-resistance up to ~420% at room temperature. , 2021, , .		1
125	Tunnel magneto-resistance enhancement in ferromagnetic tunnel junctions with ferromagnetic nano-particle layer insertion. , 2005, , .		0
126	Co <sub>2</sub> Fe(Al <sub>1-x</sub> Si <sub>x</sub> ) Heusler Alloys and Their Applications to Spintronics. , 2013, , 303-330.		0



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127	Size-Tunable Magnetofluorescent Nanoparticles as In Vivo Imaging. Materials Research Society Symposia Proceedings, 2014, 1660, 7.	0.1	0
128	Electrical manipulation of magnetization switching in $\text{Co}_2\text{FeAl}$ alloy based magnetic tunnel junctions with in-plane and perpendicular magnetization. , 2015, , .		0
129	Epitaxial magnetic tunnel junctions with a low barrier height spinel $\text{MgGa}_2\text{O}_4$ . , 2017, , .		0
130	Quantum-well tunneling anisotropic magnetoresistance above room temperature. Physical Review B, 2021, 103, .	1.1	0
131	Optical and Magnetic Properties of Fluorescent Ammonium Silicon Fluoride Microparticles with Magnetic Function. Journal of the Illuminating Engineering Institute of Japan (Shomei Gakkai Shi), 2018, 102, 215-219.	0.1	0