Yoshio Miura

List of Publications by Year
in descending order

161 papers	4,523 citations	126708 33 h-index	123241 61 g-index
163 all docs	163 docs citations	163 times ranked	3119 citing authors

#	Article	IF	Citations
1	Atomic disorder effects on half-metallicity of the full-Heusler alloysCo2(Cr1â”’xFex)Al:A first-principles study. Physical Review B, 2004, 69, .	1.1	536
2	Low damping constant for Co2FeAl Heusler alloy films and its correlation with density of states. Journal of Applied Physics, 2009, 105, .	1.1	231
3	Mechanism of large magnetoresistance in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Co</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> with current perpendicular to the plane. Physical Review B, 2010, 82, .	1.1	191
4	Role of Electronic Structure in the Martensitic Phase Transition of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Ni</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Mn</mml:mi></mml:msub></mml:math>Ga by Hard-X-Ray Photoelectron Spectroscopy andAbÂInitioCalc. Physical Review Letters, 2010, 104, 176401.	7.9	189
5	Extensive study of giant magnetoresistance properties in half-metallic Co2(Fe,Mn)Si-based devices. Applied Physics Letters, 2012, 101, .	1.5	162
6	First principles studies for the dissociative adsorption of H2 on graphene. Journal of Applied Physics, 2003, 93, 3395-3400.	1.1	145
7	Seebeck-driven transverse thermoelectric generation. Nature Materials, 2021, 20, 463-467.	13.3	102
8	Magnetic properties of the half-metallic Heusler alloys<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Co</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Co</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> pressure. Physical Review B, 2010, 82, .	1.1	99
9	Ab initiostudy on stability of half-metallic Co-based full-Heusler alloys. Journal of Applied Physics, 2006, 99, 08J112.	1.1	97
10	The origin of perpendicular magneto-crystalline anisotropy in L1₀â€“FeNi under tetragonal distortion. Journal of Physics Condensed Matter, 2013, 25, 106005.	0.7	92
11	Half-metallic interface and coherent tunneling in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Co</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> xmlns:mml="http://www.w3.org/1998/Math/Math. Physical Review B, 2008, 78, .	1.1	91
12	Enhanced tunnel magnetoresistance in a spinel oxide barrier with cation-site disorder. Physical Review B, 2012, 86, .	1.1	77
13	First-principles study on half-metallicity of disordered Co2(Cr1â”’xFex)Al. Journal of Applied Physics, 2004, 95, 7225-7227.	1.1	74
14	Effective Pathway for Hydrogen Atom Adsorption on Graphene. Journal of the Physical Society of Japan, 2003, 72, 995-997.	0.7	69
15	Coherent tunnelling conductance in magnetic tunnel junctions of half-metallic full Heusler alloys with MgO barriers. Journal of Physics Condensed Matter, 2007, 19, 365228.	0.7	66
16	Half-metallicity at the (110) interface between a full Heusler alloy andGaAs. Physical Review B, 2006, 73, .	1.1	64
17	Magnetic refrigeration material operating at a full temperature range required for hydrogen liquefaction. Nature Communications, 2022, 13, 1817.	5.8	64
18	Magnetoresistance Effect in Tunnel Junctions with Perpendicularly MagnetizedD0₂₂-Mn_{3-Î´}Ga Electrode and MgO Barrier. Applied Physics Express, 2011, 4, 043002.	1.1	59

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19	Enhancement of magnetoresistance by inserting thin NiAl layers at the interfaces in Co2FeGa0.5Ge0.5/Ag/Co2FeGa0.5Ge0.5 current-perpendicular-to-plane pseudo spin valves. Applied Physics Letters, 2016, 108, .	1.5	59
20	First-principles study of tunneling magnetoresistance in Fe/MgAl<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>4</mml:mn></mml:msub></mml:math>/Fe(001) magnetic tunnel junctions. Physical Review B, 2012, 86, .	1.1	58
21	Spin-polarized Weyl cones and giant anomalous Nernst effect in ferromagnetic Heusler films. Communications Materials, 2020, 1, .	2.9	57
22	CIRCUIT DESIGN FOR BUILT-IN CURRENT TESTING. , 0, , .		54
23	Hydrogen production by a green alga,Chlamydomonas reinhardtii, in an alternating light/dark cycle. Biotechnology and Bioengineering, 1982, 24, 1555-1563.	1.7	50
24	Effects of interfacial noncollinear magnetic structures on spin-dependent conductance in Co<mml: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>MnSi/MgO/Co<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub><mml:mrow /></mml:mrow></mml:math>	1.1	49
25	Perpendicular magnetic tunnel junction with a strained Mn-based nanolayer. Scientific Reports, 2016, 6, 30249.	1.6	48
26	Magnetic anisotropy in Ta/CoFeB/MgO investigated by x-ray magnetic circular dichroism and first-principles calculation. Applied Physics Letters, 2014, 105, .	1.5	47
27	Enhanced half-metallicity of off-stoichiometric quaternary Heusler alloy <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi mathvariant="normal">o</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mrow><mml:mo>(</mml:mo><mml:mrow><mml:mi>M</mml:mi> investigated through saturation magnetization and tunneling magnetoresistance. Physical Review B, 2016, 93, .	1.1	46
28	Observation of anomalous Ettingshausen effect and large transverse thermoelectric conductivity in permanent magnets. Applied Physics Letters, 2019, 115, .	1.5	44
29	Effect of nonstoichiometry on the half-metallic character of Co2MnSi investigated through saturation magnetization and tunneling magnetoresistance ratio. Physical Review B, 2014, 89, .	1.1	42
30	H2 dissociative adsorption at the armchair edges of graphite. Solid State Communications, 2004, 132, 713-718.	0.9	37
31	Magnetic properties of quaternary Heusler alloys<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Ni</mml:mtext></mml:mrow><mml:mrow><mml:mn>2</mml:mn> Physical Review B, 2009, 80, .	1.1	37
32	Absence of temperature dependence of the valence-band spectrum of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Co</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msu Physical Review B, 2009, 79, .	1.1	36
33	A comparative ab initio study on electric-field dependence of magnetic anisotropy in MgO/Fe/Pt and MgO/Fe/Au films. Journal of Applied Physics, 2011, 109, 07C107.	1.1	36
34	Microstructure, magnetic and transport properties of a Mn2CoAl Heusler compound. Acta Materialia, 2019, 176, 33-42.	3.8	35
35	Interface structure of half-metallic Heusler alloy<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Co</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>MnSi films facing an MgO tunnel barrier determined by x-ray magnetic circular dichroism. Physical Review B, 2010, 81, .	1.1	34
36	Enhancement of the anomalous Nernst effect in Ni/Pt superlattices. Physical Review B, 2021, 103, .	1.1	34

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37	Anatomy of interfacial spin-orbit coupling in Co/Pd multilayers using X-ray magnetic circular dichroism and first-principles calculations. Scientific Reports, 2018, 8, 8303.	1.6	33
38	Theoretical Study on Tunneling Magnetoresistance of Magnetic Tunnel Tunctions with $D{{0}_{22}}hbox{-}{hbox{Mn}}_{3}Z$ ($Z = {hbox{Ga}},{hbox{Ge}}$). IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	32
39	Contributions of magnetic structure and nitrogen to perpendicular magnetocrystalline anisotropy in antiperovskite <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>É</mml:mi><mml:mtext>â^'</mml:mtext><mml:mi mathvariant="normal">M</mml:mi><mml:msub><mml:mi mathvariant="normal">n</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:mi /><mml:	0.9	31
40	First-principles study of ballistic transport properties in Co<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>MnSi/<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>X</mml:mi><mml:mo>/</mml:mo></mml:mrow></mml:math>Co<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:	1.1	29
41	A first-principles study on magnetocrystalline anisotropy at interfaces of Fe with non-magnetic metals. Journal of Applied Physics, 2013, 113, 233908.	1.1	29
42	Magnetocrystalline anisotropy of the Fe-sublattice in Y2Fe14B systems. Journal of Applied Physics, 2014, 115, .	1.1	29
43	Impact of carbon segregant on microstructure and magnetic properties of FePt-C nanogranular films on MgO (001) substrate. Acta Materialia, 2019, 166, 413-423.	3.8	28
44	Exploring half-metallic Co-based full Heusler alloys using a DFT+Umethod combined with linear response approach. RSC Advances, 2019, 9, 30462-30478.	1.7	28
45	Pressure effect on the magnetic properties of the half-metallic Heusler alloy <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Co</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>MnSi: Physical Review B, 2018, 97, .	1.1	27
46	Perpendicular magnetic anisotropy at the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Fe</mml:mi><mml:mo>/</mml:mo><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math> interface: Comparative first-principles study with Fe/MgO. Physical Review B, 2018, 98, .	1.1	26
47	Rotational and Vibrational Coupling Effects on the Dissociative Adsorption and Associative Desorption Dynamics of D2/Cu(111). Journal of the Physical Society of Japan, 1999, 68, 887-892.	0.7	25
48	Ab initiocalculations of zinc-blende CrAs/GaAs superlattices. Journal of Applied Physics, 2004, 95, 6518-6520.	1.1	25
49	Effects of Correlation between Molecular Diffraction and Rotational Excitation on the Scattering Dynamics of H2from Cu(001). Journal of the Physical Society of Japan, 2000, 69, 3878-3884.	0.7	24
50	Ab initio calculations of spin polarization at Co2CrAl/GaAs interfaces. Journal of Physics Condensed Matter, 2004, 16, S5725-S5728.	0.7	24
51	Large enhancement of bulk spin polarization by suppressing CoMnanti-sites in Co2Mn(Ge0.75Ga0.25) Heusler alloy thin film. Applied Physics Letters, 2016, 108, 122404.	1.5	24
52	Electronic transport behaviors of Niâ€“Nbâ€“Zrâ€“H glassy alloys. Journal of Applied Physics, 2010, 107, .	1.1	23
53	Stable Hydrogen Configurations between Graphite Layers. Journal of the Physical Society of Japan, 2003, 72, 1867-1870.	0.7	22
54	Anomalous Hall and Nernst effects in ferrimagnetic Mn4N films: Possible interpretations and prospects for enhancement. Applied Physics Letters, 2021, 118, .	1.5	22

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55	Strain-induced reversible manipulation of orbital magnetic moments in Ni/Cu multilayers on ferroelectric BaTiO3. Npj Quantum Materials, 2019, 4, .	1.8	21
56	Theoretical Studies on Spin-Dependent Conductance in FePt/MgO/FePt(001) Magnetic Tunnel Junctions. IEEE Transactions on Magnetics, 2008, 44, 2585-2588.	1.2	20
57	Increased magnetic damping in ultrathin films of Co2FeAl with perpendicular anisotropy. Applied Physics Letters, 2017, 110, .	1.5	20
58	In Vitro Maintenance of Terminalâ€Differentiated State in Hepatocytes Entrapped Within Calcium Alginate. Artificial Organs, 1987, 11, 361-365.	1.0	19
59	Effects of off-stoichiometry on the spin polarization at the Co<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>Mn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>î²</mml:mi></mml:msub></mml:math>Ge<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow />	1.1	19
60	Electronic structure and magnetic anisotropy of L1-FePt thin film studied by hard x-ray photoemission spectroscopy and first-principles calculations. Applied Physics Letters, 2016, 109, .	1.5	19
61	Enhancement of current-perpendicular-to-plane giant magnetoresistive outputs by improving B2-order in polycrystalline Co2(Mn0.6Fe0.4)Ge Heusler alloy films with the insertion of amorphous CoFeBTa underlayer. Acta Materialia, 2018, 142, 49-57.	3.8	19
62	First-principles study of the anisotropic magneto-Peltier effect. Physical Review B, 2019, 99, .	1.1	18
63	High-temperature dependence of anomalous Ettingshausen effect in SmCo5-type permanent magnets. Applied Physics Letters, 2020, 117, .	1.5	18
64	Above-room-temperature giant thermal conductivity switching in spintronic multilayers. Applied Physics Letters, 2021, 118, .	1.5	18
65	Monatomic Au wire with a magnetic Ni impurity: Electronic structure and ballistic conductance. Physical Review B, 2008, 78, .	1.1	17
66	Bias voltage effects on tunneling magnetoresistance in Fe/ <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">MgAl</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:mo>/</mml:mo><mml:mi mathvariant="normal">Fe</mml:mi><mml:mo>(</mml:mo><mml:mn>001</mml:mn><mml:mo>)</mml:mo></mml:math> junctions: Comparative study with Fe/MgO/Fe(001) junctions. Physical Review B, 2017, 96, .	1.1	17
67	Perpendicular magnetic tunnel junctions with Mn-modified ultrathin MnGa layer. Applied Physics Letters, 2018, 112, .	1.5	16
68	Investigation of Gilbert damping of a tetragonally distorted ultrathin Fe0.5Co0.5 epitaxial film with high magnetic anisotropy. Applied Physics Letters, 2018, 113, .	1.5	15
69	Spin Hall effect in a spin-1 chiral semimetal. Physical Review Research, 2021, 3, .	1.3	15
70	First Principles Studies on the Interaction of a Hydrogen Atom with a Single-Walled Carbon Nanotube. Japanese Journal of Applied Physics, 2003, 42, 4626-4629.	0.8	14
71	Giant interfacial perpendicular magnetic anisotropy in Fe/CuIn1â^'xGaxSe2 beyond Fe/MgO. Physical Review B, 2017, 96, .	1.1	14
72	Temperature-dependent spin polarization of Heusler <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Co</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>MnSi</mml:mi></mml:math> from the disordered local-moment approach: Effects of atomic disordering and nonstoichiometry. Physical Review B, 2020, 102, .	1.1	14

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73	Detecting quadrupole: a hidden source of magnetic anisotropy for Manganese alloys. Scientific Reports, 2020, 10, 9744.	1.6	14
74	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
75	Combinatorial tuning of electronic structure and thermoelectric properties in Co2MnAl1â^'xSix Weyl semimetals. APL Materials, 2021, 9, .	2.2	14
76	Vibrational and rotational coupling effects in the direct scattering of H2 from Cu(111). Surface Science, 1999, 438, 254-260.	0.8	13
77	Electronic and magnetic properties of off-stoichiometric Co2MnÎ²Si/MgO interfaces studied by x-ray magnetic circular dichroism. Journal of Applied Physics, 2015, 117, .	1.1	13
78	Band match enhanced current-in-plane giant magnetoresistance in epitaxial Co50Fe50/Cu multilayers with metastable bcc-Cu spacer. APL Materials, 2019, 7, .	2.2	13
79	Interface-driven giant tunnel magnetoresistance in (111)-oriented junctions. Physical Review B, 2020, 101, .	1.1	13
80	Phenomenological analysis of transverse thermoelectric generation and cooling performance in magnetic/thermoelectric hybrid systems. Journal of Applied Physics, 2021, 129, .	1.1	12
81	Effect of Cr-substitution on vanadium dioxide thin films studied by soft X-ray magnetic circular dichroism. Journal of Alloys and Compounds, 2022, 918, 165515.	2.8	12
82	Optimization of biomass productivity and substrate utility of a hydrogen bacterium,Alcaligenes hydrogenophilus. Biotechnology and Bioengineering, 1982, 24, 1173-1182.	1.7	11
83	Molecular Orientation Dependence ofoâ€"pConversion of H2Scattered from a 3dImpurity Sitting on a Metal Oxide Surface. Journal of the Physical Society of Japan, 2001, 70, 3654-3659.	0.7	11
84	Effects of surface corrugation on the molecular rotational dependence of H2 dissociative adsorption dynamics on Cu(100). Applied Surface Science, 2001, 169-170, 30-35.	3.1	11
85	Perpendicular magnetic anisotropy at the Fe/Au(111) interface studied by MÃ¶ssbauer, x-ray absorption, and photoemission spectroscopies. Physical Review B, 2021, 103, .	1.1	11
86	Observation of Nonlinear Spin-Charge Conversion in the Thin Film of Nominally Centrosymmetric Dirac Semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow><mml:mi>SrIrO</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></ at Room Temperature. Physical Review Letters, 2021, 126, 236801.	2.9	11
87	Dynamical quantum filtering in the scattering dynamics of H2on Cu(001). Journal of Physics Condensed Matter, 2002, 14, L479-L486.	0.7	10
88	Quantum Dynamics of Abstraction in H(g)+H(a)/Cu(111): Direct (Eleyâ€"Rideal) and Indirect (Hot-Atom) Processes. Journal of the Physical Society of Japan, 2002, 71, 222-227.	0.7	10
89	Power modulation control of a three-phase to single-phase matrix converter for a gas engine cogeneration system. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	10
90	Band structure and photoconductivity of blue-green light absorbing AlTiN films. Journal of Materials Chemistry A, 2017, 5, 20824-20832.	5.2	10

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91	Spin-Resolved Contribution to Perpendicular Magnetic Anisotropy and Gilbert Damping in Interface-Engineered Fe/MgAl2O4 Heterostructures. Physical Review Applied, 2020, 14, .	1.5	10
92	Lattice dynamics effects on finite-temperature stability of R1â^'Fe (R = Y, Ce, Nd, Sm, and Dy) alloys from first principles. Journal of Alloys and Compounds, 2021, 874, 159754.	2.8	10
93	First-principles calculations on the spin anomalous Hall effect of ferromagnetic alloys. Physical Review Materials, 2021, 5, .	0.9	10
94	Liver Functions in Hepatocytes Entrapped within Calcium Alginate. Annals of the New York Academy of Sciences, 1988, 542, 521-532.	1.8	9
95	Characterization of Immobilized Hepatocytes as Liver Support. Biomaterials, Artificial Cells, and Artificial Organs, 1990, 18, 549-554.	0.2	9
96	Half-metallic behavior of Co₂MnSi/Co₂MnAl/MgO interface and its coherent tunneling conductance. Journal of Physics: Conference Series, 2010, 200, 052016.	0.3	9
97	First-principles study on magnetic tunneling junctions with semiconducting CuInSe₂and CuGaSe₂barriers. Japanese Journal of Applied Physics, 2017, 56, 020306.	0.8	9
98	Enhancement of L21 order and spin-polarization in Co2FeSi thin film by substitution of Fe with Ti. Applied Physics Letters, 2017, 110, .	1.5	9
99	Off-stoichiometry effect on magnetic damping in thin films of Heusler alloy <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi mathvariant="normal">o</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>MnSi</mml:mi></mml:mrow></mml:math>. Physical Review B, 2020, 101, .	1.1	9
100	Machine learning analysis of tunnel magnetoresistance of magnetic tunnel junctions with disordered <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>MgA</mml:mi><mml:msub><mml:mi mathvariant="normal">l</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review Research, 2020, 2, .	1.3	9
101	First-principles design of ferromagnetic nanostructures based on group-IV semiconductors. Journal of Physics Condensed Matter, 2004, 16, S5735-S5738.	0.7	8
102	The effect of the interface oxidation on tunneling conductance of Co2MnSi/MgO/Co2MnSi magnetic tunnel junction. Journal of Physics Condensed Matter, 2009, 21, 064245.	0.7	8
103	Electronic structure of AlCrN films investigated using various photoelectron spectroscopies andab initiocalculations. Journal of Physics Condensed Matter, 2017, 29, 085502.	0.7	8
104	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, .	1.1	8
105	Effects of the atomic order on the half-metallic electronic structure in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi		

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109	First-principles disordered local-moment study on temperature dependence of spin polarization in Co2Fe(Ga0.5Ge0.5) Heusler alloy. Acta Materialia, 2021, 218, 117218.	3.8	7
110	Molecular orientation dependence ofortho-paraconversion of a H2 interacting with a metal surface. Journal of Applied Physics, 2003, 93, 644-648.	1.1	6
111	Crystallographic and electronic properties of AlCrN films that absorb visible light. AIP Advances, 2017, 7, 055306.	0.6	6
112	Interface-driven noncollinear magnetic structure and phase transition of Fe thin films. Physical Review B, 2017, 95, .	1.1	6
113	Crystallographic properties and electronic structure of V-doped AlN films that absorb near ultraviolet-visible-infrared light. Journal of Applied Physics, 2018, 123, 161546.	1.1	6
114	Electronic and spin structure of O- and H-adsorbed <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>Fe</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:m mathvariant="normal">O</mml:mi></mml:mrow><mml:mn>4</mml:mn></mml:msub></mml:math> (111) surfaces. Physical Review B, 2019, 99, .	1.1	6
115	Interfacial resonant tunneling induced by folded bands and providing highly spin-polarized current in spinel-oxide barrier junctions. Physical Review B, 2020, 102, .	1.1	6
116	Crucial role of interfacial <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>s</mml:mi><mml:mtext>â^'</mml:mtext><mml:mi>d</m exchange interaction in the temperature dependence of tunnel magnetoresistance. Physical Review B, 2021, 104, .	1.1	6
117	Nanoscale-Thick Ni-Based Half-Heusler Alloys with Structural Ordering-Dependent Ultralow Magnetic Damping: Implications for Spintronic Applications. ACS Applied Nano Materials, 2022, 5, 569-577.	2.4	6
118	Control of perpendicular magnetic anisotropy at the Fe/MgO interface by phthalocyanine insertion. Physical Review B, 2022, 105, .	1.1	6
119	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, .	0.9	6
120	Isotope effects on the rotationally inelastic diffraction dynamics of hydrogen scattered from Cu(001) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.8	5
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