

Yoshio Miura

List of Publications by Year in descending order

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3119
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#	ARTICLE	IF	CITATIONS
1	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
2	Magnetic refrigeration material operating at a full temperature range required for hydrogen liquefaction. Nature Communications, 2022, 13, 1817.	5.8	64
3	Lattice dynamics and its effects on magnetocrystalline anisotropy energy of pristine and hole-doped YCo_5Mn from first principles. Physical Review B, 2022, 105, .	1.1	4
4	Control of perpendicular magnetic anisotropy at the Fe/MgO interface by phthalocyanine insertion. Physical Review B, 2022, 105, .	1.1	6
5	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
6	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
7	Autonomous synthesis system integrating theoretical, informatics, and experimental approaches for large-magnetic-anisotropy materials. Science and Technology of Advanced Materials Methods, 2022, 2, 280-293.	0.4	3
8	Enhancement of the anomalous Nernst effect in Ni/Pt superlattices. Physical Review B, 2021, 103, .	1.1	34
9	Seebeck-driven transverse thermoelectric generation. Nature Materials, 2021, 20, 463-467.	13.3	102
10	Above-room-temperature giant thermal conductivity switching in spintronic multilayers. Applied Physics Letters, 2021, 118, .	1.5	18
11	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
12	Perpendicular magnetic anisotropy at the Fe/Au(111) interface studied by Mössbauer, x-ray absorption, and photoemission spectroscopies. Physical Review B, 2021, 103, .	1.1	11
13	Anomalous Hall and Nernst effects in ferrimagnetic Mn ₄ N films: Possible interpretations and prospects for enhancement. Applied Physics Letters, 2021, 118, .	1.5	22
14	Combinatorial tuning of electronic structure and thermoelectric properties in $\text{Co}_2\text{MnAl}_{1-x}\text{Si}_x$ Weyl semimetals. APL Materials, 2021, 9, .	2.2	14
15	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
16	Quantum-well tunneling anisotropic magnetoresistance above room temperature. Physical Review B, 2021, 103, .	1.1	0
17	Manipulation of Perpendicular Magnetic Anisotropy by Interfacial Strain: Development of Orbital Elastic Effect by Electric-Field Induced XMCD. Vacuum and Surface Science, 2021, 64, 230-235.	0.0	0
18	Phenomenological analysis of transverse thermoelectric generation and cooling performance in magnetic/thermoelectric hybrid systems. Journal of Applied Physics, 2021, 129, .	1.1	12

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19	Observation of Nonlinear Spin-Charge Conversion in the Thin Film of Nominally Centrosymmetric Dirac Semimetal SrIrO_3 at Room Temperature. <i>Physical Review Letters</i> , 2021, 126, 236801.	2.9	11
20	Spin Hall effect in a spin-1 chiral semimetal. <i>Physical Review Research</i> , 2021, 3, .	1.3	15
21	Lattice dynamics effects on finite-temperature stability of $\text{R}_1\text{R}_2\text{Fe}$ (R = Y, Ce, Nd, Sm, and Dy) alloys from first principles. <i>Journal of Alloys and Compounds</i> , 2021, 874, 159754.	2.8	10
22	First-principles disordered local-moment study on temperature dependence of spin polarization in $\text{Co}_2\text{Fe}(\text{Ga}_{0.5}\text{Ge}_{0.5})$ Heusler alloy. <i>Acta Materialia</i> , 2021, 218, 117218.	3.8	7
23	Spin-scattering asymmetry at half-metallic-ferromagnet ferromagnet interface. <i>Physical Review B</i> , 2021, 104, .	1.1	1
24	First-principles calculations on the spin anomalous Hall effect of ferromagnetic alloys. <i>Physical Review Materials</i> , 2021, 5, .	0.9	10
25	Crucial role of interfacial exchange interaction in the temperature dependence of tunnel magnetoresistance. <i>Physical Review B</i> , 2021, 104, .	1.1	6
26	Enhanced Magnetoresistance under Bias Voltage in $\text{Fe}/\text{MgO}/\text{Fe}$ Junctions. <i>Physical Review Applied</i> , 2021, 15, .	1.5	2
27	High-temperature dependence of anomalous Ettingshausen effect in SmCo_5 -type permanent magnets. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	18
28	Interfacial resonant tunneling induced by folded bands and providing highly spin-polarized current in spinel-oxide barrier junctions. <i>Physical Review B</i> , 2020, 102, .	1.1	6
29	Temperature-dependent spin polarization of Heusler Co_2MnSi from the disordered local-moment approach: Effects of atomic disordering and nonstoichiometry. <i>Physical Review B</i> , 2020, 102, .	1.1	14
30	Spin-polarized Weyl cones and giant anomalous Nernst effect in ferromagnetic Heusler films. <i>Communications Materials</i> , 2020, 1, .	2.9	57
31	Spin-Resolved Contribution to Perpendicular Magnetic Anisotropy and Gilbert Damping in Interface-Engineered $\text{Fe}/\text{MgAl}_2\text{O}_4$ Heterostructures. <i>Physical Review Applied</i> , 2020, 14, .	1.5	10
32	Detecting quadrupole: a hidden source of magnetic anisotropy for Manganese alloys. <i>Scientific Reports</i> , 2020, 10, 9744.	1.6	14
33	Strain-induced enhancement of the Seebeck effect in magnetic tunneling junctions via interface resonant tunneling: Ab initio study. <i>Physical Review B</i> , 2020, 101, .	1.1	4
34	Electronic structure of AlFeN films exhibiting crystallographic orientation change from c- to a-axis with Fe concentrations and annealing effect. <i>Scientific Reports</i> , 2020, 10, 1819.	1.6	3
35	Interface-driven giant tunnel magnetoresistance in (111)-oriented junctions. <i>Physical Review B</i> , 2020, 101, .	1.1	13
36	Off-stoichiometry effect on magnetic damping in thin films of Heusler alloy Co_2MnSi . <i>Physical Review B</i> , 2020, 101, .	1.1	9

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37	Contributions of magnetic structure and nitrogen to perpendicular magnetocrystalline anisotropy in antiperovskite $M_{1-x}M_2'_xN_{1-x}M_3'_x$ Effects of the atomic order on the half-metallic electronic structure in the $C_{1-x}M_2'_xN_{1-x}M_3'_x$	0.9	31
38	Journal of Materials, 2020, 4, .		

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55	Pressure effect on the magnetic properties of the half-metallic Heusler alloy Co_2MnGe . Physical Review B, 2018, 97, .	2.1	27
56	Enhancement of current-perpendicular-to-plane giant magnetoresistive outputs by improving B2-order in polycrystalline $\text{Co}_2(\text{Mn}_{0.6}\text{Fe}_{0.4})\text{Ge}$ Heusler alloy films with the insertion of amorphous CoFeB Ta underlayer. Acta Materialia, 2018, 142, 49-57.	3.8	19
57	Perpendicular magnetic anisotropy at the Fe/MgO interface: Comparative first-principles study with Fe/MgO . Physical Review B, 2018, 98, .	1.1	26
58	Investigation of Gilbert damping of a tetragonally distorted ultrathin $\text{Fe}_{0.5}\text{Co}_{0.5}$ epitaxial film with high magnetic anisotropy. Applied Physics Letters, 2018, 113, .	1.5	15
59	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
60	Electronic structure of AlCrN films investigated using various photoelectron spectroscopies and <i>ab initio</i> calculations. Journal of Physics Condensed Matter, 2017, 29, 085502.	0.7	8
61	First-principles study on magnetic tunneling junctions with semiconducting CuInSe_2 and CuGaSe_2 barriers. Japanese Journal of Applied Physics, 2017, 56, 020306.	0.8	9
62	Electric field control of magnetic anisotropy in bilayer contacts with Rashba-type spin-orbit interaction. Journal Physics D: Applied Physics, 2017, 50, 235001.	1.3	0
63	Significant modification of perpendicular magnetic anisotropy of $\text{W}/\text{Fe}(001)$ multilayer by controlling in-plane lattice constant. Applied Physics Express, 2017, 10, 063005.	1.1	4
64	Enhancement of L21 order and spin-polarization in Co_2FeSi thin film by substitution of Fe with Ti. Applied Physics Letters, 2017, 110, .	1.5	9
65	Giant interfacial perpendicular magnetic anisotropy in $\text{Fe}/\text{CuIn}_x\text{Ga}_x\text{Se}_2$ beyond Fe/MgO . Physical Review B, 2017, 96, .	1.1	14
66	Bias voltage effects on tunneling magnetoresistance in $\text{Fe}/\text{MgAl}_2\text{O}_3/\text{Fe}$ junctions: Comparative study with $\text{Fe}/\text{MgO}/\text{Fe}(001)$ junctions. Physical Review B, 2017, 96, .	1.1	17
67	Band structure and photoconductivity of blue-green light absorbing AlTiN films. Journal of Materials Chemistry A, 2017, 5, 20824-20832.	5.2	10
68	Crystallographic and electronic properties of AlCrN films that absorb visible light. AIP Advances, 2017, 7, 055306.	0.6	6
69	Increased magnetic damping in ultrathin films of Co_2FeAl with perpendicular anisotropy. Applied Physics Letters, 2017, 110, .	1.5	20
70	Interface-driven noncollinear magnetic structure and phase transition of Fe thin films. Physical Review B, 2017, 95, .	1.1	6
71	Magnetization and Spin Polarization of Heusler Alloys $\text{Co}_{1-x}\text{Ti}_x\text{Sn}$ and $\text{Co}_{1-x}\text{Ti}_x\text{Ga}_{0.5}\text{Sn}_{0.5}$. IEEE Magnetics Letters, 2017, 8, 1-4.	0.6	4
72	Theory of magnetic tunneling junctions with semiconductor barriers CuInSe_2 and CuGaSe_2 . , 2017, .		0

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73	First-Principles Calculation of Electronic Structure in NiMnSb/MgO and CoMnSb/MgO Junctions. , 2016, . ,		0
74	Large enhancement of bulk spin polarization by suppressing CoMnanti-sites in Co ₂ Mn(Ge _{0.75} Ga _{0.25}) Heusler alloy thin film. Applied Physics Letters, 2016, 108, 122404.	1.5	24
75	Perpendicular magnetic tunnel junction with a strained Mn-based nanolayer. Scientific Reports, 2016, 6, 30249.	1.6	48
76	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, .	1.5	59
77	Electronic structure and magnetic anisotropy of L_1 -FePt thin film studied by hard x-ray photoemission spectroscopy and first-principles calculations. Applied Physics Letters, 2016, 109, . Enhanced half-metallicity of off-stoichiometric quaternary Heusler alloy $C_{1-x}Mn_x$ investigated through saturation magnetization and tunneling magnetoresistance. Physical Review B, 2016, 93, .	1.5	19
78	Large Negative Magnetic Anisotropy of W/Fe/W (001) Epitaxial Trilayers. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.1	46
79	Drastic change in density of states upon martensitic phase transition for metamagnetic shape memory alloy $Ni_{2-x}Mn_{1+x}$. Journal of Physics Condensed Matter, 2015, 27, 362201.	1.2	4
80	Electronic and magnetic properties of off-stoichiometric Co ₂ Mn _{1-x} Si/MgO interfaces studied by x-ray magnetic circular dichroism. Journal of Applied Physics, 2015, 117, .	0.7	7
81	Magnetic anisotropy in Ta/CoFeB/MgO investigated by x-ray magnetic circular dichroism and first-principles calculation. Applied Physics Letters, 2014, 105, .	1.1	13
82	Magnetocrystalline anisotropy of the Fe-sublattice in Y ₂ Fe ₁₄ B systems. Journal of Applied Physics, 2014, 115, .	1.5	47
83	Theoretical Study on Tunneling Magnetoresistance of Magnetic Tunnel Junctions with $Co_2(Mn)_{1-x}(Z)_x$ ($Z = \{Ga, Ge\}$). IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.1	29
84	Effect of nonstoichiometry on the half-metallic character of Co ₂ MnSi investigated through saturation magnetization and tunneling magnetoresistance ratio. Physical Review B, 2014, 89, .	1.2	32
85	A first-principles study on magnetocrystalline anisotropy at interfaces of Fe with non-magnetic metals. Journal of Applied Physics, 2013, 113, 233908.	1.1	42
86	The origin of perpendicular magneto-crystalline anisotropy in L_1 -FeNi under tetragonal distortion. Journal of Physics Condensed Matter, 2013, 25, 106005. Effects of off-stoichiometry on the spin polarization at the $Co_{1-x}Mn_x$	1.1	29
87	$Co_{1-x}Mn_x$	0.7	92
88	$Co_{1-x}Mn_x$	1.1	19
89	$Co_{1-x}Mn_x$	1.1	58
90	Extensive study of giant magnetoresistance properties in half-metallic Co ₂ (Fe,Mn)Si-based devices. Applied Physics Letters, 2012, 101, .	1.5	162

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91	Enhanced tunnel magnetoresistance in a spinel oxide barrier with cation-site disorder. Physical Review B, 2012, 86. First-principles study of ballistic transport properties in Co_2MnSi	1.1	77
92	Magnetoresistance Effect in Tunnel Junctions with Perpendicularly Magnetized $\text{D}_{22}\text{-Mn}_3\text{Ga}$ Electrode and MgO Barrier. Applied Physics Express, 2011, 4, 043002.	1.1	29
93	PIXE ANALYSIS OF A MURINE FIBROSARCOMA TUMOR TREATED WITH A VASCULAR DISRUPTING AGENT AVE8062. International Journal of PIXE, 2011, 21, 125-131.	0.4	0
94	Pressure-induced half-metallic gap transformation in Co_2MnSi observed by tunneling conductance spectroscopy. Physical Review B, 2011, 83. Effects of interfacial noncollinear magnetic structures on spin-dependent conductance in $\text{Co}_2\text{MnSi/MgO/Co}$	1.1	1
95	A PRELIMINARY STUDY OF RELATIONSHIPS BETWEEN ELEMENTAL ACCUMULATION AND RADIOACTIVE CESIUM CONTAMINATION IN LENTINULA EDODES (SHIITAKE) BASED ON PIXE ANALYSIS. International Journal of PIXE, 2011, 21, 145-149.	0.4	49
96	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.	0.4	2
97	Superconductivity of NiNbZrH Glassy Alloys with Nanoclusters. Journal of Nanoscience and Nanotechnology, 2010, 10, 4975-4978.	1.1	36
98	Half-metallic behavior of $\text{Co}_2\text{MnSi/Co}_2\text{MnAl/MgO}$ interface and its coherent tunneling conductance. Journal of Physics: Conference Series, 2010, 200, 052016.	0.9	4
99	Interface structure of half-metallic Heusler alloy Co_2MnSi films facing an MgO tunnel barrier determined by x-ray magnetic circular dichroism. Physical Review B, 2010, 81, .	0.3	9
100	Electronic transport behaviors of NiNbZrH glassy alloys. Journal of Applied Physics, 2010, 107, .	1.1	23
101	PIXE STUDY ON ARSENIC ACCUMULATION BY A FERN (PTERIS VITTATA). International Journal of PIXE, 2010, 20, 119-125.	0.4	4
102	Mechanism of large magnetoresistance in Co_2MnSi with current perpendicular to the plane. Physical Review B, 2010, 82, .	1.1	191
103	Role of Electronic Structure in the Martensitic Phase Transition of Ni_2CoMn by Hard-X-Ray Photoelectron Spectroscopy and <i>ab initio</i> Calc. Physical Review Letters, 2010, 104, 176401.	1.1	99
104	Absence of temperature dependence of the valence-band spectrum of Co_2MnSi	1.1	36
105	Publisher's Note: Magnetic properties of quaternary Heusler alloys $\text{Ni}_2\text{xCoxMnGa}$ [Phys. Rev. B80, 214402 (2009)]. Physical Review B, 2009, 80, .	1.1	0

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109	Magnetic properties of quaternary Heusler alloys $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{Ni} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle 3 \langle \text{mml:mtext} \rangle \text{Physical Review B, 2009, 80, .}$	1.1	37
110	The effect of the interface oxidation on tunneling conductance of Co ₂ MnSi/MgO/Co ₂ MnSi magnetic tunnel junction. Journal of Physics Condensed Matter, 2009, 21, 064245.	0.7	8
111	Half-metallic interface between a Heusler alloy and Si. Journal of Physics Condensed Matter, 2009, 21, 064244.	0.7	3
112	Low damping constant for Co ₂ FeAl Heusler alloy films and its correlation with density of states. Journal of Applied Physics, 2009, 105, .	1.1	231
113	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
114	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
115	Half-metallic interface and coherent tunneling in $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{Co} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle 2 \langle \text{mml:mtext} \rangle \text{Physical Review B, 2008, 78, .}$	1.1	91
116	Monatomic Au wire with a magnetic Ni impurity: Electronic structure and ballistic conductance. Physical Review B, 2008, 78, .	1.1	17
117	Highly spin-polarized interfaces between a half-metallic Heusler alloy and silicon. Acta Crystallographica Section A: Foundations and Advances, 2008, 64, C557-C557.	0.3	0
118	The computational materials design of (Ga, Cr)N: effects of co-doping on exchange interactions. Journal of Physics Condensed Matter, 2007, 19, 365238.	0.7	0
119	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
120	Theoretical studies on the influence of oxygen impurity upon magnetic properties of (Ga,Cr)N. Journal of Magnetism and Magnetic Materials, 2007, 310, 2155-2157.	1.0	1
121	The exchange interaction in (Ga,Cr)N doped with oxygen impurities. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 4147-4150.	0.8	1
122	Ab initio study on stability of half-metallic Co-based full-Heusler alloys. Journal of Applied Physics, 2006, 99, 08J112.	1.1	97
123	Half-metallicity at the (110) interface between a full Heusler alloy and GaAs. Physical Review B, 2006, 73, .	1.1	64
124	Ab initio calculations of spin polarization at Co ₂ CrAl/GaAs interfaces. Journal of Physics Condensed Matter, 2004, 16, S5725-S5728.	0.7	24
125	First-principles study on half-metallicity of disordered Co ₂ (Cr _{1-x} Fe _x)Al. Journal of Applied Physics, 2004, 95, 7225-7227.	1.1	74
126	Ab initio calculations of zinc-blende CrAs/GaAs superlattices. Journal of Applied Physics, 2004, 95, 6518-6520.	1.1	25

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127	First-principles design of ferromagnetic nanostructures based on group-IV semiconductors. Journal of Physics Condensed Matter, 2004, 16, S5735-S5738.	0.7	8
128	H ₂ dissociative adsorption at the armchair edges of graphite. Solid State Communications, 2004, 132, 713-718.	0.9	37
129	Atomic disorder effects on half-metallicity of the full-Heusler alloys Co ₂ (Cr _{1-x} Fe _x)Al: A first-principles study. Physical Review B, 2004, 69, .	1.1	536
130	Effects of the kinetic energy on the hydrogen abstraction dynamics on Cu(). Surface Science, 2003, 532-535, 148-153.	0.8	2
131	Effective Pathway for Hydrogen Atom Adsorption on Graphene. Journal of the Physical Society of Japan, 2003, 72, 995-997.	0.7	69
132	First principles studies for the dissociative adsorption of H ₂ on graphene. Journal of Applied Physics, 2003, 93, 3395-3400.	1.1	145
133	Molecular orientation dependence of ortho-para conversion of a H ₂ interacting with a metal surface. Journal of Applied Physics, 2003, 93, 644-648.	1.1	6
134	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
135	Stable Hydrogen Configurations between Graphite Layers. Journal of the Physical Society of Japan, 2003, 72, 1867-1870.	0.7	22
136	Isotope effects on direct and indirect processes of hydrogen abstraction from Cu(111). Journal of Physics Condensed Matter, 2002, 14, 4345-4354.	0.7	3
137	Dynamical quantum filtering in the scattering dynamics of H ₂ on Cu(001). Journal of Physics Condensed Matter, 2002, 14, L479-L486.	0.7	10
138	Effects of H coverage on the dynamics of H abstraction from Cu(111). Surface Science, 2002, 507-510, 838-844.	0.8	7
139	Quantum Dynamics of Abstraction in H(g)+H(a)/Cu(111): Direct (Eley-Rideal) and Indirect (Hot-Atom) Processes. Journal of the Physical Society of Japan, 2002, 71, 222-227.	0.7	10
140	Steric effect on α - β conversion of a H ₂ interacting with a 3d impurity sitting on a metal oxide surface. Surface Science, 2002, 514, 273-282.	0.8	3
141	Quantum Dynamics of Hydrogen Abstraction from Metal Surfaces.. Shinku/Journal of the Vacuum Society of Japan, 2002, 45, 443-447.	0.2	1
142	Orientational effects on the molecular diffraction dynamics of H ₂ scattered from Cu(0 0 1). Surface Science, 2001, 482-485, 306-311.	0.8	2
143	Isotope effects on the rotationally inelastic diffraction dynamics of hydrogen scattered from Cu(001) Tj ETQq1 1 0,784314 rgBT /Overlo	0.8	5
144	Molecular Orientation Dependence of α - β Conversion of H ₂ Scattered from a 3d Impurity Sitting on a Metal Oxide Surface. Journal of the Physical Society of Japan, 2001, 70, 3654-3659.	0.7	11

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145	Effects of surface corrugation on the molecular rotational dependence of H ₂ dissociative adsorption dynamics on Cu(100). <i>Applied Surface Science</i> , 2001, 169-170, 30-35.	3.1	11
146	Rotationally Inelastic Diffraction of Hydrogen from Solid Surfaces.. <i>Shinku/Journal of the Vacuum Society of Japan</i> , 2001, 44, 276-279.	0.2	1
147	Effects of Correlation between Molecular Diffraction and Rotational Excitation on the Scattering Dynamics of H ₂ from Cu(001). <i>Journal of the Physical Society of Japan</i> , 2000, 69, 3878-3884.	0.7	24
148	Vibrational and rotational coupling effects in the direct scattering of H ₂ from Cu(111). <i>Surface Science</i> , 1999, 438, 254-260.	0.8	13
149	Rotational and Vibrational Coupling Effects on the Dissociative Adsorption and Associative Desorption Dynamics of D ₂ /Cu(111). <i>Journal of the Physical Society of Japan</i> , 1999, 68, 887-892.	0.7	25
150	Characterization of Immobilized Hepatocytes as Liver Support. <i>Biomaterials, Artificial Cells, and Artificial Organs</i> , 1990, 18, 549-554.	0.2	9
151	Therapeutic Effect of Hepatocytes Entrapped within Ca-Alginate. <i>Annals of the New York Academy of Sciences</i> , 1990, 613, 475-478.	1.8	1
152	Liver Functions in Hepatocytes Entrapped within Calcium Alginate. <i>Annals of the New York Academy of Sciences</i> , 1988, 542, 521-532.	1.8	9
153	In Vitro Maintenance of Terminalâ€œDifferentiated State in Hepatocytes Entrapped Within Calcium Alginate. <i>Artificial Organs</i> , 1987, 11, 361-365.	1.0	19
154	Microwave application of three-terminal Josephson device under hot quasiparticle injection. <i>IEEE Transactions on Magnetics</i> , 1985, 21, 924-927.	1.2	3
155	Optimization of biomass productivity and substrate utility of a hydrogen bacterium, <i>Alcaligenes hydrogenophilus</i> . <i>Biotechnology and Bioengineering</i> , 1982, 24, 1173-1182.	1.7	11
156	Hydrogen production by a green alga, <i>Chlamydomonas reinhardtii</i> , in an alternating light/dark cycle. <i>Biotechnology and Bioengineering</i> , 1982, 24, 1555-1563.	1.7	50
157	STUDIES ON THE NEEDLE PUNCHED FABRIC. <i>Journal of Fiber Science and Technology</i> , 1967, 23, 40-46.	0.0	0
158	CIRCUIT DESIGN FOR BUILT-IN CURRENT TESTING. , 0, , .		54
159	Materials Design and Molecular-Beam Epitaxy of Half-Metallic Zinc-Blende CrAs and the Heterostructures. , 0, , 293-311.		0
160	Chemical Trend in Band Structure of 3d-Transition-Metal-Doped AlN Films. <i>Materials Science Forum</i> , 0, 924, 322-325.	0.3	2
161	Analysis of current-in-plane giant magnetoresistance using Co ₂ FeAl _{0.5} Si _{0.5} half-metallic Heusler alloy. <i>Journal Physics D: Applied Physics</i> , 0, , .	1.3	1