

Tomoyasu Taniyama

List of Publications by Year in descending order

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191
papers

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191
all docs

191
docs citations

191
times ranked

5329
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrically driven single-electron spin resonance in a slanting Zeeman field. Nature Physics, 2008, 4, 776-779.	6.5	484
2	AgNbO ₃ : A lead-free material with large polarization and electromechanical response. Applied Physics Letters, 2007, 90, 252907.	1.5	229
3	Surface Ferromagnetism of Pd Fine Particles. Physical Review Letters, 2003, 91, 197201.	2.9	198
4	Two-Qubit Gate of Combined Single-Spin Rotation and Interdot Spin Exchange in a Double Quantum Dot. Physical Review Letters, 2011, 107, 146801.	2.9	192
5	Resistivity due to Domain Walls in Co Zigzag Wires. Physical Review Letters, 1999, 82, 2780-2783.	2.9	129
6	Observation of 4d ferromagnetism in free-standing Pd fine particles. Europhysics Letters, 1997, 38, 195-200.	0.7	126
7	Effects of sodium on electrical properties in Cu ₂ ZnSnS ₄ single crystal. Applied Physics Letters, 2014, 104, .	1.5	113
8	High temperature ferromagnetism in single crystalline dilute Fe-doped Ba _{0.9} Ti _{0.1} O ₃ . Physical Review B, 2008, 77, .	1.1	104
9	Ferromagnetism and Electronic Structures of Nonstoichiometric Heusler-Alloy Fe ₂ Mo ₃ Grown on Ge(111). Physical Review Letters, 2009, 102, 137204.	2.9	94
10	Electric-field control of magnetism via strain transfer across ferromagnetic/ferroelectric interfaces. Journal of Physics Condensed Matter, 2015, 27, 504001.	0.7	93
11	Spin transport through a single self-assembled InAs quantum dot with ferromagnetic leads. Applied Physics Letters, 2007, 90, 053108.	1.5	83
12	Manipulation of magnetic coercivity of Fe film in Fe/BaTiO ₃ heterostructure by electric field. Applied Physics Letters, 2011, 99, 102506.	1.5	83
13	Field-induced order-disorder transition in the quasi-one-dimensional anisotropic antiferromagnet BaCo ₂ V ₂ O ₈ . Physical Review B, 2005, 72, .	1.1	81
14	Field-Induced Order-Disorder Transition in Antiferromagnetic BaCo ₂ V ₂ O ₈ Driven by a Softening of Spinon Excitation. Physical Review Letters, 2007, 99, 087602.	2.9	81
15	Sequential write-read operations in FeRh antiferromagnetic memory. Applied Physics Letters, 2015, 107, .	1.5	79
16	Origin of Giant Dielectric Response in Nonferroelectric CaCu ₃ Ti ₄ O ₁₂ : Inhomogeneous Conduction Nature Probed by Atomic Force Microscopy. Chemistry of Materials, 2008, 20, 1694-1698.	3.2	77
17	Crystal Growth and Magnetic Properties of BaCo ₂ V ₂ O ₈ . Chemistry of Materials, 2005, 17, 2924-2926.	3.2	76
18	Electric-field control of tunneling magnetoresistance effect in a Ni ²⁺ /InAs ²⁺ /Ni quantum-dot spin valve. Applied Physics Letters, 2007, 91, .	1.5	75

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19	Novel Ordering of an $S=2$ Ising-Like Antiferromagnet in Magnetic Field. Physical Review Letters, 2008, 100, 057202.	2.9	73
20	Kondo effect in a semiconductor quantum dot coupled to ferromagnetic electrodes. Applied Physics Letters, 2007, 91, .	1.5	70
21	Magnetotransport study of temperature dependent magnetic anisotropy in a (Ga,Mn)As epilayer. Journal of Applied Physics, 2003, 94, 7657.	1.1	69
22	Preparation of Cu ₂ ZnSnS ₄ single crystals from Sn solutions. Journal of Crystal Growth, 2012, 341, 38-41.	0.7	69
23	Correlation between intrinsic defects and electrical properties in the high-quality Cu ₂ ZnSnS ₄ single crystal. Applied Physics Letters, 2013, 103, .	1.5	69
24	Stability of ferromagnetic state of epitaxially grown ordered FeRh thin films. Journal of Applied Physics, 2009, 105, .	1.1	68
25	Electric-field switching of perpendicularly magnetized multilayers. NPG Asia Materials, 2015, 7, e198-e198.	3.8	65
26	Electrical and optical spin injection in ferromagnet/semiconductor heterostructures. NPG Asia Materials, 2011, 3, 65-73.	3.8	61
27	Oscillatory changes in the tunneling magnetoresistance effect in semiconductor quantum-dot spin valves. Physical Review B, 2008, 77, .	1.1	59
28	Reversible Electric-Field-Driven Magnetic Domain-Wall Motion. Physical Review X, 2015, 5, .	2.8	58
29	Switching of the symmetry of magnetic anisotropy in Fe/BaTiO ₃ heterostructures. Applied Physics Letters, 2011, 99, .	1.5	53
30	Size dependence of martensite transformation temperature in ferromagnetic shape memory alloy FePd. Journal of Applied Physics, 2008, 103, 063910.	1.1	52
31	Coherent manipulation of individual electron spin in a double quantum dot integrated with a micromagnet. Physical Review B, 2010, 81, .	1.1	52
32	Elastically controlled magnetic phase transition in Ga-FeRh/BaTiO ₃ (001) heterostructure. Applied Physics Letters, 2014, 104, 022401.	1.5	52
33	Longitudinal Spin Density Wave Order in a Quasi-1D Ising-like Quantum Antiferromagnet. Physical Review Letters, 2008, 101, 207201.	2.9	51
34	Efficient spin injection into GaAs quantum well across Fe ₃ O ₄ spin filter. Applied Physics Letters, 2010, 96, 102510.	1.5	49
35	Triple quantum dot device designed for three spin qubits. Applied Physics Letters, 2010, 97, .	1.5	47
36	Alternating domains with uniaxial and biaxial magnetic anisotropy in epitaxial Fe films on BaTiO ₃ . Applied Physics Letters, 2012, 101, .	1.5	47

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37	Enhancement of Ultrahigh Rate Chargeability by Interfacial Nanodot BaTiO ₃ Treatment on LiCoO ₂ Cathode Thin Film Batteries. Nano Letters, 2019, 19, 1688-1694.	4.5	47
38	Strain-induced reversible and irreversible magnetization switching in Fe/BaTiO ₃ heterostructures. Journal of Applied Physics, 2012, 111, .	1.1	45
39	Piezoelectric properties of lithium modified silver niobate perovskite single crystals. Applied Physics Letters, 2008, 92, .	1.5	44
40	Epitaxial growth of metastable multiferroic AlFeO ₃ film on SrTiO ₃ (111) substrate. Applied Physics Letters, 2014, 104, 082906.	1.5	44
41	Electronic properties of the metallic pyrochlore ruthenates Pb ₂ Ru ₂ O _{6.5} and Bi ₂ Ru ₂ O ₇ . Physical Review B, 2006, 73, .	1.1	43
42	Cation order and magnetic properties of double perovskite Sr ₂ FeMoO ₆ . Journal of Applied Physics, 2003, 93, 2816-2819.	1.1	41
43	Growth of Cu ₂ ZnSnSe ₄ single crystals from Sn solutions. Journal of Crystal Growth, 2012, 354, 147-151.	0.7	41
44	Mixed Magnetic Phases in (Ga,Mn)As Epilayers. Physical Review Letters, 2005, 94, 147203.	2.9	40
45	Ferromagnetism at the surface of a LaCoO ₃ single crystal observed using scanning SQUID microscopy. Physical Review B, 2007, 75, .	1.1	40
46	Ferroelectricity and electromechanical coupling in (1-x)AgNbO ₃ -(x)NaNbO ₃ solid solutions. Applied Physics Letters, 2011, 99, .	1.5	40
47	Spin-Related Current Suppression in a Semiconductor Quantum Dot Spin-Diode Structure. Physical Review Letters, 2009, 102, 236806.	2.9	39
48	Clear correspondence between magnetoresistance and magnetization of epitaxially grown ordered FeRh thin films. Journal of Applied Physics, 2011, 109, .	1.1	39
49	Antiferromagnetic-paramagnetic transitions in longitudinal and transverse magnetic fields in a SrCo ₂ V ₂ O ₈ crystal. Physical Review B, 2006, 73, .	1.1	37
50	Large magnetic anisotropy in the quasi-one-dimensional system BaCo ₂ V ₂ O ₈ . Applied Physics Letters, 2006, 88, 132504.	1.5	33
51	Magnetic anisotropy switching in (Ga,Mn)As with increasing hole concentration. Physical Review B, 2006, 74, .	1.1	33
52	Collapse of Magnetic Order of the Quasi One-Dimensional Ising-Like Antiferromagnet BaCo ₂ V ₂ O ₈ in Transverse Fields. Journal of the Physical Society of Japan, 2013, 82, 033706.	0.7	33
53	Spin-selective transport through Fe/AlO _x /GaAs(100) interfaces under optical spin orientation. Physical Review B, 2003, 68, .	1.1	32
54	Magnetic properties of Pd _{2.9} at.% Fe fine particles. Physical Review B, 1997, 55, 977-982.	1.1	30

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55	Control of domain structures and magnetotransport properties in patterned ferromagnetic wires. Applied Physics Letters, 2000, 76, 613-615.	1.5	30
56	Magneto-optical properties and morphology of particulate film consisting of Bi-YIG coprecipitated particles. Journal of Magnetism and Magnetic Materials, 2002, 241, 201-206.	1.0	28
57	Growth and characterization of Cu ₂ ZnSnS ₄ single crystals. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 1328-1331.	0.8	26
58	Controllable exchange bias in Fe/metamagnetic FeRh bilayers. Applied Physics Letters, 2014, 105, .	1.5	26
59	Magnetic relaxation in Ga _{0.6} Mo ₂ S ₄ spinel. Journal of Applied Physics, 1998, 83, 6323-6325.	1.1	25
60	Contribution of Shape Anisotropy to the Magnetic Configuration of (Ga, Mn)As. Japanese Journal of Applied Physics, 2004, 43, L306-L308.	0.8	25
61	Proton conductivity of zirconium tricarboxybutylphosphonate/PBI nanocomposite membrane. Science and Technology of Advanced Materials, 2004, 5, 455-459.	2.8	25
62	Artificially controlled magnetic domain structures in ferromagnetic dots•ferroelectric heterostructures. Journal of Applied Physics, 2009, 105, 07D901.	1.1	25
63	Effect of spin polarized current on magnetic phase transition of ordered FeRh wires. Journal of Applied Physics, 2011, 109, 07C911.	1.1	25
64	Ferroelectricity of Li-doped silver niobate (Ag, Li)NbO ₃ . Journal of Physics Condensed Matter, 2011, 23, 075901.	0.7	25
65	Crystal Isomers of ScFeO ₃ . Crystal Growth and Design, 2016, 16, 5214-5222.	1.4	25
66	Electric•Field Control of Propagating Spin Waves by Ferroelectric Domain•Wall Motion in a Multiferroic Heterostructure. Advanced Materials, 2021, 33, e2100646.	11.1	25
67	Strain-induced anisotropic low-field magnetoresistance of La•Sr•Mn•O thin films. Journal of Applied Physics, 2001, 90, 6145-6150.	1.1	23
68	Comparative study of phase transitions in BaTiO ₃ thin films grown on (001)- and (110)-oriented SrTiO ₃ substrate. Journal of Physics Condensed Matter, 2013, 25, 132001.	0.7	23
69	The single-crystal multinary compound Cu ₂ ZnSnS ₄ as an environmentally friendly high-performance thermoelectric material. Applied Physics Express, 2018, 11, 051203.	1.1	23
70	Electrical voltage manipulation of ferromagnetic microdomain structures in a ferromagnetic/ferroelectric hybrid structure. Journal of Applied Physics, 2007, 101, 09F512.	1.1	22
71	Cation-Deficiency-Induced Crystal-Site Engineering for ZnGa ₂ O ₄ :Mn ²⁺ Thin Film. Inorganic Chemistry, 2020, 59, 8744-8748.	1.9	22
72	Thermo-physical properties of Cu ₂ ZnSnS ₄ single crystal. Journal of Crystal Growth, 2014, 393, 167-170.	0.7	21

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73	Strain-induced reversible manipulation of orbital magnetic moments in Ni/Cu multilayers on ferroelectric BaTiO ₃ . Npj Quantum Materials, 2019, 4, .	1.8	21
74	High field magnetism of the quasi one-dimensional anisotropic antiferromagnet BaCo ₂ V ₂ O ₈ . Journal of Physics: Conference Series, 2006, 51, 99-102.	0.3	20
75	Growth and characterization of Cu ₂ ZnSn(S _{1-x} Se _x) ₄ alloys grown by the melting method. Journal of Crystal Growth, 2014, 386, 204-207.	0.7	20
76	Magnetotransport and Mössbauer study of Fe ₃ O ₄ /Fe ₂ O ₃ granular thin films. Journal of Applied Physics, 2001, 89, 7693-7695.	1.1	18
77	Anisotropy field distribution of partially ordered FePt nanoparticles. Journal of Applied Physics, 2004, 95, 7261-7263.	1.1	17
78	Analysis of atomic arrangement in magnetic FePt nanoparticles. Journal of Magnetism and Magnetic Materials, 2006, 300, 284-292.	1.0	17
79	Growth of Cu ₂ ZnSnS ₄ Single Crystal by Traveling Heater Method. Japanese Journal of Applied Physics, 2011, 50, 128001.	0.8	17
80	Direct evidence for suppression of the Kondo effect due to pure spin current. Physical Review B, 2016, 94, .	1.1	17
81	Low temperature preparation and performance of Ni/YSZ anode with a multi-layered structure for SOFC. Journal of Power Sources, 2004, 135, 25-28.	4.0	16
82	Electric-voltage control of magnetism in Fe/BaTiO ₃ heterostructured multiferroics. Journal of Applied Physics, 2013, 113, 17C701.	1.1	16
83	Flux Growth and Magnetic Anomalies of Co ₃ V ₂ O ₈ Crystals. Crystal Growth and Design, 2007, 7, 1055-1057.	1.4	15
84	Novel Phase Transition Probed by Sound Velocity in Quasi-One-Dimensional Ising-Like Antiferromagnet BaCo ₂ V ₂ O ₈ . Journal of the Physical Society of Japan, 2011, 80, 033701.	0.7	15
85	Evidence of ferroelectricity in ferrimagnetic γ -Al ₂ O ₃ -type In _{0.25} Fe _{1.75} O ₃ films. Applied Physics Letters, 2016, 109, .	1.5	15
86	Intraparticle structure in ultra-fine ZnFe ₂ O ₄ particles. Physica B: Condensed Matter, 1995, 213-214, 251-253.	1.3	14
87	Origin of the dielectric response in Ba _{0.767} Ca _{0.233} TiO ₃ . Applied Physics Letters, 2012, 100, .	1.5	14
88	Current induced antiferro-ferromagnetic transition in FeRh nanowires. Japanese Journal of Applied Physics, 2015, 54, 073002.	0.8	14
89	Crystal structure and magnetism in γ -Al ₂ O ₃ -type Al _x Fe _{2-x} O ₃ films on SrTiO ₃ (111). Journal of Applied Physics, 2017, 122, 015301.	1.1	14
90	Shear-strain-mediated large nonvolatile tuning of ferromagnetic resonance by an electric field in multiferroic heterostructures. NPG Asia Materials, 2021, 13, .	3.8	14

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91	Crossover of electron transmission mechanism and spin filtering effect at Fe ²⁺ -GaAs(001) interfaces. Journal of Applied Physics, 2008, 103, 07A702.	1.1	13
92	Switchable third ScFeO ₃ polar ferromagnet with YMnO ₃ -type structure. Journal of Materials Chemistry C, 2020, 8, 4447-4452.	2.7	13
93	Selective dry etching of manganite thin films for high sensitive magnetoresistive sensors. Journal of Magnetism and Magnetic Materials, 2001, 235, 223-226.	1.0	12
94	Asymmetric Transport due to Spin Injection into a Kondo Alloy. Physical Review Letters, 2003, 90, 016601.	2.9	12
95	Significant Change in In-Plane Magnetic Anisotropy of (Ga,Mn)As Epilayer Induced by Low-Temperature Annealing. Japanese Journal of Applied Physics, 2004, 43, L904-L906.	0.8	12
96	Dynamic relaxation of magnetic clusters in a ferromagnetic(Ga,Mn)Asepilayer. Physical Review B, 2006, 73, .	1.1	12
97	Crystal growth and magnetic properties of SrCo ₂ V ₂ O ₈ . Journal of Crystal Growth, 2006, 293, 458-461.	0.7	12
98	Structural and magnetic characterization of Mn-doped ZnO films grown by spray pyrolysis method. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 148, 234-236.	1.7	12
99	Barkhausen-like antiferromagnetic to ferromagnetic phase transition driven by spin polarized current. Applied Physics Letters, 2015, 107, .	1.5	12
100	Voltage-driven strain-induced coexistence of both volatile and non-volatile interfacial magnetoelectric behaviors in LSMO/PMN-PT (0 ^o ≤θ≤90 ^o). Journal Physics D: Applied Physics, 2020, 53, 054003. ^{1,3}		12
101	Tunneling magnetoresistance effect in a few-electron quantum-dot spin valve. Applied Physics Letters, 2008, 93, 222107.	1.5	11
102	Structural Modification and Domain Structure in a BaTiO ₃ Film on (110) SrTiO ₃ . Applied Physics Express, 2013, 6, 015803.	1.1	11
103	Growth and characterization of Cu ₂ ZnSn(S Se ¹⁺) ₄ single crystal grown by traveling heater method. Journal of Crystal Growth, 2015, 423, 9-15.	0.7	11
104	The effect of relative permittivity of surface supporting materials for high-speed rechargeable LiCoO ₂ cathode film. Journal of Power Sources, 2019, 441, 227194.	4.0	11
105	Ferromagnetism of Pd fine particles. Physica B: Condensed Matter, 1997, 237-238, 286-288.	1.3	10
106	Magnetoresistance of manganite thin films induced by reaction with substrate. Journal of Applied Physics, 2001, 89, 6320-6323.	1.1	10
107	Inversion of Spin Photocurrent due to Resonant Transmission. Physical Review Letters, 2010, 105, 156601.	2.9	10
108	Interfacial spin-glass-like state in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Mn</mml:mi><mml:mn>5</mml:mn></mml:mrow></mml:math> crystalline films grown on germanium substrates. Physical Review B, 2015, 91, .		

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109	Electric-field-driven domain wall dynamics in perpendicularly magnetized multilayers. AIP Advances, 2017, 7, 035119.	0.6	10
110	Magnetization Reversal in Fe/BaTiO ₃ (110) Heterostructured Multiferroics. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700294.	1.2	10
111	Spin selective transport at the ferromagnet/semiconductor interface. Current Applied Physics, 2003, 3, 429-432.	1.1	9
112	Control of magnetic anisotropy and magnetotransport in epitaxial micropatterned (Ga,Mn)As wire structures. IEEE Transactions on Magnetics, 2003, 39, 2785-2787.	1.2	9
113	Intraparticle structure of Pd fine particles. Physica B: Condensed Matter, 1995, 213-214, 254-256.	1.3	8
114	Magnetoresistance of zigzag-shaped cobalt wires. Journal of Magnetism and Magnetic Materials, 1999, 196-197, 77-79.	1.0	8
115	Size dependent magnetization of PdFe fine particles. Journal of Magnetism and Magnetic Materials, 1999, 196-197, 94-95.	1.0	8
116	Room-temperature and low-field magnetoresistance of La-Sr-Mn-O thin films. IEEE Transactions on Magnetics, 1999, 35, 2844-2846.	1.2	8
117	Growth behavior and surface feature of quasi-one-dimensional anisotropic antiferromagnet BaCo ₂ V ₂ O ₈ crystal. Journal of Crystal Growth, 2006, 289, 734-736.	0.7	8
118	Two magnetic phase transitions in quasi-one-dimensional system SrCo ₂ V ₂ O ₈ . Solid State Communications, 2007, 141, 667-670.	0.9	8
119	Selective Manipulation of Electron Spins with Electric Fields. Progress of Theoretical Physics Supplement, 2008, 176, 322-340.	0.2	8
120	Optically spin oriented electron transmission across fully epitaxial Fe ₃ O ₄ /GaAs(001) interfaces. Journal of Applied Physics, 2008, 103, 07D705.	1.1	8
121	Phonon Dynamics in BiFeO ₃ Studied by Raman Scattering. Ferroelectrics, 2010, 403, 187-190.	0.3	8
122	Peculiarities of Linear Thermal Expansion of CuInS ₂ Single Crystals. Japanese Journal of Applied Physics, 2011, 50, 05FB04.	0.8	8
123	Electric field driven variation in magnetoresistance of Co/Cu/Fe/BaTiO ₃ heterostructure. Journal of Applied Physics, 2013, 113, 17C713.	1.1	8
124	Low-temperature and magnetic properties of B ₂ Fe ₁₀₀ on bcc alloys. Physical Review B, 2015, 92, .	1.1	8
125	Magnetic and magneto-transport properties of ⁵⁷ Fe ₂ O ₃ -grain-embedded Fe ₃ O ₄ thin films. Journal of Applied Physics, 2000, 87, 5585-5587.	1.1	7
126	Effect of Ga ⁺ irradiation on magnetic and magnetotransport properties in (Ga,Mn)As epilayers. Journal of Applied Physics, 2005, 97, 10D302.	1.1	7

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127	Long-range antiferromagnetic ordering in Cu ₂ NiB ₂ O ₆ . Journal of Solid State Chemistry, 2006, 179, 3937-3941.	1.4	7
128	Conductive Boundary Layer in CaCu ₃ Ti ₄ O ₁₂ with Giant-Dielectric-Response. Ferroelectrics, 2007, 347, 140-144.	0.3	7
129	Strain-mediated magnetic response in La _{0.67} Sr _{0.33} MnO ₃ /SrTiO ₃ /La _{0.67} Sr _{0.33} MnO ₃ /BaTiO ₃ structure. AIP Advances, 2018, 8, .	0.6	7
130	Effects of chalcogen composition on the thermoelectric properties in Cu ₂ ZnSn(S _{1-x} Se _x) ₄ single crystals. Japanese Journal of Applied Physics, 2018, 57, 101201.	0.8	7
131	Effect of the shape anisotropy on the magnetic configuration of (Ga,Mn)As and its evolution with temperature. Journal of Applied Physics, 2006, 99, 123901.	1.1	6
132	Perpendicularly magnetized spin filtering Cu/Ni multilayers. Applied Physics Letters, 2014, 104, 032404.	1.5	6
133	Lateral electric-field control of giant magnetoresistance in Co/Cu/Fe/BaTiO ₃ multiferroic heterostructure. Applied Physics Letters, 2015, 107, .	1.5	6
134	Change in magnetization of ferromagnetic Pd(001) ultrathin films induced by the strain effect of BaTiO ₃ . Applied Physics Letters, 2018, 112, 142409.	1.5	6
135	Spin torque in FeRh alloy measured by spin-torque ferromagnetic resonance. Applied Physics Express, 2018, 11, 013008.	1.1	6
136	Magnetotransport and spin configurations in patterned ferromagnetic wires. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 1850-1852.	1.0	5
137	Ferromagnetism of gas-evaporated Pd fine particles in mesoscopic size. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1181-E1182.	1.0	5
138	Ion Irradiation Control of Ferromagnetism in (Ga,Mn)As. Japanese Journal of Applied Physics, 2005, 44, L816-L818.	0.8	5
139	Magnetic behavior and structural feature of quasi-one-dimensional BaCu ₂ V ₂ O ₈ crystal. Journal of Magnetism and Magnetic Materials, 2006, 306, 277-280.	1.0	5
140	Field Induced Lattice Deformation in a Quasi-One-Dimensional Antiferromagnet BaCo ₂ V ₂ O ₈ . Journal of the Physical Society of Japan, 2010, 79, 043706.	0.7	5
141	The effects of BaTiO ₃ nanodots density support on epitaxial LiCoO ₂ thin-film for high-speed rechargeability. Electrochemistry Communications, 2019, 109, 106604.	2.3	5
142	Compositional dependence of Gilbert damping constant of epitaxial Fe _{100-x} Rh _x thin films. Applied Physics Letters, 2019, 115, 142403.	1.5	5
143	In-plane ferroelectricity and enhanced Curie temperature in perovskite BaTiO ₃ epitaxial thin films. Applied Physics Letters, 2020, 117, .	1.5	5
144	Magnetism of AuFe nanoparticles. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1996, 217-218, 319-321.	2.6	4

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145	Bias dependent intergrain tunneling in lanthanum manganite thin films. IEEE Transactions on Magnetism, 1999, 35, 2859-2861.	1.2	4
146	Crossover of magnetotransport process toward spin-polarized tunneling in manganite thin films. Applied Physics Letters, 2002, 81, 4562-4564.	1.5	4
147	Optical Studies of Electron Spin Transmission. , 2005, , 59-100.		4
148	Reply to Comment on "Origin of Giant Dielectric Response in Nonferroelectric CaCu ₃ Ti ₄ O ₁₂ : Inhomogeneous Conduction Nature Probed by Atomic Force Microscopy" Chemistry of Materials, 2008, 20, 6286-6287.	3.2	4
149	Synthesis and Magnetic Properties of Ba ₂ Mn ₂ Si ₂ O ₉ : the First Example of $S=2$ Spin-Dimer with Spin-Singlet Ground State. Chemistry - an Asian Journal, 2009, 4, 1530-1535.	1.7	4
150	Spin polarized electron transmission into GaAs quantum well across Fe ₃ O ₄ : Optical spin orientation analysis. Applied Physics Letters, 2010, 97, 172509.	1.5	4
151	Exchange coupling in metallic multilayers with a top FeRh layer. AIP Advances, 2016, 6, .	0.6	4
152	Transmission of spin waves in ordered FeRh epitaxial thin films. Applied Physics Letters, 2016, 108, .	1.5	4
153	Surface morphology and dielectric behavior of perovskite SrTiO ₃ thin film in heterostructure electroluminescence devices. Current Applied Physics, 2017, 17, 657-660.	1.1	4
154	Strain Mediated in-Plane Uniaxial Magnetic Anisotropy in Amorphous CoFeB Films Based on Structural Phase Transitions of BaTiO ₃ Single-Crystal Substrates. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1700762.	0.8	4
155	Magnetic properties of Single Crystal GaFeO ₃ . MRS Advances, 2019, 4, 61-66.	0.5	4
156	Bandgap tuning and optimization of green-emitting Zn ₂ SnO ₄ -Mg ₂ SnO ₄ :Mn ²⁺ using combinatorial pulsed laser deposition. Ceramics International, 2020, 46, 21771-21774.	2.3	4
157	Temperature dependence of the effective Gilbert damping constant of FeRh thin films. AIP Advances, 2021, 11, .	0.6	4
158	Nonlinear susceptibility of ferromagnetic Ga _{0.6} Mo ₂ S ₄ spinel. Journal of Magnetism and Magnetic Materials, 1998, 177-181, 263-264.	1.0	3
159	Magnetic properties, oxygen content and metal valences in BaRE(Cu _{0.5} Fe _{0.5}) ₂ O ₅ + δ with RE=Lu, Yb, Y, Eu, Sm, Nd and Pr. Physica C: Superconductivity and Its Applications, 2000, 338, 132-136.	0.6	3
160	Anisotropic Magnetotransport due to Uniaxial Magnetic Anisotropy in (Ga,Mn)As Wires. IEEE Transactions on Magnetism, 2004, 40, 2682-2684.	1.2	3
161	Dynamical polarization effect of nuclear spin bath dragged by electron spin resonance in double quantum dot integrated with micro-magnet. Journal of Physics: Conference Series, 2009, 193, 012046.	0.3	3
162	High-Rate Performance of LiCoO ₂ Epitaxial Thin Films with Various Surface Conditions. MRS Advances, 2018, 3, 1243-1247.	0.5	3

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163	Zero-field routing of spin waves in a multiferroic heterostructure. Applied Physics Letters, 2022, 120, .	1.5	3
164	Magnetization process of zigzag shaped Co wires. IEEE Transactions on Magnetism, 1999, 35, 3478-3480.	1.2	2
165	Improvement in magneto-optical properties of Bi-YIG particulate films by reduction in particle size. IEEE Transactions on Magnetism, 2001, 37, 2432-2434.	1.2	2
166	Correlation between ferromagnetism and hole localization in very thin (Ga,Mn)As epilayers. Journal of Applied Physics, 2005, 97, 10D301.	1.1	2
167	XMCD Study of Dilutely Fe Doped Pd Fine Particles. Journal of the Physical Society of Japan, 2005, 74, 1044-1048.	0.7	2
168	Size and field effect on mesoscopic spin glass. Journal of Magnetism and Magnetic Materials, 2007, 310, 1500-1502.	1.0	2
169	Low temperature magnetism of the $S=1/2$ quasi one-dimensional Ising-like antiferromagnet BaCo ₂ V ₂ O ₈ . Journal of Physics: Conference Series, 2009, 150, 042090.	0.3	2
170	Inversion of spin dependent photocurrent at Fe ₃ O ₄ /modulation doped GaAs heterointerfaces. Journal of Applied Physics, 2011, 109, 07E105.	1.1	2
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