

Hiroyuki Akinaga

List of Publications by Year in descending order

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276
papers

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times ranked

5182
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-Frequency Noise Spectroscopy of TaO _x -based Resistive Switching Memory. <i>Advanced Electronic Materials</i> , 2022, 8, 2100758.	2.6	7
2	Operando observation of analog resistance change in a buried metal/oxide interface by a laser-excited photoemission electron microscope. <i>Japanese Journal of Applied Physics</i> , 2022, 61, SM1001.	0.8	3
3	Memristors With Controllable Data Volatility by Loading Metal Ion-Added Ionic Liquids. <i>Frontiers in Nanotechnology</i> , 2021, 3, .	2.4	5
4	Control of the data-retention characteristics of ionic-liquid conducting-bridge memory by designing device structures based on corrosion mechanisms. <i>Applied Physics Express</i> , 2021, 14, 084005.	1.1	0
5	Liquid-Solid Hybrid Memory Device Achieved by Unique Features of Ionic Liquids. <i>IEEE Access</i> , 2021, 9, 71013-71021.	2.6	2
6	Investigation of Statistical Metal-Insulator Transition Properties of Electronic Domains in Spatially Confined VO ₂ Nanostructure. <i>Crystals</i> , 2020, 10, 631.	1.0	14
7	Reliable operation of a molecular-gap atomic switch in a vacuum achieved by covering with an ionic liquid. <i>Japanese Journal of Applied Physics</i> , 2020, 59, S11F04.	0.8	0
8	Single-Molecular Bridging in Static Metal Nanogap Electrodes Using Migrations of Metal Atoms. <i>Journal of Physical Chemistry C</i> , 2020, 124, 14007-14015.	1.5	9
9	Operando observation of resistive switching in a resistive random-access memory by laser-excited photoemission electron microscope. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SGGB02.	0.8	6
10	Feedback Electromigration Assisted by Alternative Voltage Operation for the Fabrication of Facet-Edge Nanogap Electrodes. <i>ACS Applied Nano Materials</i> , 2020, 3, 4077-4083.	2.4	11
11	Formation and dissolution of conductive channels in an Ag ₂ S-islands network. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SN1011.	0.8	4
12	Recent advances and future prospects in energy harvesting technologies. <i>Japanese Journal of Applied Physics</i> , 2020, 59, 110201.	0.8	68
13	Three-Dimensional Nanoconfinement Supports Verwey Transition in Fe ₃ O ₄ Nanowire at 10 nm Length Scale. <i>Nano Letters</i> , 2019, 19, 5003-5010.	4.5	14
14	Reinforcement Learning System Comprising Resistive Analog Neuromorphic Devices. , 2019, , .		2
15	Nanofabrication Technologies for All. <i>Sensors and Materials</i> , 2019, 31, 2477.	0.3	1
16	From Memory to Sensor: ultra-Low Power and High Selectivity Hydrogen Sensor Based on ReRAM Technology. , 2018, , .		0
17	Thermal robustness evaluation of nonvolatile memory using Pt nanogaps. <i>Applied Physics Express</i> , 2018, 11, 085202.	1.1	3
18	Electrode Material Dependence of Resistance Change Behavior in Ta ₂ O ₅ Resistive Analog Neuromorphic Device. <i>IEEE Journal of the Electron Devices Society</i> , 2018, 6, 1220-1226.	1.2	9

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19	From Memory to Sensor: Ultralow Power and High Selectivity Hydrogen Sensor Based on ReRAM Technology. IEEE Transactions on Electron Devices, 2018, 65, 5189-5194.	1.6	9
20	Focus on advanced materials for energy harvesting: prospects and approaches of energy harvesting technologies. Science and Technology of Advanced Materials, 2018, 19, 543-544.	2.8	16
21	Investigations of electrical transport properties of individual carbon nanotubes with nanoprobe. Japanese Journal of Applied Physics, 2016, 55, 06JH01.	0.8	1
22	Investigation of switching mechanism in HfO _x -ReRAM under low power and conventional operation modes. Scientific Reports, 2016, 6, 39510.	1.6	20
23	Impact of inserted Ta ultrathin layer and postdeposition annealing on the forming voltage of Ir/Ti/Ta/HfO ₂ /TiN/Ti/SiO ₂ /Si resistive switching devices. Japanese Journal of Applied Physics, 2015, 54, 04DD10.	0.8	0
24	First-Principles Transport Modeling for Metal/Insulator/Metal Structures. , 2014, , .		1
25	Highly oriented polycrystalline Cu ₂ O film formation using RF magnetron sputtering deposition for solar cells. , 2014, , .		3
26	Design of ReRAM cell structure by metal buffer and contact engineering via first-principles transport calculations. , 2014, , .		1
27	Material dependence of magnetic force microscopy performance using carbon nanotube probes: Experiments and simulation. Journal of Applied Physics, 2014, 115, 093907.	1.1	1
28	Cu ₂ O/ZnO Heterojunction Solar Cells Fabricated by Magnetron-Sputter Deposition Method Films Using Sintered Ceramics Targets. Journal of Physics: Conference Series, 2013, 433, 012027.	0.3	29
29	First-Principles Modeling for Current-Voltage Characteristics of Resistive Random Access Memories. Materials Research Society Symposia Proceedings, 2013, 1562, 1.	0.1	0
30	Research Updates: The three M's (materials, metrology, and modeling) together pave the path to future nanoelectronic technologies. APL Materials, 2013, 1, .	2.2	58
31	Recent Advances and Future Prospects in Functional-Oxide Nanoelectronics: The Emerging Materials and Novel Functionalities that are Accelerating Semiconductor Device Research and Development. Japanese Journal of Applied Physics, 2013, 52, 100001.	0.8	37
32	Characterization and Control of Nanostructure Size Variation. Japanese Journal of Applied Physics, 2012, 51, 05EC05.	0.8	2
33	In-situ nanoscale characterization of annealing effect on TiN/Ti/HfO _x /TiN Structure for Resistive Random Access Memory (ReRAM). , 2012, , .		2
34	Self-Assembled Growth of Spinel (Fe,Zn) ₃ O ₄ Perovskite BiFeO ₃ Nanocomposite Structures Using Pulsed Laser Deposition. Japanese Journal of Applied Physics, 2012, 51, 035504.	0.8	4
35	ReRAM technology; challenges and prospects. IEICE Electronics Express, 2012, 9, 795-807.	0.3	29
36	Hierarchical Three-Dimensional Layer-by-Layer Assembly of Carbon Nanotube Wafers for Integrated Nanoelectronic Devices. Nano Letters, 2012, 12, 4540-4545.	4.5	23

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37	The advantages of the magnetic structure in ferromagnetic-film-coated carbon nanotube probes. Nanotechnology, 2012, 23, 035501.	1.3	9
38	Effect of Annealing Temperature on TiO_2 -Based Thin-Film-Transistor Performance. IEEE Electron Device Letters, 2012, 33, 1009-1011.	2.2	21
39	Epitaxial growth and magnetic characterization of ferromagnetic Co ₄ N thin films on SrTiO ₃ (001) substrates by molecular beam epitaxy. Journal of Crystal Growth, 2011, 336, 40-43.	0.7	35
40	Room temperature magnetoresistance in Fe ₃ Si/CaF ₂ /Fe ₃ Si MTJ epitaxially grown on Si(111). Journal of Physics: Conference Series, 2011, 266, 012088.	0.3	9
41	Mechanism of the performance improvement of TiO ₂ -based field-effect transistor using SiO ₂ as gate insulator. AIP Advances, 2011, 1, .	0.6	14
42	Fabrication of Fe ₃ Si/CaF ₂ heterostructures ferromagnetic resonant tunneling diode by selected-area molecular beam epitaxy. Thin Solid Films, 2011, 519, 8509-8511.	0.8	1
43	Magnetoresistance characteristics of $\text{TiO}_2/\text{Fe}_3\text{Si}/\text{CaF}_2/\text{Fe}_3\text{Si}$ resonant tunneling diodes. Journal of Applied Physics, 2011, 110, 044301.	1.2	1
44	Molecular beam epitaxy of ferromagnetic Fe^{2+} -Fe ₄ N thin films on LaAlO ₃ (1 0 0), SrTiO ₃ (1 0 0) and MgO(1 0 0) substrates. Journal of Crystal Growth, 2011, 322, 63-68.	0.7	40
45	Dependence of Resonant Voltage on Quantum-Well Width in CaF ₂ /Fe ₃ Si/CaF ₂ Resonant Tunneling Diodes. Japanese Journal of Applied Physics, 2011, 50, 108002.	0.8	2
46	Improvement of Rectifying Property in Pt/TiO _x /Pt by Controlling Oxidization of TiO _x Layer. Japanese Journal of Applied Physics, 2011, 50, 04DH04.	0.8	1
47	X-ray magnetic circular dichroism of ferromagnetic Co ₄ N epitaxial films on SrTiO ₃ (001) substrates grown by molecular beam epitaxy. Applied Physics Letters, 2011, 99, 252501.	1.5	23
48	Direct observation of the spin configurations of vertical Bloch line. Applied Physics Letters, 2011, 98, .	1.5	5
49	Spin and orbital magnetic moments of molecular beam epitaxy Fe^{2+} -Fe ₄ N films on LaAlO ₃ (001) and MgO(001) substrates by x-ray magnetic circular dichroism. Applied Physics Letters, 2011, 98, .	1.5	36
50	Observation of magnetic domain structures in epitaxial MnAs film on GaAs(001) with temperature hysteresis. Applied Physics Letters, 2011, 98, .	1.5	13
51	Determining the low-coercivity temperature coefficient in FePt (fcc)/FePt (fcc) nanocomposite films. Journal of Physics: Conference Series, 2010, 200, 072106.	0.3	1
52	Resistive Random Access Memory (ReRAM) Based on Metal Oxides. Proceedings of the IEEE, 2010, 98, 2237-2251.	16.4	860
53	Origin of perpendicular magnetic anisotropy and evolution of magnetic domain structure of amorphous $\text{Pr}^{\text{TM}}\text{B}$ (TM=Fe, Co) films. Journal of Magnetism and Magnetic Materials, 2010, 322, 900-908.	1.0	18
54	Rectifying characteristic of Pt/TiO _x /metal/Pt controlled by electronegativity. Applied Physics Letters, 2010, 96, .	1.5	38

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55	Nanoscale chemical state analysis of resistance random access memory device reacting with Ti. Applied Physics Letters, 2010, 96, 192107.	1.5	6
56	Structural And Magnetic Properties Of Mn-Doped SiC. , 2010, , .		5
57	Transient Current Study on Pt/TiO _{2-x} /Pt Capacitor. Japanese Journal of Applied Physics, 2010, 49, 04DJ15.	0.8	3
58	Improved Reproducibility in CaF ₂ /Fe ₃ Si/CaF ₂ Ferromagnetic Resonant Tunneling Diodes on Si(111) Substrates by Selected-Area Molecular Beam Epitaxy. Japanese Journal of Applied Physics, 2010, 49, 060212.	0.8	8
59	Structure-property relationship of nanocrystalline Pr ₂ Co ₁₄ B-based hard magnetic film. Journal of Applied Physics, 2009, 106, 113912.	1.1	1
60	Magnetron sputtering deposition of Pr _{12.5} Fe _{77.5} B ₁₀ thin films and substrate temperature dependence of the magnetic properties. Journal Physics D: Applied Physics, 2009, 42, 025004.	1.3	7
61	Switchable Pt/TiO _{2-x} /Pt Schottky Diodes. Japanese Journal of Applied Physics, 2009, 48, 05DF03.	0.8	8
62	CaF ₂ /Fe ₃ Si/CaF ₂ Ferromagnetic Resonant Tunneling Diodes on Si(111) by Molecular Beam Epitaxy. Applied Physics Express, 2009, 2, 063006.	1.1	13
63	Enhancement in ordering of Fe ₅₀ Pt ₅₀ film caused by Cr and Cu additives. Journal of Applied Physics, 2009, 106, 033907.	1.1	21
64	Switchable rectifier built with Pt/TiO _x /Pt trilayer. Applied Physics Letters, 2009, 94, .	1.5	71
65	Magneto-optical properties of n-type modulation-doped (Cd,Cr)Te quantum well. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1166-1168.	1.3	6
66	Reactive ion etching of FePt using inductively coupled plasma. Applied Surface Science, 2008, 254, 7918-7920.	3.1	4
67	Direct observation on the temperature-dependent change of magnetic domains in epitaxial MnAs film on GaAs (001). Ultramicroscopy, 2008, 108, 1066-1069.	0.8	1
68	First-principles calculations-based model for the reactive ion etching of metal oxide surfaces. Vacuum, 2008, 83, 599-601.	1.6	9
69	Local chemical state change in Co ²⁺ O resistance random access memory. Physica Status Solidi - Rapid Research Letters, 2008, 2, 99-101.	1.2	27
70	Local structural, magnetic and magneto-optical properties of Mn-doped SiC films prepared on a 3C ⁺ SiC(001) wafer. New Journal of Physics, 2008, 10, 055006.	1.2	26
71	Nonpolar resistance switching of metal/binary-transition-metal oxides/metal sandwiches: Homogeneous/inhomogeneous transition of current distribution. Physical Review B, 2008, 77, .	1.1	229
72	Fabrication and Current-Voltage Characteristics of Fe ₃ Si/CaF ₂ /Fe ₃ Si Magnetic Tunnel Junction. Japanese Journal of Applied Physics, 2008, 47, 6310-6311.	0.8	13

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73	ELECTRICAL SPIN INJECTION FROM AN IRON-RICH IRON-PLATINUM THIN FILM INTO GALLIUM ARSENIDE. Journal of Nonlinear Optical Physics and Materials, 2008, 17, 105-109.	1.1	0
74	Soft X-ray Absorption and Photoemission Studies of Ferromagnetic Mn-Implanted 3C-SiC. Japanese Journal of Applied Physics, 2008, 47, 7113-7116.	0.8	4
75	Direct Observation of a Systematic Change of the Magnetic-Domain Structure With Temperature in 50-nm-MnAs/GaAs(001). IEEE Transactions on Magnetics, 2008, 44, 3241-3243.	1.2	12
76	Reactive Ion Etching Process of Transition-Metal Oxide for Resistance Random Access Memory Device. Japanese Journal of Applied Physics, 2008, 47, 6931.	0.8	19
77	Structural and Magnetic Properties of Nitrogen Doped GaMnAs. Japanese Journal of Applied Physics, 2008, 47, 6297-6301.	0.8	1
78	Anomalous temperature-dependent exchange bias in Fe films deposited on Si substrates with the native oxide layer. Journal of Applied Physics, 2008, 103, 093914.	1.1	15
79	Voltage polarity dependent low-power and high-speed resistance switching in CoO resistance random access memory with Ta electrode. Applied Physics Letters, 2008, 93, 113504.	1.5	89
80	Control of resistance switching voltages in rectifying Pt-TiO ₂ -Pt trilayer. Applied Physics Letters, 2008, 92, .	1.5	58
81	The pinning role of nonferromagnetic \hat{I}^2 phase in the domain wall motion of ferromagnetic MnAs film on GaAs(001). Journal of Applied Physics, 2008, 103, 07B106.	1.1	2
82	Substantial Reduction of Reset Current in CoO RRAM with Ta Bottom Electrode. Materials Research Society Symposia Proceedings, 2008, 1071, 1.	0.1	1
83	Two-dimensional critical scaling behavior of Barkhausen avalanches (invited). Journal of Applied Physics, 2008, 103, 07D907.	1.1	14
84	Origin of uniaxial magnetic anisotropy in epitaxial MnAs film on GaAs(001) substrate. Applied Physics Letters, 2008, 92, 082503.	1.5	14
85	First Principles Based Investigation of Materials for Resistive RAM. Journal of Computational and Theoretical Nanoscience, 2008, 5, 1976-1979.	0.4	7
86	Consistent Anisotropic Behaviors Between the Magnetic and the Magneto-Optical Properties in Zn _{1-x} CoxO Thin Films. Journal of the Korean Physical Society, 2008, 53, 309-312.	0.3	0
87	Development and Trial Measurements of Hard X-ray Photoelectron Emission Microscope. AIP Conference Proceedings, 2007, .	0.3	2
88	Synthesis and Characterization of Pt/Co ² O/Pt Trilayer Exhibiting Large Reproducible Resistance Switching. Japanese Journal of Applied Physics, 2007, 46, L57-L60.	0.8	47
89	Epitaxial Growth and Magnetic Properties of Fe ₃ Si/CaF ₂ /Fe ₃ Si Tunnel Junction Structures on CaF ₂ /Si(111). Japanese Journal of Applied Physics, 2007, 46, L904-L906.	0.8	10
90	Pseudogap formation in MnPt and MnPd alloys. Applied Physics Letters, 2007, 90, 091911.	1.5	6

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91	Magnetic domain structure of a technically patterned ferromagnetic La _{0.6} Sr _{0.4} MnO ₃ thin film. Applied Physics Letters, 2007, 91, 182503.	1.5	8
92	Structural, magnetic, and magnetotransport properties of Mn-Si films synthesized on a4H α -SiC(0001)wafer. Physical Review B, 2007, 75, .	1.1	13
93	Characterization of Mn-doped 3C-SiC prepared by ion implantation. Journal of Applied Physics, 2007, 101, 09N510.	1.1	22
94	Magnetoresistance in epitaxially grown MnAs films on GaAs substrates. Journal of Applied Physics, 2007, 102, 033920.	1.1	3
95	Resistance switching in the metal deficient-type oxides: NiO and CoO. Applied Physics Letters, 2007, 91, .	1.5	150
96	Conductive atomic force microscopy study of silica nanotrench structure. Applied Physics Letters, 2007, 90, 042106.	1.5	2
97	Growth condition dependence of spin-polarized electroluminescence in Fe α -MgO α -light-emitting diodes. Journal of Applied Physics, 2007, 102, 083914.	1.1	17
98	Synthesis of magnetic CoPt/SiO ₂ core-shell nanoparticles. Journal of Physics: Conference Series, 2007, 59, 255-258.	0.3	8
99	Electrical Spin Injection from Out-of-Plane Magnetized FePt/MgO Tunneling Junction into GaAs at Room Temperature. Japanese Journal of Applied Physics, 2007, 46, L4-L6.	0.8	62
100	Reproducible Resistance Switching in Ni/NiO/Ni Trilayer. Materials Research Society Symposia Proceedings, 2007, 997, 1.	0.1	1
101	Magnetic and Transport Properties of Mn-Si Films Synthesized on 4H-SiC(0001) Substrates. Materials Science Forum, 2007, 546-549, 2167-2170.	0.3	1
102	Advantages of CNT α -MFM probes in observation of domain walls of soft magnetic materials. Surface Science, 2007, 601, 5289-5293.	0.8	14
103	Inductively coupled plasma-reactive ion etching for \hat{I}^2 -FeSi ₂ film. Thin Solid Films, 2007, 515, 8166-8168.	0.8	1
104	Epitaxial growth of Fe ₃ Si/CaF ₂ /Fe ₃ Si magnetic tunnel junction structures on CaF ₂ /Si(111) by molecular beam epitaxy. Thin Solid Films, 2007, 515, 8254-8258.	0.8	9
105	Magnetic properties of transparent SiC:Mn films synthesized on SiC substrates. Journal of Magnetism and Magnetic Materials, 2007, 310, 2141-2143.	1.0	12
106	Investigation of the micromagnetic structure of MnAs film on GaAs(001). Journal of Magnetism and Magnetic Materials, 2007, 310, 1799-1800.	1.0	1
107	Direct observation of electroluminescence properties on magnetoresistive switch effect in Au/GaAs junctions. Journal of Magnetism and Magnetic Materials, 2007, 310, e655-e657.	1.0	1
108	Growth and crystallization processes of fully epitaxial Fe/MgO/light-emitting diodes for spin injections. Journal of Magnetism and Magnetic Materials, 2007, 310, e693-e695.	1.0	3

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109	Power-law scaling behavior in Barkhausen avalanches of ferromagnetic thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 310, 2599-2603.	1.0	11
110	Highly selective reactive-ion etching for NiFe with Ti mask by inductively coupled plasma. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 310, e745-e747.	1.0	6
111	Epitaxial growth and magnetic properties of GaMnNAs. <i>Journal of Crystal Growth</i> , 2007, 301-302, 647-650.	0.7	3
112	Epitaxial growth of bcc Mn films on 4H-SiC(0001) by molecular beam epitaxy. <i>Journal of Crystal Growth</i> , 2007, 301-302, 607-610.	0.7	3
113	Resistive switching effect in metal/insulator/metal heterostructures and its application for non-volatile memory. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2007, 2, 453-457.	0.8	12
114	Exchange bias effect in Fe films deposited on Si(100) substrates. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007, 4, 4352-4355.	0.8	4
115	Direct observation of sawtooth typed domain wall jumps in epitaxial ferromagnetic MnAs film on GaAs(001). <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 4495-4498.	0.7	0
116	Tunable scaling behaviour observed in Barkhausen criticality of a ferromagnetic film. <i>Nature Physics</i> , 2007, 3, 547-550.	6.5	82
117	Electrical Spin Injection in Perpendicular Magnetized FePt/MgO/GaAs Heterostructures at Room Temperature. <i>Journal of Superconductivity and Novel Magnetism</i> , 2007, 20, 405-408.	0.8	5
118	Thickness-dependent magnetic domain change in epitaxial MnAs films on GaAs(001). <i>Applied Physics Letters</i> , 2006, 89, 232506.	1.5	15
119	Nanosecond excitonic spin relaxation in cubic GaN. <i>Applied Physics Letters</i> , 2006, 88, 162114.	1.5	17
120	Observation of step-induced magnetic domain formation in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ thin films by photoelectron emission microscopy. <i>Applied Physics Letters</i> , 2006, 89, 112505.	1.5	25
121	Anisotropy of magnetization and magnetoresistance of (Zn,Co)O films grown by pulsed laser deposition. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006, 3, 4098-4101.	0.8	4
122	Fluorescence EXAFS analysis of local structures around Cr atoms in (Ga,Cr)As. <i>Physica B: Condensed Matter</i> , 2006, 376-377, 651-653.	1.3	6
123	Trion motion in modulation-doped magnetic semiconductor quantum well: Control and observation. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2006, 34, 389-392.	1.3	1
124	Synthesis of magnetic CoPt/SiO ₂ nano-composite by pulsed laser ablation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 182, 342-345.	2.0	8
125	Growth and characterization of Mn-doped cubic-GaN. <i>Physica B: Condensed Matter</i> , 2006, 376-377, 658-662.	1.3	9
126	Direct observation of magnetization reversal of epitaxial MnAs films. <i>Surface Science</i> , 2006, 600, 3492-3495.	0.8	5

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127	Laser ablation synthesis of monodispersed magnetic alloy nanoparticles. Journal of Nanoparticle Research, 2006, 8, 371-378.	0.8	31
128	Thickness dependence of magnetic domains of MnAs films. Surface Science, 2006, 600, 4155-4159.	0.8	10
129	Effect of Magnetic Field on the Magnetic Domain Structure of MnAs Film on GaAs(001). IEEE Transactions on Magnetics, 2006, 42, 3249-3251.	1.2	6
130	Magnetic Field Dependence on Electroluminescence Properties of Metal-Insulator-Metal Devices Consisting of Au/GaAs Junctions. Japanese Journal of Applied Physics, 2006, 45, 5685-5688.	0.8	2
131	Hard X-ray Photoelectron Emission Microscopy as Tool for Studying Buried Layers. Japanese Journal of Applied Physics, 2006, 45, 1886-1888.	0.8	20
132	Reactive Ion Etching of FeSi_2 with Inductively Coupled Plasma. Japanese Journal of Applied Physics, 2006, 45, L569-L571.	0.8	2
133	Real-time direct observation of temperature-dependent domain reversal behavior in epitaxial MnAs film on GaAs(001). Applied Physics Letters, 2006, 88, 122509.	1.5	11
134	Characterization of room temperature ferromagnetic Mn-Si compound synthesized on SiC substrate. Journal of Applied Physics, 2006, 99, 08J506.	1.1	14
135	Control and observation of excitonic motion in modulation-doped (Cd,Mn)Te quantum well (Invited) Tj ETQq1 1 0.784314 rgBT / Over		
136	Spin-polarized surface state of MnSb(001). New Journal of Physics, 2005, 7, 111-111.	1.2	7
137	Electrical characterisation of (Ga,Mn,Cr)As thin films grown by molecular beam epitaxy. Journal of Crystal Growth, 2005, 278, 695-698.	0.7	2
138	Vortex chirality control in mesoscopic disk magnets observed by a newly developed mobile PEEM system. Journal of Electron Spectroscopy and Related Phenomena, 2005, 144-147, 741-744.	0.8	7
139	Domain structures of nanocrystalline Fe ₇₈ Si ₁₀ B ₁₂ thin films. Applied Surface Science, 2005, 244, 489-493.	3.1	5
140	Control of Excitonic Motion in Modulation-Doped (Cd,Mn)Te QW by Magnetic and Electric Fields. AIP Conference Proceedings, 2005, , .	0.3	0
141	2-Inch 4H-SiC Homoepitaxial Layer Grown on On-Axis C-Face Substrate by CVD Method. Materials Science Forum, 2005, 483-485, 93-96.	0.3	7
142	CoFe-Coated Carbon Nanotube Probes for Magnetic Force Microscope. Japanese Journal of Applied Physics, 2005, 44, 2077-2080.	0.8	35
143	Epitaxial Growth of Ferromagnetic Fe ₃ Si Films on CaF ₂ /Si(111) by Molecular Beam Epitaxy. Japanese Journal of Applied Physics, 2005, 44, L715-L717.	0.8	13
144	Reactive Ion Etching of NiFe Thin Films from First-Principles Study: A Case Study. Japanese Journal of Applied Physics, 2005, 44, 893-894.	0.8	9

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145	Vortex-chirality control in mesoscopic disk magnets observed by photoelectron emission microscopy. <i>Journal of Applied Physics</i> , 2005, 97, 10J904.	1.1	42
146	Magnetic-Field-Sensing Materials Composed of Metal-Semiconductor Hybrid Nanostructures. <i>Journal of Nanoscience and Nanotechnology</i> , 2005, 5, 250-254.	0.9	0
147	Real-time direct observation of asymmetric magnetization reversal in exchange-biased single-layer systems. <i>Physical Review B</i> , 2005, 71, .	1.1	27
148	Real-time observation of charged exciton drift in modulation-doped (Cd,Mn)Te quantum well. <i>Physical Review B</i> , 2005, 71, .	1.1	2
149	Perpendicular magnetic properties of CoCr films on GaAs. <i>Journal of Applied Physics</i> , 2005, 97, 023907.	1.1	7
150	A magnetic force microscope using CoFe-coated carbon nanotube probes. <i>Nanotechnology</i> , 2005, 16, 24-27.	1.3	66
151	Magnetoresistive Switch Effect and Its Application to Magnetic Field Sensors. <i>Materials Science Forum</i> , 2005, 475-479, 2223-2226.	0.3	0
152	Enhanced coercive field of cobalt film deposited on noodle-like porous silicon substrates. <i>Applied Physics Letters</i> , 2005, 86, 181904.	1.5	11
153	Magnetic Properties of Monodispersed Ni/NiO Core-Shell Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2005, 109, 13403-13405.	1.2	96
154	Fluorescence EXAFS Analysis of Nanoscale ZincBlende MnAs Dots Grown on GaAs(001) by Molecular Beam Epitaxy. <i>Physica Scripta</i> , 2005, , 431.	1.2	1
155	Zinc-blende CrAs/GaAs multilayers grown by molecular-beam epitaxy. <i>Journal of Physics Condensed Matter</i> , 2004, 16, S5549-S5553.	0.7	18
156	Density-dependent electronic structure of zinc-blende-type MnAs dots on GaAs(001) studied by in situ photoemission spectroscopy. <i>Physical Review B</i> , 2004, 70, .	1.1	24
157	Au/GaAs Magnetoresistive-Switch-Effect Devices Fabricated by Wet Etching. <i>Japanese Journal of Applied Physics</i> , 2004, 43, 2101-2103.	0.8	7
158	Laser synthesis and magnetic properties of monodispersed core-shell nanoparticles. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 79, 1165-1167.	1.1	11
159	Magnetic pole pinning at rectangular defects on MnAs/GaAs(001). <i>Surface Science</i> , 2004, 550, 192-198.	0.8	3
160	Magnetic properties and domain structures of FeSiB thin films. <i>Surface Science</i> , 2004, 556, 33-38.	0.8	15
161	Nano-oxide fabrication on thin-films of 3d-metal compounds and alloys. <i>Surface Science</i> , 2004, 566-568, 349-355.	0.8	5
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