

# Hiroaki Kikuchi

## List of Publications by Year in descending order

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145  
papers

1,660  
citations

393982

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360668

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145  
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145  
docs citations

145  
times ranked

1161  
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlling the Magnetoimpedance Property of Thin-Film Elements Using Joule Heating. IEEE Transactions on Magnetics, 2022, 58, 1-5.	1.2	2
2	The Effect of DC Bias Current on Domain Wall Resonance Property of Thin-Film Magnetoimpedance Element. IEEE Transactions on Magnetics, 2021, 57, 1-5.	1.2	3
3	Investigating R&D Committee on Magnetic Sensors for High-Performance and Systemization. IEEJ Transactions on Fundamentals and Materials, 2021, 141, 443-445.	0.2	0
4	Magnetic Nondestructive Evaluation Using Higher Sensitive Magnetic Field Sensor for Thermally Aged Inconel 600 Alloy. IEEJ Transactions on Fundamentals and Materials, 2021, 141, 452-457.	0.2	0
5	Changes in properties of thin-film magnetoimpedance element by Joule heating. Journal of Magnetism and Magnetic Materials, 2021, 539, 168356.	1.0	5
6	Magnetic nondestructive evaluation using higher sensitive magnetic field sensor for thermally aged Inconel 600 alloy. Electronics and Communications in Japan, 2021, 104, e12333.	0.3	1
7	Effects of parallel and meander configuration on thin-film magnetoimpedance element. AIP Advances, 2020, 10, .	0.6	5
8	Effects of contact gap on nondestructive evaluation using magnetic measurement for ferromagnetic steel. International Journal of Applied Electromagnetics and Mechanics, 2020, 64, 969-975.	0.3	0
9	Dependence of Coercivity and Barkhausen Noise Signal on Martensitic Stainless Steel with and without Quench. Studies in Applied Electromagnetics and Mechanics, 2020, , .	0.2	1
10	Challenges for detection of small defects of submillimeter size in steel using magnetic flux leakage method with higher sensitive magnetic field sensors. Sensors and Actuators A: Physical, 2019, 300, 111642.	2.0	12
11	Impedance Change Ratio and Sensitivity of Micromachined Single-Layer Thin Film Magneto-Impedance Sensor. IEEE Magnetics Letters, 2019, 10, 1-5.	0.6	8
12	Influence of direct DC bias current on stepped magnetoimpedance profile and changes in domain structure. International Journal of Applied Electromagnetics and Mechanics, 2019, 59, 123-128.	0.3	0
13	Observation of Static Domain Structures of Thin-Film Magnetoimpedance Elements With DC Bias Current. IEEE Transactions on Magnetics, 2019, 55, 1-5.	1.2	7
14	Analysis of asymmetric property with DC bias current on thin-film magnetoimpedance element. AIP Advances, 2018, 8, 056618.	0.6	6
15	Incident Power Dependence on Magnetoimpedance Element with Domain Wall Resonance. , 2018, , .		0
16	Incident Power Influence on Magnetoimpedance Element With Domain-Wall Resonance. IEEE Transactions on Magnetics, 2018, 54, 1-5.	1.2	3
17	Behavior of sensitivity at edge of thin-film magnetoimpedance element. AIP Advances, 2017, 7, 056602.	0.6	0
18	Analysis of thin-film magnetoimpedance behavior in low MHz regions based on domain wall equation and bias susceptibility theory. AIP Advances, 2017, 7, .	0.6	6

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19	Effects of DC Bias Current on Behavior and Sensitivity of Thin-Film Magnetoimpedance Element. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	7
20	Microporous Co@C Nanoparticles Prepared by Dealloying CoAl@C Precursors: Achieving Strong Wideband Microwave Absorption via Controlling Carbon Shell Thickness. ACS Applied Materials & Interfaces, 2017, 9, 44704-44714.	4.0	166
21	Relation between magnetic property changes and microstructure changes on austenitic stainless steel sensitized by heat treatment. , 2017, , .		0
22	Effect of DC bias current on sensitivity of thin-film magnetoimpedance element. , 2017, , .		0
23	Applications of Higher Sensitive Magnetic Field Sensors on Nondestructive Testing and Evaluation. IEEE Transactions on Fundamentals and Materials, 2017, 137, 470-475.	0.2	1
24	Magnetoimpedance Characteristics on Micromachined Thin-Film Elements Less Than 100-Micrometers Length. , 2016, , .		0
25	Relationship between sensitization and magnetic characteristics in 304 stainless steel. International Journal of Applied Electromagnetics and Mechanics, 2016, 52, 1075-1080.	0.3	0
26	Enhancement of impedance change at low frequency in a thin-film magnetoimpedance element. Journal of Magnetism and Magnetic Materials, 2016, 420, 269-274.	1.0	6
27	The synergistic effects of carbon coating and micropore structure on the microwave absorption properties of Co/CoO nanoparticles. Physical Chemistry Chemical Physics, 2016, 18, 30507-30514.	1.3	38
28	Magneto-Impedance of Micromachined Thin Films Less Than 100 $\mu\text{m}$ in Length. IEEE Magnetics Letters, 2016, 7, 1-5.	0.6	7
29	Permeability at higher temperature for development of heat-resist magnetic sensor. International Journal of Applied Electromagnetics and Mechanics, 2016, 52, 1069-1073.	0.3	0
30	Magnetic and Hardness Analysis During Precipitation and Recovery Process of Deformed Fe-Cu Alloy. Physics Procedia, 2015, 75, 1279-1285.	1.2	2
31	Enhancement of Sensitivity on Miniaturized Thin-film Magnetoimpedance with Ellipsoidal Element. Physics Procedia, 2015, 75, 1271-1278.	1.2	6
32	Development of Electromagnetic Sensor and Its Application for NDE. Nihon AEM Gakkaishi, 2015, 23, 665-670.	0.0	0
33	Influence of demagnetizing field on thin-film GMI magnetic sensor elements with uniaxial magnetic anisotropy. Sensors and Actuators A: Physical, 2015, 230, 142-149.	2.0	18
34	Relationship Between Magnetic Properties and Hardness and Its Effect on Recovery and Recrystallization in Cold-Rolled Steel. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	3
35	Relationship between magnetic properties and hardness on recovery and recrystallization process in cold rolled steel. , 2015, , .		0
36	Relationship between ferromagnetic properties and grain size of Inconel alloy 600. Journal of Magnetism and Magnetic Materials, 2015, 381, 56-64.	1.0	10

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37	Investigation of Driving Power Dependence on Magnetoimpedance Properties of Thin-Film Elements With Uniaxial Anisotropy. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	5
38	Superparamagnetic property and high microwave absorption performance of FeAl@Al <sub>2</sub> O <sub>3</sub> . Journal of Applied Chemistry C, 2015, 3, 6232-6239.	2.7	31
39	Improvement of stepped magnetoimpedance properties by controlling demagnetizing effect. , 2015, , .		1
40	Improvement of Stepped Magnetoimpedance Properties by Controlling the Demagnetizing Effect. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	2
41	Current Status and Prospects of Nondestructive Inspection for Steels by Magnetic Measurements. Journal of the Institute of Electrical Engineers of Japan, 2015, 135, 629-632.	0.0	1
42	Effects of easy axis direction on the magnetoimpedance properties of thin films with uniaxial anisotropy. Journal of Applied Physics, 2014, 115, 17A303.	1.1	16
43	Effect of Neutron Flux on Magnetic Hysteresis in Neutron-Irradiated Pressure Vessel Steels. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	1
44	Nondestructive evaluation of material degradation and sub-millimeter sized defect detection in steel using magnetic measurements. Case Studies in Nondestructive Testing and Evaluation, 2014, 1, 25-31.	1.7	8
45	Ion-irradiation enhancement of materials degradation in Fe-Cr single crystals detected by magnetic technique. Journal of Nuclear Materials, 2013, 442, S861-S864.	1.3	12
46	Effects of the Edge Shape of the Elements on the Properties of Stepped Giant Magnetoimpedance. IEEE Transactions on Magnetics, 2013, 49, 4044-4047.	1.2	5
47	Effect of long-term thermal aging on magnetic property in reactor pressure vessel steels. Journal of Nuclear Materials, 2013, 439, 131-136.	1.3	6
48	Magnetic hysteresis loop technique as a tool for the evaluation of $\delta$ phase embrittlement in Fe-Cr alloys. Journal of Magnetism and Magnetic Materials, 2013, 327, 71-75.	1.0	5
49	Nondestructive evaluation of hardness using AC permeability and impedance analysis. , 2013, , .		1
50	Magnetic NDE for Sensitization of Inconel 600 Alloy. Journal of Magnetism, 2013, 18, 348-351.	0.2	3
51	Magnetic NDE with Magnetic Yoke-Probe for Degradation and Mechanical Properties of Steel. RILEM Bookseries, 2013, , 505-511.	0.2	2
52	Neutron Irradiation Effects on Mechanical and Magnetic Properties of Pre-deformed Iron-based Model Alloys. Journal of the Magnetics Society of Japan, 2013, 37, 147-150.	0.5	1
53	Characteristics of Barkhausen noise and permeability on neutron irradiated pure Fe and Fe-Cu alloy. International Journal of Applied Electromagnetics and Mechanics, 2012, 39, 609-614.	0.3	1
54	Magnetic evaluation of irradiation hardening in A533B reactor pressure vessel steels: Magnetic hysteresis measurements and the model analysis. Journal of Nuclear Materials, 2012, 422, 158-162.	1.3	30

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55	Feasibility study for nondestructive evaluation of magnetic properties and hardness of two-layered specimens by magnetic single-yoke probe. NDT and E International, 2012, 46, 1-6.	1.7	5
56	Investigation of scaling laws in frequency-dependent minor hysteresis loops for ferromagnetic steels. Journal of Magnetism and Magnetic Materials, 2012, 324, 215-221.	1.0	10
57	Analysis of Magnetic Minor Hysteresis Loops in Thermally Aged and Cold-rolled Fe-Cu Alloys. Journal of Physics: Conference Series, 2011, 266, 012056.	0.3	0
58	Study of thermal ageing behaviour of Fe-Cr model alloys by magnetic hysteresis loop technique. Journal of Physics: Conference Series, 2011, 266, 012041.	0.3	6
59	Magnetic properties of ion irradiated epitaxial Fe films. Journal of Physics: Conference Series, 2011, 266, 012035.	0.3	6
60	Domain-Wall Pinning in Er and Dy Studied by Minor-Loop Scaling Laws. Journal of Physics: Conference Series, 2011, 266, 012015.	0.3	3
61	Magnetoacoustic Emission Characteristics on Cold Rolled Low Carbon Steel. Journal of Physics: Conference Series, 2011, 266, 012055.	0.3	2
62	Feasibility Study of Application of MFL to Monitoring of Wall Thinning Under Reinforcing Plates in Nuclear Power Plants. IEEE Transactions on Magnetics, 2011, 47, 3963-3966.	1.2	25
63	Effect of Cr-Rich Phase Precipitation on Magnetic and Mechanical Properties of Fe-20% Cr Alloy. IEEE Transactions on Magnetics, 2011, 47, 4356-4359.	1.2	16
64	Evaluation of Embrittlement in Isochronal Aged Fe-Cr Alloys by Magnetic Hysteresis Loop Technique. Journal of Magnetism, 2011, 16, 173-176.	0.2	11
65	Characteristics of Barkhausen Noise Properties and Hysteresis Loop on Tensile Stressed Rolled Steels. Journal of Magnetism, 2011, 16, 427-430.	0.2	9
66	A Low-Field Scaling Rule of Minor Hysteresis Loops in Plastically Deformed Steels. IEEE Transactions on Magnetics, 2010, 46, 191-194.	1.2	6
67	Scaling analysis of minor hysteresis loops in ferromagnets with large uniaxial anisotropy. Journal of Magnetism and Magnetic Materials, 2010, 322, 1515-1518.	1.0	11
68	Scaling analysis of magnetic minor hysteresis loops in plastically deformed 304 stainless steel. International Journal of Applied Electromagnetics and Mechanics, 2010, 33, 1119-1125.	0.3	0
69	Feasibility study of magnetic flux leakage method for condition monitoring of wall thinning on tube. International Journal of Applied Electromagnetics and Mechanics, 2010, 33, 1087-1094.	0.3	16
70	Low-field magnetic characterization of ferromagnets using a minor-loop scaling law. Journal of Applied Physics, 2010, 107, .	1.1	33
71	Magnetic properties of $\hat{\epsilon}$ martensite in austenitic stainless steel studied by a minor-loop scaling law. Journal of Applied Physics, 2010, 108, .	1.1	19
72	The effect of temperature on laws of minor hysteresis loops in nickel single crystals with compressive deformation. Philosophical Magazine, 2009, 89, 651-664.	0.7	16

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73	Effect of Microstructure Changes on Barkhausen Noise Properties and Hysteresis Loop in Cold Rolled Low Carbon Steel. IEEE Transactions on Magnetics, 2009, 45, 2744-2747.	1.2	48
74	The effect of copper and manganese on magnetic minor hysteresis loops in neutron irradiated Fe model alloys. Journal of Nuclear Materials, 2009, 384, 109-114.	1.3	23
75	Applicability of local magnetic measurements. Measurement: Journal of the International Measurement Confederation, 2009, 42, 706-710.	2.5	19
76	Internal friction and magnetic properties of thermally aged Fe-1 wt.% Cu alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 521-522, 209-212.	2.6	4
77	Effect of pre-deformation on the precipitation process and magnetic properties of Fe-Cu model alloys. Journal of Materials Science, 2009, 44, 949-953.	1.7	35
78	Effects of Room Temperature Heavy-Ion Irradiation on Magnetic and Electrical Properties of a Single Crystalline Iron Thin Film. Materials Transactions, 2009, 50, 2134-2138.	0.4	6
79	Martensitic transformation in SUS316LN austenitic stainless steel at RT. Journal of Materials Science, 2008, 43, 2659-2665.	1.7	40
80	A magnetic yoke probe for in situ magnetic measurements. Electrical Engineering in Japan (English) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.2	4
81	Inspection of steel degradation by magnetic adaptive testing. NDT and E International, 2008, 41, 252-257.	1.7	14
82	Quantitative evaluation of dislocation density using minor-loop scaling relations. Journal of Magnetism and Magnetic Materials, 2008, 320, e551-e555.	1.0	4
83	Strain-Induced Exchange Bias Effects in Chemically Ordered $\text{Pt}_3\text{Fe}$ Single Crystal. IEEE Transactions on Magnetics, 2008, 44, 4225-4228.	1.2	5
84	Neutron irradiation effects on magnetic minor hysteresis loops in nuclear reactor pressure vessel steels. Philosophical Magazine, 2008, 88, 1791-1800.	0.7	11
85	Ferromagnetic fraction and exchange anisotropy in SUS 316LN austenitic stainless steel due to strain-induced deformation. Journal of Applied Physics, 2008, 103, 07E713.	1.1	7
86	Characterization of strain-induced martensite phase in austenitic stainless steel using a magnetic minor-loop scaling relation. Applied Physics Letters, 2008, 92, 182508.	1.5	16
87	Neutron irradiation effects in Fe-Cu-Ni-Mn model alloys studied by measurements of magnetic minor hysteresis loops. Philosophical Magazine, 2007, 87, 4047-4058.	0.7	12
88	The relation between AC permeability and dislocation density and grain size in pure iron. International Journal of Applied Electromagnetics and Mechanics, 2007, 25, 341-346.	0.3	11
89	Relationship between minor hysteresis loops and copper precipitation in Fe-Cu alloys. International Journal of Applied Electromagnetics and Mechanics, 2007, 25, 127-131.	0.3	0
90	Magnetic properties and copper precipitation in Fe-0.3 wt.% Cu alloys. Journal of Materials Processing Technology, 2007, 181, 199-202.	3.1	15

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91	Development of apparatus for magnetic measurements of Charpy impact test pieces. Journal of Materials Processing Technology, 2007, 181, 190-193.	3.1	7
92	Comprehensive analysis of Barkhausen noise properties in the cold rolled mild steel. Journal of Magnetism and Magnetic Materials, 2007, 310, e989-e991.	1.0	24
93	Investigation of the effect of stress direction and temperature on minor hysteresis loops in nickel single crystals. Journal of Magnetism and Magnetic Materials, 2007, 310, 2638-2640.	1.0	6
94	Compositional dependence of magnetic properties on thermally sensitized austenitic stainless steels. Journal of Magnetism and Magnetic Materials, 2007, 310, 2856-2858.	1.0	14
95	Initial permeability and vickers hardness of thermally aged FeCu alloy. Journal of Magnetism and Magnetic Materials, 2007, 310, 2886-2888.	1.0	7
96	Analysis of Minor Hysteresis Loops for Neutron Irradiation and Plastic Deformation in Pure Fe. IEEE Transactions on Magnetics, 2007, 43, 2689-2691.	1.2	3
97	The Effect of BCC-Cu Precipitation on Magnetism in Thermally Aged Fe-1wt.%Cu Model Alloys. IEEE Transactions on Magnetics, 2007, 43, 2701-2703.	1.2	14
98	Analysis of Minor Hysteresis Loops in Cold Rolled Low Carbon Steel. , 2006, , .		1
99	Investigation of inclined-pad type head for cylindrical magnetic storage system. , 2006, , .		0
100	Stray flux effects on the magnetic hysteresis parameters in NDE of low carbon steel. NDT and E International, 2006, 39, 277-281.	1.7	14
101	Magnetomechanical effect of low carbon steel studied by two kinds of magnetic minor hysteresis loops. NDT and E International, 2006, 39, 408-413.	1.7	14
102	Analysis of minor hysteresis loops and dislocations in Fe. Physica B: Condensed Matter, 2006, 372, 190-193.	1.3	17
103	Analysis of Minor Hysteresis Loops of Cold Rolled Low Carbon Steel. IEEE Transactions on Magnetics, 2006, 42, 3782-3784.	1.2	10
104	Nondestructive Evaluation of Mechanical Property by Apparatus for Magnetic Measurements of Charpy Test Pieces. IEEE Transactions on Magnetics, 2006, 42, 3536-3538.	1.2	4
105	Relationship between mechanical and magnetic properties in cold rolled low carbon steel. Journal of Applied Physics, 2006, 100, 113908.	1.1	74
106	In situ magnetic measurements under neutron radiation in Fe metal and low carbon steel. Journal of Applied Physics, 2006, 100, 023902.	1.1	35
107	Magnetic minor hysteresis loops of compressively deformed transition-metal single crystals. Journal of Applied Physics, 2006, 99, 08H908.	1.1	6
108	Nondestructive Evaluation of Mechanical Property by Apparatus for Magnetic Measurements of Charpy Test Pieces. , 2006, , .		0

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109	Magnetic Yoke Probe for In-situ Magnetic Measurements. IEEJ Transactions on Fundamentals and Materials, 2006, 126, 919-924.	0.2	2
110	Magnetic Study of Martensitic Transformation in Austenitic Stainless Steel by Low Field Hysteresis Loops Analysis. AIP Conference Proceedings, 2005, , .	0.3	1
111	A New Analysis of Minor Hysteresis Loops and QNDE. AIP Conference Proceedings, 2005, , .	0.3	2
112	Magnetomechanical effects under applied stresses and unloaded conditions by a probe with indirect pickup coil. , 2005, , .		0
113	Magnetomechanical effects under applied stress and unloaded conditions measured by a probe with indirect pickup coil. IEEE Transactions on Magnetics, 2005, 41, 3664-3666.	1.2	1
114	Magnetic properties of SUS 304 austenitic stainless steel after tensile deformation at elevated temperatures. Journal of Materials Science, 2005, 40, 2709-2711.	1.7	19
115	Relationship between Magnetic Properties and External Stresses during In Situ Tensile Testing. Transactions of the Magnetics Society of Japan, 2005, 5, 35-38.	0.5	7
116	Analysis of minor hysteresis loops in plastically deformed low carbon steel. Journal of Applied Physics, 2005, 98, 033909.	1.1	18
117	Magnetic characterization of thermally sensitized Type 304 and 316 stainless steels. , 2005, , .		0
118	Characterization of Structural Materials Using AC Permeability. Journal of the Magnetics Society of Japan, 2005, 29, 563-566.	0.4	3
119	A new magnetic NDE method in inconel 600 alloy. International Journal of Applied Electromagnetics and Mechanics, 2004, 19, 3-8.	0.3	4
120	Development of a device for measurement of hysteresis magnetization curves of charpy impact test pieces. International Journal of Applied Electromagnetics and Mechanics, 2004, 19, 243-248.	0.3	0
121	Soft magnetic applications in the RF range. Journal of Magnetism and Magnetic Materials, 2004, 268, 170-177.	1.0	57
122	Magnetic measurements of martensitic transformation in austenitic stainless steel after room temperature rolling. Journal of Materials Science, 2004, 39, 85-97.	1.7	94
123	Magnetic measurements of the reverse martensite to austenite transformation in a rolled austenitic stainless steel. Journal of Materials Science, 2004, 39, 1997-2010.	1.7	42
124	Magnetic transition temperatures of some model alloys for simulating radiation induced segregation in austenitic stainless steel. Journal of Magnetism and Magnetic Materials, 2004, 271, 402-408.	1.0	13
125	Martensitic Transformations and Magnetic Properties of Model Alloys for Simulating Radiation Induced Segregation at Grain Boundaries in Stainless Steels. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2004, 68, 122-125.	0.2	0
126	Correlation between Charpy Impact Properties and the Magnetization Process of Cold-Rolled Steels. Journal of the Magnetics Society of Japan, 2004, 28, 409-412.	0.4	4



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127	Remarkable improvement of sensitivity for high-frequency carrier-type magnetic field sensor with ferromagnetic resonance. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 1142-1145.	1.0	0
128	Highly Sensitive Detection of AC Magnetic Field Using High-frequency Carrier Type Thin-film Magnetic Field Sensor with Carrier-suppressing Circuit.. Journal of the Magnetics Society of Japan, 2002, 26, 562-565.	0.4	11
129	Miniaturized high-frequency carrier-type thin-film magnetic field sensor with high sensitivity. IEEE Transactions on Magnetics, 2001, 37, 2042-2044.	1.2	4
130	A high frequency carrier-type magnetic field sensor using carrier suppressing circuit. IEEE Transactions on Magnetics, 2001, 37, 2019-2021.	1.2	35
131	High-Frequency Carrier-Type Thin-Film Magnetic Field Sensor Using the Lift-off Process.. Journal of the Magnetics Society of Japan, 2001, 25, 975-978.	0.4	2
132	Miniaturization of high-frequency carrier-type thin-film magnetic field sensor using laminated film. IEEE Transactions on Magnetics, 2000, 36, 3664-3666.	1.2	11
133	Motion capture system of magnetic markers using three-axial magnetic field sensor. IEEE Transactions on Magnetics, 2000, 36, 3646-3648.	1.2	69
134	High frequency carrier type bridge-connected magnetic field sensor. IEEE Transactions on Magnetics, 1998, 34, 1321-1323.	1.2	8
135	High frequency impedance of CuBe solid pins used for fast computer connectors. IEEE Transactions on Magnetics, 1997, 33, 3316-3318.	1.2	1
136	Micro magnetic thin-film sensor using LC resonance. IEEE Transactions on Magnetics, 1997, 33, 3400-3402.	1.2	19
137	A fail-safe thin-film current sensor using a flux saturable ring core. IEEE Transactions on Magnetics, 1997, 33, 3406-3408.	1.2	6
138	Analysis of the High-Frequency Impedance of Micromachined Films. Journal of the Magnetics Society of Japan, 1997, 21, 789-792.	0.4	42
139	Possibility of Sensitive Magnetic Thin-Film Sensor Using LC Resonance. Journal of the Magnetics Society of Japan, 1997, 21, 661-664.	0.4	5
140	Motion capture system using magnetic marker. , 0, , .		1
141	Miniaturization of high-frequency carrier-type thin-film magnetic field sensor using laminated film. , 0, , .		2
142	High sensitivity magnetic near field probe based on ferromagnetic thin-film technology. , 0, , .		5
143	Magnetic near field probe based on the high-frequency carrier type thin-film magnetic field sensor. , 0, , .		0
144	Improvement of sensitivity using carrier suppression technique in high frequency carrier type thin-film magnetic field sensor. , 0, , .		0

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145	Phase detection of high frequency carrier type thin film sensor. , 0, , .		0