

# Hiroaki Kikuchi

## List of Publications by Year in descending order

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145  
papers

1,660  
citations

393982

19  
h-index

360668

35  
g-index

145  
all docs

145  
docs citations

145  
times ranked

1161  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Magnetic measurements of martensitic transformation in austenitic stainless steel after room temperature rolling. Journal of Materials Science, 2004, 39, 85-97.	1.7	94
3	Relationship between mechanical and magnetic properties in cold rolled low carbon steel. Journal of Applied Physics, 2006, 100, 113908.	1.1	74
4	Motion capture system of magnetic markers using three-axial magnetic field sensor. IEEE Transactions on Magnetics, 2000, 36, 3646-3648.	1.2	69
5	Soft magnetic applications in the RF range. Journal of Magnetism and Magnetic Materials, 2004, 268, 170-177.	1.0	57
6	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
7	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
8	Analysis of the High-Frequency Impedance of Micromachined Films. Journal of the Magnetics Society of Japan, 1997, 21, 789-792.	0.4	42
9	Martensitic transformation in SUS316LN austenitic stainless steel at RT. Journal of Materials Science, 2008, 43, 2659-2665.	1.7	40
10	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
11	A high frequency carrier-type magnetic field sensor using carrier suppressing circuit. IEEE Transactions on Magnetics, 2001, 37, 2019-2021.	1.2	35
12	In situ magnetic measurements under neutron radiation in Fe metal and low carbon steel. Journal of Applied Physics, 2006, 100, 023902.	1.1	35
13	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
14	Low-field magnetic characterization of ferromagnets using a minor-loop scaling law. Journal of Applied Physics, 2010, 107, .	1.1	33
15	Superparamagnetic property and high microwave absorption performance of FeAl@Al <sub>2</sub> O <sub>3</sub> . Chemistry C, 2015, 3, 6232-6239.	2.7	31
16	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
17	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
18	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

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19	The effect of copper and manganese on magnetic minor hysteresis loops in neutron irradiated Fe model alloys. <i>Journal of Nuclear Materials</i> , 2009, 384, 109-114.	1.3	23
20	Micro magnetic thin-film sensor using LC resonance. <i>IEEE Transactions on Magnetics</i> , 1997, 33, 3400-3402.	1.2	19
21	Magnetic properties of SUS 304 austenitic stainless steel after tensile deformation at elevated temperatures. <i>Journal of Materials Science</i> , 2005, 40, 2709-2711.	1.7	19
22	Applicability of local magnetic measurements. <i>Measurement: Journal of the International Measurement Confederation</i> , 2009, 42, 706-710.	2.5	19
23	Magnetic properties of $\hat{\mu}$ martensite in austenitic stainless steel studied by a minor-loop scaling law. <i>Journal of Applied Physics</i> , 2010, 108, .	1.1	19
24	Analysis of minor hysteresis loops in plastically deformed low carbon steel. <i>Journal of Applied Physics</i> , 2005, 98, 033909.	1.1	18
25	Influence of demagnetizing field on thin-film GMI magnetic sensor elements with uniaxial magnetic anisotropy. <i>Sensors and Actuators A: Physical</i> , 2015, 230, 142-149.	2.0	18
26	Analysis of minor hysteresis loops and dislocations in Fe. <i>Physica B: Condensed Matter</i> , 2006, 372, 190-193.	1.3	17
27	Characterization of strain-induced martensite phase in austenitic stainless steel using a magnetic minor-loop scaling relation. <i>Applied Physics Letters</i> , 2008, 92, 182508.	1.5	16
28	The effect of temperature on laws of minor hysteresis loops in nickel single crystals with compressive deformation. <i>Philosophical Magazine</i> , 2009, 89, 651-664.	0.7	16
29	Feasibility study of magnetic flux leakage method for condition monitoring of wall thinning on tube. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2010, 33, 1087-1094.	0.3	16
30	Effect of Cr-Rich Phase Precipitation on Magnetic and Mechanical Properties of Fe-20% Cr Alloy. <i>IEEE Transactions on Magnetics</i> , 2011, 47, 4356-4359.	1.2	16
31	Effects of easy axis direction on the magnetoimpedance properties of thin films with uniaxial anisotropy. <i>Journal of Applied Physics</i> , 2014, 115, 17A303.	1.1	16
32	Magnetic properties and copper precipitation in Fe-0.3 wt.% Cu alloys. <i>Journal of Materials Processing Technology</i> , 2007, 181, 199-202.	3.1	15
33	Stray flux effects on the magnetic hysteresis parameters in NDE of low carbon steel. <i>NDT and E International</i> , 2006, 39, 277-281.	1.7	14
34	Magnetomechanical effect of low carbon steel studied by two kinds of magnetic minor hysteresis loops. <i>NDT and E International</i> , 2006, 39, 408-413.	1.7	14
35	Compositional dependence of magnetic properties on thermally sensitized austenitic stainless steels. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 310, 2856-2858.	1.0	14
36	The Effect of BCC-Cu Precipitation on Magnetism in Thermally Aged Fe-1wt.%Cu Model Alloys. <i>IEEE Transactions on Magnetics</i> , 2007, 43, 2701-2703.	1.2	14

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37	Inspection of steel degradation by magnetic adaptive testing. NDT and E International, 2008, 41, 252-257.	1.7	14
38	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
39	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
40	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
41	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
42	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
43	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
44	Neutron irradiation effects on magnetic minor hysteresis loops in nuclear reactor pressure vessel steels. Philosophical Magazine, 2008, 88, 1791-1800.	0.7	11
45	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
46	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
47	Evaluation of Embrittlement in Isochronal Aged Fe-Cr Alloys by Magnetic Hysteresis Loop Technique. Journal of Magnetism, 2011, 16, 173-176.	0.2	11
48	Analysis of Minor Hysteresis Loops of Cold Rolled Low Carbon Steel. IEEE Transactions on Magnetics, 2006, 42, 3782-3784.	1.2	10
49	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
50	Relationship between ferromagnetic properties and grain size of Inconel alloy 600. Journal of Magnetism and Magnetic Materials, 2015, 381, 56-64.	1.0	10
51	Characteristics of Barkhausen Noise Properties and Hysteresis Loop on Tensile Stressed Rolled Steels. Journal of Magnetism, 2011, 16, 427-430.	0.2	9
52	High frequency carrier type bridge-connected magnetic field sensor. IEEE Transactions on Magnetics, 1998, 34, 1321-1323.	1.2	8
53	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
54	Impedance Change Ratio and Sensitivity of Micromachined Single-Layer Thin Film Magneto-Impedance Sensor. IEEE Magnetics Letters, 2019, 10, 1-5.	0.6	8

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55	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
56	Development of apparatus for magnetic measurements of Charpy impact test pieces. Journal of Materials Processing Technology, 2007, 181, 190-193.	3.1	7
57	Initial permeability and vickers hardness of thermally aged FeCu alloy. Journal of Magnetism and Magnetic Materials, 2007, 310, 2886-2888.	1.0	7
58	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
59	Magneto-Impedance of Micromachined Thin Films Less Than 100 $\mu\text{m}$ in Length. IEEE Magnetics Letters, 2016, 7, 1-5.	0.6	7
60	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
61	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
62	A fail-safe thin-film current sensor using a flux saturable ring core. IEEE Transactions on Magnetics, 1997, 33, 3406-3408.	1.2	6
63	Magnetic minor hysteresis loops of compressively deformed transition-metal single crystals. Journal of Applied Physics, 2006, 99, 08H908.	1.1	6
64	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
65	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
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	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
68	Magnetic properties of ion irradiated epitaxial Fe films. Journal of Physics: Conference Series, 2011, 266, 012035.	0.3	6
69	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
70	Enhancement of Sensitivity on Miniaturized Thin-film Magnetoimpedance with Ellipsoidal Element. Physics Procedia, 2015, 75, 1271-1278.	1.2	6
71	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
72	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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73	Analysis of asymmetric property with DC bias current on thin-film magnetoimpedance element. AIP Advances, 2018, 8, 056618.	0.6	6
74	High sensitivity magnetic near field probe based on ferromagnetic thin-film technology. , 0, , .		5
75	Strain-Induced Exchange Bias Effects in Chemically Ordered $\text{Pt}_{1-x}\text{Fe}_x$ Single Crystal. IEEE Transactions on Magnetics, 2008, 44, 4225-4228.	1.2	5
76	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
77	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
78	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
79	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
80	Effects of parallel and meander configuration on thin-film magnetoimpedance element. AIP Advances, 2020, 10, .	0.6	5
81	Changes in properties of thin-film magnetoimpedance element by Joule heating. Journal of Magnetism and Magnetic Materials, 2021, 539, 168356.	1.0	5
82	Possibility of Sensitive Magnetic Thin-Film Sensor Using LC Resonance. Journal of the Magnetics Society of Japan, 1997, 21, 661-664.	0.4	5
83	Miniaturized high-frequency carrier-type thin-film magnetic field sensor with high sensitivity. IEEE Transactions on Magnetics, 2001, 37, 2042-2044.	1.2	4
84	A new magnetic NDE method in inconel 600 alloy. International Journal of Applied Electromagnetics and Mechanics, 2004, 19, 3-8.	0.3	4
85	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
86	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	0.2	4
87	Quantitative evaluation of dislocation density using minor-loop scaling relations. Journal of Magnetism and Magnetic Materials, 2008, 320, e551-e555.	1.0	4
88	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
89	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
90	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

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91	Domain-Wall Pinning in Er and Dy Studied by Minor-Loop Scaling Laws. Journal of Physics: Conference Series, 2011, 266, 012015.	0.3	3
92	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
93	Incident Power Influence on Magnetoimpedance Element With Domain-Wall Resonance. IEEE Transactions on Magnetics, 2018, 54, 1-5.	1.2	3
94	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
95	Characterization of Structural Materials Using AC Permeability. Journal of the Magnetics Society of Japan, 2005, 29, 563-566.	0.4	3
96	Magnetic NDE for Sensitization of Inconel 600 Alloy. Journal of Magnetics, 2013, 18, 348-351.	0.2	3
97	Miniaturization of high-frequency carrier-type thin-film magnetic field sensor using laminated film. , 0, , .		2
98	A New Analysis of Minor Hysteresis Loops and QNDE. AIP Conference Proceedings, 2005, , .	0.3	2
99	Magnetoacoustic Emission Characteristics on Cold Rolled Low Carbon Steel. Journal of Physics: Conference Series, 2011, 266, 012055.	0.3	2
100	Magnetic and Hardness Analysis During Precipitation and Recovery Process of Deformed Fe-Cu Alloy. Physics Procedia, 2015, 75, 1279-1285.	1.2	2
101	Improvement of Stepped Magnetoimpedance Properties by Controlling the Demagnetizing Effect. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	2
102	Magnetic Yoke Probe for In-situ Magnetic Measurements. IEEE Transactions on Fundamentals and Materials, 2006, 126, 919-924.	0.2	2
103	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
104	Magnetic NDE with Magnetic Yoke-Probe for Degradation and Mechanical Properties of Steel. RILEM Bookseries, 2013, , 505-511.	0.2	2
105	Controlling the Magnetoimpedance Property of Thin-Film Elements Using Joule Heating. IEEE Transactions on Magnetics, 2022, 58, 1-5.	1.2	2
106	High frequency impedance of CuBe solid pins used for fast computer connectors. IEEE Transactions on Magnetics, 1997, 33, 3316-3318.	1.2	1
107	Motion capture system using magnetic marker. , 0, , .		1
108	Magnetic Study of Martensitic Transformation in Austenitic Stainless Steel by Low Field Hysteresis Loops Analysis. AIP Conference Proceedings, 2005, , .	0.3	1

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109	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
110	Analysis of Minor Hysteresis Loops in Cold Rolled Low Carbon Steel. , 2006, , .		1
111	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
112	Nondestructive evaluation of hardness using AC permeability and impedance analysis. , 2013, , .		1
113	Effect of Neutron Flux on Magnetic Hysteresis in Neutron-Irradiated Pressure Vessel Steels. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	1
114	Improvement of stepped magnetoimpedance properties by controlling demagnetizing effect. , 2015, , .		1
115	Applications of Higher Sensitive Magnetic Field Sensors on Nondestructive Testing and Evaluation. IEEJ Transactions on Fundamentals and Materials, 2017, 137, 470-475.	0.2	1
116	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
117	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
118	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
119	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
120	Magnetic near field probe based on the high-frequency carrier type thin-film magnetic field sensor. , 0, , .		0
121	Improvement of sensitivity using carrier suppression technique in high frequency carrier type thin-film magnetic field sensor. , 0, , .		0
122	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
123	Phase detection of high frequency carrier type thin film sensor. , 0, , .		0
124	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
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	Magnetomechanical effects under applied stresses and unloaded conditions by a probe with indirect pickup coil. , 2005, , .		0



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127	Magnetic characterization of thermally sensitized Type 304 and 316 stainless steels. , 2005, , .		0
128	Investigation of inclined-pad type head for cylindrical magnetic storage system. , 2006, , .		0
129	Nondestructive Evaluation of Mechanical Property by Apparatus for Magnetic Measurements of Charpy Test Pieces. , 2006, , .		0
130	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
131	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
132	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
133	Development of Electromagnetic Sensor and Its Application for NDE. Nihon AEM Gakkaishi, 2015, 23, 665-670.	0.0	0
134	Relationship between magnetic properties and hardness on recovery and recrystallization process in cold rolled steel. , 2015, , .		0
135	Magnetoimpedance Characteristics on Micromachined Thin-Film Elements Less Than 100-Micrometers Length. , 2016, , .		0
136	Relationship between sensitization and magnetic characteristics in 304 stainless steel. International Journal of Applied Electromagnetics and Mechanics, 2016, 52, 1075-1080.	0.3	0
137	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
138	Behavior of sensitivity at edge of thin-film magnetoimpedance element. AIP Advances, 2017, 7, 056602.	0.6	0
139	Relation between magnetic property changes and microstructure changes on austenitic stainless steel sensitized by heat treatment. , 2017, , .		0
140	Effect of DC bias current on sensitivity of thin-film magnetoimpedance element. , 2017, , .		0
141	Incident Power Dependence on Magnetoimpedance Element with Domain Wall Resonance. , 2018, , .		0
142	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
143	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
144	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

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145	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