Yoichi Nishino

List of Publications by Year
in descending order

156 papers	3,185 citations	186265 28 h-index	197818 49 g-index
160 all docs	160 docs citations	160 times ranked	1427 citing authors

#	Article	IF	Citations
1	Semiconductorlike Behavior of Electrical Resistivity in Heusler-typeFe2VAlCompound. Physical Review Letters, 1997, 79, 1909-1912.	7.8	359
2	Thermal and transport properties of the Heusler-typeFe2VAl1âˆ’xGex(0â‰¤xâ‰¤0.20)alloys: Effect of doping on lattice thermal conductivity, electrical resistivity, and Seebeck coefficient. Physical Review B, 2006, 74, .	3.2	182
3	Pseudogap Formation in the Intermetallic Compounds(Fe1âˆ’xVx)3Al. Physical Review Letters, 2000, 84, 3674-3677.	7.8	138
4	Effect of off-stoichiometry on the transport properties of the Heusler-typeFe2VAlcompound. Physical Review B, 2001, 63, .	3.2	129
5	Electronic structure of possible 3d `heavy-fermion' compound. Journal of Physics Condensed Matter, 1998, 10, L119-L126.	1.8	108
6	Phase stability of Fe3Al with addition of 3d transition elements. Scripta Materialia, 1997, 36, 461-466.	5.2	81
7	Effect of Silicon Substitution on Thermoelectric Properties of Heusler-type Fe₂VAl Alloy. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2001, 65, 652-656.	0.4	80
8	Anomalous temperature dependence of the electrical resistivity in binary and pseudobinary alloys based onFe3Si. Physical Review B, 1993, 48, 13607-13613.	3.2	71
9	Bond-length relaxation in crystallineSi1âˆ’xGexalloys: An extended x-ray-absorption fine-structure study. Physical Review B, 1992, 45, 14005-14010.	3.2	64
10	Doping Effects on Thermoelectric Properties of the Pseudogap Fe₂VAl System. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2002, 66, 767-771.	0.4	62
11	Thermoelectric properties of the Heusler-type Fe2VTaxAl1âˆ’x alloys. Journal of Applied Physics, 2014, 115, .	2.5	58
12	Doping effects on thermoelectric properties of the off-stoichiometric Heusler compounds Fe2âˆ’xV1+xAl. Journal of Applied Physics, 2014, 115, 123707.	2.5	56
13	Transport and magnetic properties of the Heusler-typeFe2âˆ’xV1+xAlsystem(âˆ’0.01â©½xâ©½0.08). Physical Review B, 2005, 71, .	3.2	55
14	Thermoelectric properties of supersaturated Re solid solution of higher manganese silicides. Japanese Journal of Applied Physics, 2016, 55, 020301.	1.5	55
15	Electrical-resistance maximum near the Curie point in (Fe1âˆ’xVx)3Ga and (Fe1âˆ’xTix)3Ga. Physical Review B, 1991, 44, 12406-12412.	3.2	54
16	Electronic Structure and Transport Properties of Pseudogap System Fe₂VAl. Materials Transactions, 2001, 42, 902-910.	1.2	52
17	Thermoelectric properties of Heusler-type off-stoichiometric Fe₂V_{1+<i>x</i>}Al_{1âˆ’<i>x</i>}alloys. Materials Research Express, 2014, 1, 015901.	1.6	47
18	Phase stability and mechanical properties of Fe3Al with addition of transition elements. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1997, 234-236, 271-274.	5.6	46

#	Article	IF	Citations
19	Microstructural evolution and stability of (Fe1â^’xVx)3Al alloys in relation to the electronic structure. Intermetallics, 2000, 8, 1209-1214.	3.9	39
20	Fabrication and Characterization of Three-Dimensional Carbon Fiber Reinforced Silicon Carbide and Silicon Nitride Composites. Journal of the American Ceramic Society, 1995, 78, 2811-2814.	3.8	38
21	Electronic, magnetic and transport properties of (Fe1-xVx)3Al alloys. Journal of Physics Condensed Matter, 2000, 12, 1769-1779.	1.8	38
22	Development of thermoelectric materials based on Fe2VAl Heusler compound for energy harvesting applications. IOP Conference Series: Materials Science and Engineering, 2011, 18, 142001.	0.6	38
23	Thermoelectric properties of Alâ€“Mnâ€“Si C40 phase containing small amount of W or Ta. Japanese Journal of Applied Physics, 2015, 54, 071801.	1.5	37
24	Electrical Resistance Anomaly and Hall Effect in (Fe_{1−<I>x</I>}V<I>_x</I>)₃Al Alloys. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1998, 62, 669-674.	0.4	36
25	Effect of high-pressure torsion on the microstructure and thermoelectric properties of Fe2VAl-based compounds. Journal of Applied Physics, 2018, 124, .	2.5	34
26	High-resolution soft x-ray photoelectron study of density of states and thermoelectric properties of the Heusler-type alloys(Fe2â^•3V1â^•3)100â^’yAly. Physical Review B, 2005, 71, .	3.2	33
27	Extended x-ray-absorption fine-structure study of hydrogenated amorphous silicon-germanium alloys. II. Dependence of bond length and coordination on composition. Physical Review B, 1988, 38, 1942-1946.	3.2	32
28	High-resolution photoelectron spectroscopy of Heusler-type Fe2VAl alloy. Journal of Synchrotron Radiation, 2002, 9, 233-236.	2.4	32
29	Electrical resistance anomaly in Fe3Al-based alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1998, 258, 50-58.	5.6	30
30	Unusual electron transport in Heusler-type Fe2VAl compound. Intermetallics, 2000, 8, 1233-1241.	3.9	29
31	Training effect on damping capacity in Feâ€“20mass% Mn binary alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 490, 138-145.	5.6	29
32	Effect of Off-Stoichiometry on the Thermoelectric Properties of Heusler-Type Fe2VAl Sintered Alloys. Journal of Electronic Materials, 2016, 45, 1284-1289.	2.2	29
33	Stability of the DO3 phase in (Fe1 â^’ xMx)3Ga (M; 3d transition metals). Scripta Metallurgica Et Materialia, 1991, 25, 2291-2296.	1.0	25
34	Electronic and Local Crystal Structures of the ZrNiSn Half-Heusler Thermoelectric Material. Materials Transactions, 2014, 55, 1209-1214.	1.2	25
35	Doping Effects of Transition Metals on Thermoelectric Properties of Off-Stoichiometric Fe2VAl Alloys. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2009, 73, 846-851.	0.4	24
36	Surface and bulk electronic structures of Heusler-type Fe2VAl. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2006, 24, 1464-1467.	2.1	23

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37	Straining Apparatus for Dynamic Observation by X-Ray Topography. Japanese Journal of Applied Physics, 1981, 20, 1533-1539.	1.5	22
38	Machine learning based prediction of lattice thermal conductivity for half-Heusler compounds using atomic information. Scientific Reports, 2021, 11, 13410.	3.3	22
39	Strain amplitude-dependent anelasticity in Cuâ€“Ni solid solution due to thermally activated and athermal dislocationâ€“point obstacle interactions. Journal of Applied Physics, 1999, 85, 1444-1459.	2.5	21
40	Effects of É›-martensite and dislocations behavior by thermo-mechanical treatment on Feâ€“Crâ€“Mn damping alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 521-522, 368-371.	5.6	20
41	Electrons per Atom Ratio Determination and Hume-Rothery Electron Concentration Rule for P-Based Polar Compounds Studied by FLAPWâ€“Fourier Calculations. Inorganic Chemistry, 2015, 54, 930-946.	4.0	20
42	Local structure and atomic dynamics in Fe2VAl Heusler-type thermoelectric material: The effect of heavy element doping. Physical Review B, 2020, 101, .	3.2	20
43	Off-stoichiometric Effects on Thermoelectric Properties of Fe2VAl-based Compounds. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2010, 57, 207-212.	0.2	19
44	Thermoelectric property of bulk CaMgSi intermetallic compound. Journal of Alloys and Compounds, 2017, 691, 914-918.	5.5	19
45	Internal Friction and Phase Transformation in FCC Fe–Ni–Mn Alloys Subjected to Cathodic Hydrogen Charging. Materials Transactions, JIM, 1990, 31, 995-998.	0.9	18
46	Effects of Re Substitution on Thermoelectric Properties of Pseudogap System Fe2VAl. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2007, 71, 208-212.	0.4	18
47	Microplasticity and Dislocation Mobility in Copper-Nickel Single Crystals Evaluated from Strain-Amplitude-Dependent Internal Friction. Physica Status Solidi A, 1992, 129, 409-419.	1.7	17
48	Temperature dependence of electrical resistivity in (Fe1-xTix)3Al alloys. Journal of Physics Condensed Matter, 2000, 12, 9153-9162.	1.8	17
49	Influence of impurity content on the acoustoplastic effect, internal friction, and Young's modulus defect during deformation of Cu-Ni single crystals. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1998, 77, 151-166.	0.6	15
50	Thermoelectric Properties of P-Type Heusler Compounds (Fe_{2−<I>x</I>}Co<I>_x</I>)(V_{1−<I>y</I>}Ti<I>_y</I>)Al. Materials Transactions, 2008, 49, 1858-1862.	1.2	15
51	Significant reduction in the thermal conductivity of Si-substituted <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Fe</mml:mi><mml:mn>2</mml:mn></mm epilayers. Physical Review B, 2019, 99, .	3.2	15
52	Viscoelastic Behaviour of Oxide Films on Silicon Crystals. Physica Status Solidi A, 1982, 74, 193-200.	1.7	14
53	Effect of Grain Size on Amplitude-Dependent Internal Friction in Polycrystalline Copper. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1991, 55, 848-852.	0.4	14
54	Soft X-ray photoemission study of the Heusler-type Fe2VAl1â^'zGez alloys. Journal of Electron Spectroscopy and Related Phenomena, 2007, 156-158, 347-350.	1.7	14

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55	Electronic structure of Heusler-type Fe 2 V 1+x Al 1â^'x thermoelectric materials. Journal of Electron Spectroscopy and Related Phenomena, 2014, 195, 185-188.	1.7	14
56	Photoemission Study of D0₃-related (Fe_{1-x}V_x)₃Al Alloys. Japanese Journal of Applied Physics, 1999, 38, 496.	1.5	14
57	Lattice Hardening and Anomalous Softening of Iron and Steel Caused by Electrolytic Hydrogen Charging. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1979, 43, 241-248.	0.4	13
58	Internal friction caused by dissolved hydrogen in FCC iron-nickel alloys. Scripta Metallurgica, 1987, 21, 1235-1239.	1.2	13
59	Effect of vanadium substitution on strength properties of Fe3Al-based alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 319-321, 368-371.	5.6	13
60	Thermoelectric Properties of the Pseudogap Fe₂VAl System. Materials Science Forum, 2004, 449-452, 909-912.	0.3	13
61	Thermoelectric Properties of p-Type Fe2(V1-x-yTixTay) Al Alloys. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2008, 72, 593-598.	0.4	13
62	Effects of training temperature on damping capacity in thermally cycled Feâ€“20 mass%Mn alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 521-522, 376-379.	5.6	13
63	Soft X-ray photoemission study of thermoelectric alloys Fe2â^'xâ^'yIryV1+xAl and Fe2â^'xV1+xâ^'yTiyAl. Journal of Electron Spectroscopy and Related Phenomena, 2011, 184, 236-239.	1.7	13
64	Direct observation of the electronic structure in thermoelectric half-Heusler alloys Zr1â^'<i>x</i> <i>M</i> <i>x</i>NiSn (<i>M</i>â€‰=â€‰Y and Nb). Journal of Applied Physics, 2015, 117, .	2.5	13
65	Effects of off-stoichiometry and Ti doping on thermoelectric performance of Fe2VAl Heusler compound. AIP Advances, 2019, 9, 125003.	1.3	13
66	Probing local distortion around structural defects in half-Heusler thermoelectric NiZrSn alloy. Scientific Reports, 2020, 10, 19820.	3.3	13
67	Calculation of Bond Lengths in Si1-xGexAlloys Based on the Valence-Force-Field Model. Japanese Journal of Applied Physics, 1990, 29, 842-843.	1.5	12
68	Improving thermoelectric performance of Fe2VAl-based Heusler compounds via high-pressure torsion. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	2.3	12
69	Strain-amplitude-dependent internal friction and microplasticity in alumina with microcracks. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1992, 65, 1187-1197.	0.6	11
70	Origin of large thermoelectric power in off-stoichiometric Fe₂VAl-based alloys. IOP Conference Series: Materials Science and Engineering, 2011, 18, 142004.	0.6	11
71	Damping Capacity of Fe–17mass%Mn High Damping Alloy with Variant Controlled Microstructure. Materials Transactions, 2013, 54, 1288-1294.	1.2	11
72	Mechanical hysteresis due to microplasticity in alumina with microcracks. Philosophical Magazine Letters, 1992, 66, 313-316.	1.2	10

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73	Analysis of strain-amplitude-dependent internal friction in thin-layer materials. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1995, 71, 139-148.	0.6	10
74	Effect of molybdenum substitution on phase stability and high-temperature strength of Fe3 Al alloys. Philosophical Magazine Letters, 1998, 78, 97-103.	1.2	10
75	Mechanical properties of thin-film materials evaluated from amplitude-dependent internal friction. Journal of Electronic Materials, 1999, 28, 1023-1031.	2.2	10
76	Effect of molybdenum substitution on the yield stress anomaly in Fe3Al-based alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 387-389, 973-976.	5.6	10
77	Effect of Ta substitution on the electronic structure of Heusler-type Fe2VAl-based alloy. Journal of Applied Physics, 2016, 120, 125106.	2.5	10
78	Electronic and crystal structures of thermoelectric CaMgSi intermetallic compound. Journal of Electron Spectroscopy and Related Phenomena, 2016, 206, 18-23.	1.7	10
79	Electrical Resistivity Anomaly and Magnetic Properties in Heusler-Type Fe₂VAl Alloy. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2001, 65, 771-774.	0.4	10
80	Dislocation Generation in the Initiation of Fractures in Silicon Crystals. Japanese Journal of Applied Physics, 1982, 21, 1283-1286.	1.5	9
81	Generation Process of Dislocations in Precipitate-Containing Silicon Crystals. Physica Status Solidi A, 1982, 73, 173-182.	1.7	9
82	Hydrogen-induced phase transformations in Fe50Ni50â^’xMnx alloys. Scripta Metallurgica Et Materialia, 1990, 24, 703-708.	1.0	9
83	Determination of dislocation mobility from amplitude-dependent internal friction. Physica Status Solidi A, 1995, 151, 83-91.	1.7	9
84	Magnetic circular dichroism at Fe and V L2,3 thresholds of Heusler-type Fe2â^’xV1+xAl. Physica B: Condensed Matter, 2004, 351, 338-340.	2.7	9
85	Migration of Cell Broadband Engine from 65nm SOI to 45nm SOI. , 2008, , .		9
86	Fermi surfaceâ€“Brillouin-zone-induced pseudogap in Î³-Mg17Al12and a possible stabilization mechanism of Î²-Al3Mg2. Journal of Physics Condensed Matter, 2010, 22, 485501.	1.8	9
87	Training Effects on Damping Capacity in Fe-Mn and Fe-Mn-Cr Alloys. Materials Science Forum, 0, 638-642, 2201-2206.	0.3	9
88	Flash-sintering of antimony telluride and its thermoelectric properties. Journal of Applied Physics, 2018, 124, 105104.	2.5	9
89	Direct observation of pseudo-gap electronic structure in the Heusler-type Fe2VAl thin film. Journal of Electron Spectroscopy and Related Phenomena, 2019, 232, 1-4.	1.7	9
90	Dislocation configurations characteristic of deformed czochralski-grown silicon crystals. Physica Status Solidi A, 1982, 70, 729-737.	1.7	8

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91	Effects of gas transports in metals on negative pressures in water in Mo/Cu Berthelot tubes. Journal Physics D: Applied Physics, 2001, 34, 1717-1726.	2.8	8
92	Pseudogap Formation and Thermoelectric Properties of Heusler-type Compounds. Materia Japan, 2005, 44, 648-653.	0.1	8
93	X-ray topographic in-situ observation of slip band propagation in MgO single crystals. Physica Status Solidi A, 1983, 76, 277-284.	1.7	7
94	Amplitude-Dependent Internal Friction and Microplasticity in Thin-Film Materials. European Physical Journal Special Topics, 1996, 06, C8-783-C8-786.	0.2	7
95	Microplasticity of copper thin films on silicon substrates. Philosophical Magazine Letters, 2001, 81, 743-750.	1.2	7
96	Effect of frequency on amplitude-dependent internal friction in niobium. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 442, 156-159.	5.6	7
97	SYNCHROTRON RADIATION PHOTOELECTRON STUDY OF HEUSLER-TYPEFe2VAl-BASED ALLOYS. Advances in Synchrotron Radiation, 2008, 01, 235-243.	0.0	7
98	Temperature dependence of friction force acting on dislocations in silicon crystals. Journal of Materials Science, 1984, 19, 245-253.	3.7	6
99	Photoelectric and structural properties of a-Si1-xGex: H alloys prepared using Si2H6 and GeH4. Applied Surface Science, 1988, 33-34, 735-741.	6.1	6
100	Extended x-ray-absorption fine-structure study of hydrogenated amorphous silicon-germanium alloys. I. Analysis based on spherical waves of photoelectrons. Physical Review B, 1988, 38, 1938-1941.	3.2	6
101	Thermoelectric Properties of Heusler-Type (Fe1-xCox)2TiAl Alloys. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2008, 72, 464-469.	0.4	6
102	Development of EXAFS Spectrometer and Structural Characterization of Amorphous Silicon. Japanese Journal of Applied Physics, 1986, 25, 885-890.	1.5	5
103	Stabilization of the HCP Ïµ phase in an Feî—,21%Mn alloy subjected to cathodic hydrogen charging. Scripta Metallurgica Et Materialia, 1993, 29, 135-137.	1.0	5
104	Internal friction study of microplasticity in polycrystalline gold thin films. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 442, 347-351.	5.6	5
105	Power supply noise simulation considering dynamic effect of on-chip current. , 2006, , .		5
106	Internal friction study of the stress relaxation behavior in Cuâ€"Niâ€"P alloys. Scripta Materialia, 2012, 66, 686-689.	5.2	5
107	Internal Friction and Microplasticity of Carbon-Fiber-Reinforced SiC Ceramics. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1995, 59, 788-792.	0.4	4
108	Magnetic circular dichroism at transition metalL2,3edges inD03-type (Fe1-xMnx)3Al alloys. Journal of Synchrotron Radiation, 2001, 8, 455-456.	2.4	4

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109	Magnetic circular dichroism at transition metalL2,3edges inD03-type (Fe1-xVx)3Al alloys. Journal of Synchrotron Radiation, 2001, 8, 457-459.	2.4	4
110	Amplitude-dependent internal friction in copper thin films on silicon substrates. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 370, 146-149.	5.6	4
111	Internal friction and magnetic properties of thermally aged Feâ€“1 wt.% Cu alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 521-522, 209-212.	5.6	4
112	Soft X-ray Photoelectron Spectroscopy of Heusler-type Thermoelectric Alloys Fe2-x-yIryV1+xAl. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2010, 57, 213-217.	0.2	4
113	Near-Net-Shape Fabrication of Thermoelectric Legs by Flash Sintering. Journal of Electronic Materials, 2020, 49, 593-600.	2.2	4
114	Mechanical Properties of Aluminum Thin Films Evaluated from Amplitude-Dependent Internal Friction. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1996, 60, 952-956.	0.4	4
115	The frequency dependence of internal friction caused by hydrogen and deuterium in iron-nickel invar alloy. Scripta Metallurgica, 1989, 23, 197-202.	1.2	3
116	Amplitude-Dependent Internal Friction Study of Fatigue Deterioration in Carbon Fiber Reinforced Plastic Laminates. Materials Research, 2018, 21, .	1.3	3
117	Preferential Absorption of Hydrogen into ε Phase in Fe-Mn Alloys. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1993, 57, 384-388.	0.4	3
118	Amplitude-Dependent Internal Friction in SiC-Whisker-Reinforced Al₂O₃ Ceramics. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1996, 60, 377-381.	0.4	3
119	Effects of Environmental Gas on HVEM Radiation Damage in Aluminum. Crystal Research and Technology: Journal of Experimental and Industrial Crystallography, 1979, 14, 1219-1222.	0.3	2
120	Anomalies in Young's modulus of Fe65 (Ni1 â^’ xMnx)35 alloys. Scripta Metallurgica Et Materialia, 1991, 25, 1071-1073.	1.0	2
121	Effects of Order-Disorder Transition on High-Temperature Deformation Behavior of (Fe1-xVx)3Al Alloys (xâ‰¤1/3). Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2005, 69, 880-885.	0.4	2
122	Development of Thermoelectric Materials Based on Heusler Compounds for Energy Harvesting Applications. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2010, 57, 201-206.	0.2	2
123	Internal Friction Study of Vacancy Hardening in B2 Fe Al Alloys. Solid State Phenomena, 0, 184, 81-86.	0.3	2
124	New Development of Thermoelectric Materials Based on Heusler Compounds. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2015, 79, 548-554.	0.4	2
125	Current Research and Future Prospective of Iron-Based Heusler Alloys as Thermoelectric Materials. Nanotechnologies in Russia, 2019, 14, 281-289.	0.7	2
126	Pseudogap engineering of Fe2VAl-based thermoelectric Heusler compounds. , 2021, , 143-156.		2

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127	Hardening of MgO single crystals by X-ray irradiation at room temperature. Materials Science and Engineering, 1983, 61, 117-118.	0.1	1
128	Dislocation configurations induced by cyclic deformation in silicon crystals. Physica Status Solidi A, 1983, 78, 655-663.	1.7	1
129	X-ray topography study of crack-induced dislocations in MgO single crystals. Materials Science and Engineering, 1984, 68, L1-L4.	0.1	1
130	Strain Aging in Czochralski-Grown Silicon Crystals. Physica Status Solidi A, 1990, 122, 163-169.	1.7	1
131	Some remarks on frequency spectra of internal friction based on the relaxation mechanism. Scripta Metallurgica Et Materialia, 1990, 24, 191-194.	1.0	1
132	Internal Friction Study of Microplasticity of Aluminum Thin Films on Silicon Substrates. Materials Transactions, JIM, 1995, 36, 1476-1482.	0.9	1
133	Effects of Ru Substitution on Transport and Magnetic Properties of a Heusler-Type Fe2VAl Alloy. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2004, 68, 395-400.	0.4	1
134	Research and Development of 3d Multinary Functional Materials for Substitution of Rare and Toxic Elements. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2007, 71, 876-884.	0.4	1
135	Training Effects on Damping Capacity in Mn-22.5mass%Cu-5mass%Ni-2mass%Fe Alloy. Materials Science Forum, 0, 706-709, 2026-2031.	0.3	1
136	Semiconducting Transport Properties in Off-Stoichiometric Fe2âˆ’xVAl1+x. , 2014, , .		1
137	Thermoelectric Properties of Off-Stoichiometric Fe₂V_{1−<i>x</i>}Al_{1+<i>x</i>} Sintered Alloys and Design of Thermoelectric Power Generation Module. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2015, 79, 627-632.	0.4	1
138	Thermoelectric Properties of the Off-Stoichiometric Heusler Alloys Fe_{2−<i>y</i>}V_{1+<i>x</i>+<i>y</i>}Al<sub&g Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2015, 79, 621-626.	0.4	1
139	Structure and thermoelectric property of bulk CaMgSi intermetallic compound. AIP Conference Proceedings, 2017, , .	0.4	1
140	Development of Heusler-Type Fe2VAl Alloys for Thermoelectric Power Generation. , 2014, , 371-378.		1
141	Suppressed atomic diffusion in flash sintering of bismuth telluride. Journal of the European Ceramic Society, 2022, , .	5.7	1
142	Hard Xâ€ray Photoemission Study of Heuslerâ€type Fe _{2â€•<i>x</i>} Re _{<i>x</i>} VAl Thermoelectric Compounds. Physica Status Solidi (B): Basic Research, 0, , .	1.5	1
143	Hard X-Ray Photoemission Study on Bulk Electronic Structure of Heusler-Type Fe_{2âˆ’}<i>_x</i>V₁₊<i>_x</i>Al Alloys. Journal of the Physical Society of Japan, 2022, 91, .	1.6	1
144	Cross-Sectional X-Ray Topographic Study of Lattice Distortion in Silicon Crystals with Oxide Film. Japanese Journal of Applied Physics, 1990, 29, 1048-1049.	1.5	0

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145	The Effect of Bi Addition on Thermoelectric Properties of the Sintered Heusler Fe2VAl Alloy. Materials Research Society Symposia Proceedings, 2007, 1044, 1.	0.1	0
146	Development of Thermoelectric Materials Based on Fe2VAl Heusler Compound and Application to Thermoelectric Module. Materia Japan, 2011, 50, 155-157.	0.1	0
147	Stress Relaxation Behavior of Cu-Ni-P Alloys Evaluated from Amplitude-Dependent Internal Friction. Solid State Phenomena, 2012, 184, 245-250.	0.3	0
148	Interaction Potential between a Dislocation and a Pinning Atom in FCC Metals. Solid State Phenomena, 2012, 184, 131-136.	0.3	0
149	Thermoelectric Properties of Al-Mn-Si Based C54-Phase Containing Small Amount of C40-Phase. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2015, 79, 577-580.	0.4	0
150	Thermoelectric Properties of Al-Mn-Si Based C54 Phase Containing Small Amount of C40 Phase. Materials Transactions, 2016, 57, 1055-1058.	1.2	0
151	Effects of Grain Size on Deformation Behavior of Heusler-type Fe₂VAl Alloys. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2016, 80, 317-320.	0.4	0
152	Microplasticity of Alumina in Forerunning Process of Fracture. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1993, 57, 389-393.	0.4	0
153	Influence of Ni Content on Internal Friction and Acoustoplastic Effect in Cu-Ni Single Crystals. European Physical Journal Special Topics, 1996, 06, C8-297-C8-300.	0.2	0
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