

Masaru Itakura

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Infrared laser annealing of nanocomposite Nd-Fe-B/Mo/FeCo multilayered magnet films. AIP Advances, 2022, 12, .	1.3	2
2	Suppression mechanism of abnormal grain growth by Zr addition in pressless processed Nd-Fe-B sintered magnets. Journal of Alloys and Compounds, 2021, 887, 161244.	5.5	8
3	Effect of Mo monoatomic interlayer on magnetic properties of in-plane anisotropic Nd-Fe-B/Mo/FeCo nanocomposite multilayered films. AIP Advances, 2021, 11, .	1.3	3
4	Elemental Distribution near the Grain Boundary in a Nd-Fe-B Sintered Magnet Subjected to Grain-Boundary Diffusion with Dy ₂ O ₃ . Materials Transactions, 2020, 61, 438-443.	1.2	6
5	Preparation of Nd-Fe-B/±-Fe nano-composite thick-film magnets on various substrates using PLD with high laser energy density above 10 J/cm ² . AIP Advances, 2018, 8, 056223.	1.3	0
6	Influence of Desorption Recombination Temperatures on Microstructure and Coercivity of HDDR-Processed Anisotropic Nd-Fe-B Magnet Powders. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2018, 82, 121-124.	0.4	0
7	Preparation of Thick-Film Magnets and Their Applications. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2018, 69, 485-489.	0.2	0
8	Microstructure and coercivity in La-coated Nd ₂ Fe ₁₄ B thin films. AIP Advances, 2017, 7, 035301.	1.3	2
9	Anisotropic magnetic property of nanocomposite Nd ₂ Fe ₁₄ B/Mo/±-Fe multilayer films. Journal of Physics: Conference Series, 2017, 903, 012015.	0.4	2
10	Microstructures of Ta-Inserted SmCo ₅ /Fe Nanocomposite Thick Film Magnets. Materials Transactions, 2017, 58, 1351-1355.	1.2	0
11	Magnetic Properties and Stabilities of (Nd _{0.76} , Pr _{0.24})-Fe-B HDDR Powders and Injection-Molded Bonded Magnets Made from Them. Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2016, 63, 1047-1052.	0.2	0
12	Modification of the Interface Nanostructure and Magnetic Properties in Nd-Fe-B Thin Films. Nanoscale Research Letters, 2016, 11, 33.	5.7	12
13	Coercivity Enhancement in La Coated Nd-Fe-B Thin Films. Physics Procedia, 2015, 75, 1294-1299.	1.2	4
14	Magnetic Properties of $\frac{\text{SmCo}}{\alpha \text{Fe}}$ Nanocomposite Thick Film-Magnets at Room and High Temperatures. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	6
15	Epitaxial growth of (010)-oriented $\hat{1}^2$ -FeSi ₂ film on Si(110) substrate. Materials Research Society Symposia Proceedings, 2013, 1493, 189-194.	0.1	1
16	Microstructure analysis of $\hat{1}^2$ -FeSi ₂ grown on Ag-coated Si(001) substrate. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1815-1818.	0.8	4
17	Evaluation of $\hat{1}^2$ -FeSi ₂ /Si-interface using Ag-coating on Si surface. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1684-1687.	0.8	4
18	1.54 $\hat{1}^4$ m luminescence of $\hat{1}^2$ -FeSi ₂ grown on Au-coated Si substrates. Materials Research Society Symposia Proceedings, 2012, 1396, .	0.1	2

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19	Coercivity enhancement of Dy-coated Nd-Fe-B flakes by crystallization. Journal of Applied Physics, 2011, 109, 07A701.	2.5	7
20	Microstructure of Nd-Rich Grain Boundary Phase in Die-Upset Nd-Fe-Co-Ga-B Magnet. Materials Transactions, 2011, 52, 2239-2244.	1.2	8
21	Microstructure Analysis of High Coercivity PLD-Made Nd-Fe-B Thick-Film Improved by Tb-Coating-Diffusion Treatment. Materials Transactions, 2010, 51, 1939-1943.	1.2	12
22	Microscopic studies of metal-induced lateral crystallization in SiGe. Applied Physics Letters, 2010, 96, .	3.3	8
23	Variations in contrast of scanning electron microscope images for microstructure analysis of Si-based semiconductor materials. Journal of Electron Microscopy, 2010, 59, S165-S173.	0.9	20
24	Growth of manganese silicide layers on Si substrates using MnCl ₂ source. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 233-237.	1.8	9
25	Microstructure analysis of Nd-Fe-B sintered magnets improved by Tb-metal vapour sorption. Journal of Microscopy, 2009, 236, 104-108.	1.8	34
26	Grain boundary structure of high coercivity Nd-Fe-B sintered magnets with Tb-metal vapor sorption. IOP Conference Series: Materials Science and Engineering, 2009, 1, 012033.	0.6	5
27	Microscopic Properties of Long-Period Ordering in Al-Rich TiAl Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2008, 39, 1610-1617.	2.2	10
28	Microstructure Analysis of Sintered Nd-Fe-B Magnets Improved by Tb-Vapor Sorption. Materials Transactions, 2007, 48, 915-918.	1.2	70
29	Review of Fabrication and Characterization of Nd-Fe-B Thick Films for Magnetic Micromachines. IEEE Transactions on Magnetics, 2007, 43, 2672-2676.	2.1	35
30	Microstructure Analysis of Nd-Fe-B Sintered Magnets Recovered by Tb Metal Vapor Sorption. Materia Japan, 2006, 45, 868-868.	0.1	1
31	Microstructure control in HDDR process for higher anisotropic Nd-Fe-B magnet powders. , 2005, , .		0
32	Long-period ordering in a TiAl single crystal with a gradient composition. Philosophical Magazine Letters, 2005, 85, 175-185.	1.2	9
33	TEM Analysis of Long-Period Superstructures in TiAl Single Crystal with Composition Gradient. Materials Research Society Symposia Proceedings, 2004, 842, 507.	0.1	1
34	Metal-Induced Crystallization Mechanism of Amorphous Si _{0.8} Ge _{0.4} Thin Film. Materia Japan, 2004, 43, 1010-1010.	0.1	1
35	Strain Modulation of $\hat{1}^2$ -FeSi ₂ by Ge-Segregation in Solid-Phase Growth of [a-Si/a-FeSiGe] _n Multi-Layer. Materials Research Society Symposia Proceedings, 2003, 796, 73.	0.1	0
36	Sputtered Thin Films of β -FeSi ₂ Epitaxially Grown on Si (001) Substrates. Materia Japan, 2003, 42, 888-888.	0.1	0

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37	HRTEM Observation of Partially Ordered Long-Period Superstructures in Al-Rich TiAl Alloys. Materials Research Society Symposia Proceedings, 2002, 753, 1.	0.1	1
38	Anisotropic Nd ₂ /Fe ₁₄ /B based magnet powders with high remanences produced by modified HDDR process. , 1999, . .		0
39	Decomposed Structure in Nd-Fe-B Magnet Alloy-Powder during HDDR Treatment. Materia Japan, 1998, 37, 390-390.	0.1	0
40	Microstructures and crystallographic orientation of crystalline grains in anisotropic Nd ₂ Fe ₁₄ B(Ga) Tj ETQq0 0 0 rgBT /Overlock process. Journal of Applied Physics, 1994, 76, 412-417.	2.5	84
41	Magnetic properties and microstructures of the Nd ₂ Fe ₁₄ B magnet powder produced by hydrogen treatment. Journal of Applied Physics, 1991, 70, 3770-3774.	2.5	97
42	Magnetic properties and microstructures of the Nd ₂ Fe ₁₄ B magnet powder produced by hydrogen treatment (II) (abstract). Journal of Applied Physics, 1990, 67, 4665-4665.	2.5	6
43	Enhanced Interlayer Coupling and Magnetoresistance Ratio in Fe ₃ Si/FeSi ₂ Superlattices. Applied Physics Express, 0, 1, 021302.	2.4	12