Hossein Sepehri Amin

List of Publications by Year
in descending order

140 papers	6,480 citations	71061 41 h-index	71651 76 g-index
140 all docs	140 docs citations	140 times ranked	2161 citing authors

#	Article	IF	Citations
1	Strategy for high-coercivity Ndâ€“Feâ€“B magnets. Scripta Materialia, 2012, 67, 530-535.	2.6	542
2	Grain boundary and interface chemistry of an Ndâ€“Feâ€“B-based sintered magnet. Acta Materialia, 2012, 60, 819-830.	3.8	343
3	High-coercivity ultrafine-grained anisotropic Ndâ€“Feâ€“B magnets processed by hot deformation and the Ndâ€“Cu grain boundary diffusion process. Acta Materialia, 2013, 61, 6622-6634.	3.8	252
4	The mechanism of coercivity enhancement by the grain boundary diffusion process of Ndâ€“Feâ€“B sintered magnets. Acta Materialia, 2013, 61, 1982-1990.	3.8	248
5	Coercivity enhancement of hydrogenationâ€“disproportionationâ€“desorptionâ€“recombination processed Ndâ€“Feâ€“B powders by the diffusion of Ndâ€“Cu eutectic alloys. Scripta Materialia, 2010, 63, 1124-1127.	2.6	219
6	Effect of Nd content on the microstructure and coercivity of hot-deformed Ndâ€“Feâ€“B permanent magnets. Acta Materialia, 2013, 61, 5387-5399.	3.8	196
7	Grain size dependence of coercivity of hot-deformed Ndâ€“Feâ€“B anisotropic magnets. Acta Materialia, 2015, 82, 336-343.	3.8	173
8	Microstructure of fine-grained Ndâ€“Feâ€“B sintered magnets with high coercivity. Scripta Materialia, 2011, 65, 396-399.	2.6	165
9	Micromagnetic simulations on the grain size dependence of coercivity in anisotropic Ndâ€“Feâ€“B sintered magnets. Scripta Materialia, 2014, 89, 29-32.	2.6	164
10	High-coercivity hot-deformed Ndâ€“Feâ€“B permanent magnets processed by Ndâ€“Cu eutectic diffusion under expansion constraint. Scripta Materialia, 2014, 81, 48-51.	2.6	136
11	Distribution of Dy in high-coercivity (Nd,Dy)â€“Feâ€“B sintered magnet. Acta Materialia, 2011, 59, 3061-3069.	3.8	132
12	Correlation of microchemistry of cell boundary phase and interface structure to the coercivity of Sm(Co0.784Fe0.100Cu0.088Zr0.028)7.19 sintered magnets. Acta Materialia, 2017, 126, 1-10.	3.8	129
13	Grain boundary structure and chemistry of Dy-diffusion processed Ndâ€“Feâ€“B sintered magnets. Journal of Applied Physics, 2010, 107, .	1.1	127
14	Microstructure and temperature dependent of coercivity of hot-deformed Ndâ€“Feâ€“B magnets diffusion processed with Prâ€“Cu alloy. Acta Materialia, 2015, 99, 297-306.	3.8	127
15	Enhancement of coercivity of hot-deformed Ndâ€“Feâ€“B anisotropic magnet by low-temperature grain boundary diffusion of Nd60Dy20Cu20 eutectic alloy. Scripta Materialia, 2013, 69, 647-650.	2.6	114
16	Magnetization reversal of exchange-coupled and exchange-decoupled Nd-Fe-B magnets observed by magneto-optical Kerr effect microscopy. Acta Materialia, 2017, 135, 68-76.	3.8	103
17	Prospect for HRE-free high coercivity Nd-Fe-B permanent magnets. Scripta Materialia, 2018, 151, 6-13.	2.6	101
18	Broadening the applications of the atom probe technique by ultraviolet femtosecond laser. Ultramicroscopy, 2011, 111, 576-583.	0.8	97

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19	Coercivity and its thermal stability of Nd Fe B hot-deformed magnets enhanced by the eutectic grain boundary diffusion process. Acta Materialia, 2018, 161, 171-181.	3.8	96
20	Intrinsic magnetic properties of Sm(Fe1-Co)11Ti and Zr-substituted Sm1-yZr (Fe0.8Co0.2)11.5Ti0.5 compounds with ThMn12 structure toward the development of permanent magnets. Acta Materialia, 2018, 153, 354-363.	3.8	92
21	Coercivity enhancement of hot-deformed Ce-Fe-B magnets by grain boundary infiltration of Nd-Cu eutectic alloy. Acta Materialia, 2018, 144, 884-895.	3.8	89
22	Coercivity enhancement of hot-deformed Nd-Fe-B magnets by the eutectic grain boundary diffusion process. Journal of Alloys and Compounds, 2016, 666, 432-439.	2.8	86
23	Coercivity enhancement of hot-deformed Nd-Fe-B magnets by the eutectic grain boundary diffusion process using Nd 62 Dy 20 Al 18 alloy. Scripta Materialia, 2017, 129, 44-47.	2.6	86
24	The effect of the thermal decomposition reaction on the mechanical and magnetocaloric properties of La(Fe,Si,Co)13. Acta Materialia, 2012, 60, 4268-4276.	3.8	76
25	Low temperature diffusion process using rare earth-Cu eutectic alloys for hot-deformed Nd-Fe-B bulk magnets. Journal of Applied Physics, 2014, 115, .	1.1	73
26	Magnetic refrigeration material operating at a full temperature range required for hydrogen liquefaction. Nature Communications, 2022, 13, 1817.	5.8	64
27	Effect of Ga addition on the microstructure and magnetic properties of hydrogenationâ€“disproportionationâ€“desorptionâ€“recombination processed Ndâ€“Feâ€“B powder. Acta Materialia, 2010, 58, 1309-1316.	3.8	62
28	Achievement of high coercivity in Sm(Fe0.8Co0.2)12 anisotropic magnetic thin film by boron doping. Acta Materialia, 2020, 194, 337-342.	3.8	57
29	Microstructure of a Dy-free Nd-Fe-B sintered magnet with 2â€¯T coercivity. Acta Materialia, 2018, 156, 146-157.	3.8	56
30	Coercivity enhancement of selective laser sintered NdFeB magnets by grain boundary infiltration. Acta Materialia, 2019, 172, 66-71.	3.8	53
31	Improved coercivity and squareness in bulk hot-deformed Ndâ€“Feâ€“B magnets by two-step eutectic grain boundary diffusion process. Acta Materialia, 2021, 203, 116479.	3.8	51
32	Effect of MgO underlayer misorientation on the texture and magnetic property of FePtâ€“C granular film. Acta Materialia, 2015, 91, 41-49.	3.8	49
33	Mechanism of the texture development in hydrogen-disproportionationâ€“desorption-recombination (HDDR) processed Ndâ€“Feâ€“B powders. Acta Materialia, 2015, 85, 42-52.	3.8	49
34	Thermal decomposition of ThMn12-type phase and its optimum stabilizing elements in SmFe12-based alloys. Journal of Alloys and Compounds, 2020, 813, 152224.	2.8	48
35	Thermally-stable high coercivity Ce-substituted hot-deformed magnets with 20% Nd reduction. Acta Materialia, 2020, 190, 8-15.	3.8	47
36	Most frequently asked questions about the coercivity of Nd-Fe-B permanent magnets. Science and Technology of Advanced Materials, 2021, 22, 386-403.	2.8	47

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37	Coercivity enhancement of rapidly solidified Ndâ€“Feâ€“B magnet powders. Scripta Materialia, 2013, 68, 167-170.	2.6	46
38	Advances in Nd-Fe-B Based Permanent Magnets. Handbook of Magnetic Materials, 2018, 27, 269-372.	0.6	45
39	The local structure in heavily boron-doped diamond and the effect this has on its electrochemical properties. Carbon, 2018, 137, 333-342.	5.4	44
40	Observation of anomalous Ettingshausen effect and large transverse thermoelectric conductivity in permanent magnets. Applied Physics Letters, 2019, 115, .	1.5	44
41	High-coercivity Ndâ€“Feâ€“B thick films without heavy rare earth additions. Acta Materialia, 2013, 61, 4920-4927.	3.8	42
42	Coercivity of the Ndâ€“Feâ€“B hot-deformed magnets diffusion-processed with low melting temperature glass forming alloys. Journal of Magnetism and Magnetic Materials, 2016, 412, 234-242.	1.0	41
43	Anisotropic Ndâ€“Feâ€“B nanocrystalline magnets processed by spark plasma sintering and in situ hot pressing of hydrogenationâ€“decompositionâ€“desorptionâ€“recombination powder. Scripta Materialia, 2009, 61, 978-981.	2.6	40
44	The effect of Zr substitution on saturation magnetization in (Sm1-xZrx)(Fe0.8Co0.2)12 compound with the ThMn12 structure. Acta Materialia, 2019, 178, 114-121.	3.8	40
45	Anisotropic, single-crystalline SmFe12-based microparticles with high roundness fabricated by jet-milling. Journal of Alloys and Compounds, 2019, 804, 155-162.	2.8	40
46	Coercivities of hot-deformed magnets processed from amorphous and nanocrystalline precursors. Acta Materialia, 2017, 123, 1-10.	3.8	39
47	Temperature-dependent magnetization reversal process and coercivity mechanism in Nd-Fe-B hot-deformed magnets. Journal of Applied Physics, 2015, 118, .	1.1	38
48	Prospects for the development of SmFe12-based permanent magnets with a ThMn12-type phase. Scripta Materialia, 2021, 194, 113686.	2.6	37
49	Hard magnetic properties of spacer-layer-tuned NdFeB/Ta/Fe nanocomposite films. Acta Materialia, 2015, 84, 405-412.	3.8	35
50	Magnetic and structural properties of MnBi multilayered thin films. Journal of Applied Physics, 2014, 115, .	1.1	34
51	Microstructure and magnetic properties of grain boundary modified recycled Nd-Fe-B sintered magnets. Journal of Alloys and Compounds, 2017, 694, 175-184.	2.8	34
52	Development of ultra-fine grain sized SmFe12-based powders using hydrogenation disproportionation desorption recombination process. Acta Materialia, 2019, 165, 373-380.	3.8	33
53	Coercivity enhancement of HDDR-processed Ndâ€“Feâ€“B permanent magnet with the rapid hot-press consolidation process. Journal of Magnetism and Magnetic Materials, 2011, 323, 115-121.	1.0	32
54	Effect of ball-milling surfactants on the interface chemistry in hot-compacted SmCo5 magnets. Acta Materialia, 2012, 60, 6685-6691.	3.8	32

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55	Enhanced coercivity of spark plasma sintered Zn-bonded Smâ€“Feâ€“N magnets. Scripta Materialia, 2012, 67, 153-156.	2.6	32
56	Comparison of coercivity and squareness in hot-deformed and sintered magnets produced from a Nd-Fe-B-Cu-Ga alloy. Scripta Materialia, 2019, 160, 9-14.	2.6	31
57	Relationship between the thermal stability of coercivity and the aspect ratio of grains in Nd-Fe-B magnets: Experimental and numerical approaches. Acta Materialia, 2020, 183, 408-417.	3.8	31
58	Role of Co on the magnetic properties of Ce-substituted Nd-Fe-B hot-deformed magnets. Acta Materialia, 2019, 175, 1-10.	3.8	30
59	Recent advances in SmFe₁₂-based permanent magnets. Science and Technology of Advanced Materials, 2021, 22, 449-460.	2.8	30
60	Searching the weakest link: Demagnetizing fields and magnetization reversal in permanent magnets. Scripta Materialia, 2018, 154, 253-258.	2.6	29
61	On the temperature-dependent coercivities of anisotropic Nd-Fe-B magnet. Acta Materialia, 2020, 199, 288-296.	3.8	29
62	Angular dependence and thermal stability of coercivity of Nd-rich Ga-doped Ndâ€“Feâ€“B sintered magnet. Acta Materialia, 2020, 187, 66-72.	3.8	29
63	Microstructural origin of hysteresis in Ni-Mn-In based magnetocaloric compounds. Acta Materialia, 2018, 147, 342-349.	3.8	28
64	Impact of carbon segregant on microstructure and magnetic properties of FePt-C nanogranular films on MgO (001) substrate. Acta Materialia, 2019, 166, 413-423.	3.8	28
65	Preparation, Characterization, and Modeling of Ultrahigh Coercivity Smâ€“Co Thin Films. Advanced Electronic Materials, 2015, 1, 1500009.	2.6	27
66	Micromagnetic Simulations of Magnetization Reversals in Nd-Fe-B Based Permanent Magnets. Materials Transactions, 2016, 57, 1221-1229.	0.4	27
67	Development of high coercivity anisotropic Nd-Fe-B/Fe nanocomposite powder using hydrogenation disproportionation desorption recombination process. Acta Materialia, 2019, 175, 276-285.	3.8	27
68	Microstructure evolution of hot-deformed Nd-Fe-B anisotropic magnets. Journal of Applied Physics, 2014, 115, .	1.1	26
69	Coercivity enhancement of Nd-Fe-B hot-deformed magnets by the eutectic grain boundary diffusion process using Nd-Ga-Cu and Nd-Fe-Ga-Cu alloys. AIP Advances, 2018, 8, .	0.6	26
70	High frequency out-of-plane oscillation with large cone angle in mag-flip spin torque oscillators for microwave assisted magnetic recording. Applied Physics Letters, 2017, 110, .	1.5	25
71	On the synthesis and microstructure analysis of high performance MnBi. AIP Advances, 2016, 6, .	0.6	24
72	Magnetization reversal of FePt based exchange coupled composite media. Acta Materialia, 2016, 111, 47-55.	3.8	24

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73	Reduction of hysteresis in (La1-Ce) (Mn Fe11.4-)Si1.6 magnetocaloric compounds for cryogenic magnetic refrigeration. Acta Materialia, 2021, 220, 117286.	3.8	24
74	Evidence for nano-Si clusters in amorphous SiO anode materials for rechargeable Li-ion batteries. Scripta Materialia, 2013, 69, 92-95.	2.6	23
75	Reduction of critical current density for out-of-plane mode oscillation in a mag-flip spin torque oscillator using highly spin-polarized Co2Fe(Ga0.5Ge0.5) spin injection layer. Applied Physics Letters, 2016, 108, .	1.5	23
76	Suppression of non-oriented grains in Nd-Fe-B hot-deformed magnets by Nb doping. Scripta Materialia, 2018, 147, 108-113.	2.6	22
77	Microstructure-Coercivity Relationships of Nd-Fe-B Base Permanent Magnets. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2012, 76, 2-11.	0.2	21
78	Tuning magnetocaloric effect of Ho1-Gd Ni2 and HoNi2-Co alloys around hydrogen liquefaction temperature. Scripta Materialia, 2020, 188, 302-306.	2.6	21
79	Fieldlike and Dampinglike Spin-Transfer Torque in Magnetic Multilayers. Physical Review Applied, 2017, 7, .	1.5	20
80	Temperature and field direction dependences of first-order reversal curve (FORC) diagrams of hot-deformed Nd-Fe-B magnets. Journal of Magnetism and Magnetic Materials, 2018, 447, 110-115.	1.0	20
81	Origin of coercivity in an anisotropic Sm(Fe,Ti,V)12-based sintered magnet. Acta Materialia, 2021, 217, 117161.	3.8	20
82	The influence of grain morphology and easy axis orientation on the coercivity of Sm(Co0.9Cu0.1)5 thin films. Acta Materialia, 2016, 107, 49-58.	3.8	19
83	Intrinsic magnetic properties of (Sm,Gd)Fe12-based compounds with minimized addition of Ti. Journal of Alloys and Compounds, 2021, 855, 157491.	2.8	19
84	Microstructure and in-plane component of L10-FePt films deposited on MgO and MgAl2O4 substrates. Scripta Materialia, 2017, 130, 247-251.	2.6	18
85	Back-Hopping in Spin-Transfer-Torque Devices: Possible Origin and Countermeasures. Physical Review Applied, 2018, 9, .	1.5	18
86	Reprint of Prospect for HRE-free high coercivity Nd-Fe-B permanent magnets. Scripta Materialia, 2018, 154, 277-283.	2.6	18
87	Role of V on the coercivity of SmFe12-based melt-spun ribbons revealed by machine learning and microstructure characterizations. Scripta Materialia, 2021, 200, 113925.	2.6	18
88	Structural origin of hysteresis for hexagonal (Mn,Fe) 2 (P,Si) magneto-caloric compound. Scripta Materialia, 2017, 138, 96-99.	2.6	17
89	Quantitative laser atom probe analyses of hydrogenation-disproportionated Ndâ€“Feâ€“B powders. Ultramicroscopy, 2011, 111, 615-618.	0.8	16
90	Raman spectral signature of Mn-rich nanoscale phase segregations in carbon free LiFe_{1â^'x}Mn_xPO₄ prepared by hydrothermal technique. RSC Advances, 2014, 4, 64429-64437.	1.7	16

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91	Inducing out-of-plane precession of magnetization for microwave-assisted magnetic recording with an oscillating polarizer in a spin-torque oscillator. Applied Physics Letters, 2019, 114, .	1.5	16
92	Magnetization reversal process of anisotropic hot-deformed magnets observed by magneto-optical Kerr effect microscopy. Journal of Alloys and Compounds, 2019, 771, 51-59.	2.8	16
93	Tuning transition temperature of magnetocaloric Mn1.8Fe0.2(P0.59Si0.41) alloys for cryogenic magnetic refrigeration. Scripta Materialia, 2020, 183, 127-132.	2.6	16
94	Significant coercivity enhancement of hot-deformed bulk magnets by two-step diffusion process using a minimal amount of Dy. Scripta Materialia, 2021, 205, 114207.	2.6	16
95	Transmission electron microscopy image based micromagnetic simulations for optimizing nanostructure of FePt-X heat-assisted magnetic recording media. Acta Materialia, 2022, 227, 117744.	3.8	16
96	Phase relations and extrinsic magnetic properties of Smâ€“(Fe,Co)â€“Tiâ€“(Ga)-based alloys for ThMn12-type permanent magnets. Journal of Magnetism and Magnetic Materials, 2021, 529, 167866.	1.0	15
97	Coercivity engineering in Sm(Fe0.8Co0.2)12B0.5 thin films by Si grain boundary diffusion. Acta Materialia, 2022, 227, 117716.	3.8	15
98	Influence of Ti addition on microstructure and magnetic properties of a heavy-rare-earth-free Nd-Fe-B sintered magnet. Journal of Alloys and Compounds, 2019, 806, 1267-1275.	2.8	14
99	Anisotropy-induced spin reorientation in chemically modulated amorphous ferrimagnetic films. Physical Review Materials, 2020, 4, .	0.9	14
100	Machine learning assisted development of Fe2P-type magnetocaloric compounds for cryogenic applications. Acta Materialia, 2022, 232, 117942.	3.8	14
101	Microstructure and magnetic properties of FePt-(C,SiO2) granular films deposited on MgO, MgTiO, and MgTiON underlayers. Scripta Materialia, 2018, 157, 1-5.	2.6	13
102	Magnetic in-plane components of FePt nanogranular film on polycrystalline MgO underlayer for heat-assisted magnetic recording media. Acta Materialia, 2019, 177, 1-8.	3.8	13
103	Direct detection and stochastic analysis on thermally activated domain-wall depinning events in micropatterned Nd-Fe-B hot-deformed magnets. Acta Materialia, 2020, 201, 7-13.	3.8	13
104	SmFe12-based hard magnetic alloys prepared by reduction-diffusion process. Journal of Alloys and Compounds, 2021, 861, 157993.	2.8	13
105	Pt surface segregation in L1 0 -FePt nano-grains. Scripta Materialia, 2017, 135, 88-91.	2.6	12
106	An alternative approach to the measurement of anisotropy field â€“ Single grain extraction. Journal of Magnetism and Magnetic Materials, 2020, 494, 165747.	1.0	11
107	Magnetic, magnetoresistive and low-frequency noise properties of tunnel magnetoresistance sensor devices with amorphous CoFeBTa soft magnetic layers. Journal Physics D: Applied Physics, 2021, 54, 095002.	1.3	10
108	(Nd,La,Ce)-Fe-B hot-deformed magnets for application of variable-magnetic-force motors. Acta Materialia, 2022, 228, 117747.	3.8	10

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109	Peculiar behavior of V on the Curie temperature and anisotropy field of SmFe12-xVx compounds. Acta Materialia, 2022, 232, 117928.	3.8	10
110	Photoemission electron microscopy study of sub-200 nm self-assembled La0.7Sr0.3MnO3 epitaxial islands. Nanoscale, 2013, 5, 2990.	2.8	9
111	Structure Optimization of FePtâ€“C Nanogranular Films for Heat-Assisted Magnetic Recording Media. IEEE Transactions on Magnetics, 2016, 52, 1-8.	1.2	9
112	Simultaneous direct measurements of conventional and inverse magnetocaloric effects in Niâ€“Mn-based Heusler alloys using lock-in thermography technique. AIP Advances, 2020, 10, 065005.	0.6	9
113	(Pr0.75Ce0.25)-Fe-B hot-deformed magnets for cryogenic applications. Scripta Materialia, 2021, 194, 113648.	2.6	9
114	Design of spin-injection-layer in all-in-plane spin-torque-oscillator for microwave assisted magnetic recording. Journal of Magnetism and Magnetic Materials, 2019, 476, 361-370.	1.0	8
115	Over 100% magnetoresistance ratio at room temperature in magnetic tunnel junctions with CuGaSe2 spacer layer. Applied Physics Letters, 2019, 114, .	1.5	7
116	Detection of elemental magnetization reversal events in a micro-patterned Nd-Fe-B hot-deformed magnet. AIP Advances, 2019, 9, 125052.	0.6	7
117	High magnetic field sensitivity in anti-ferromagnetically coupled 001-epitaxial [Co2Fe(Al0.5Si0.5)/Ag]N multilayers. Journal of Applied Physics, 2018, 124, .	1.1	6
118	Strain-induced cooling-heating switching of anisotropic magneto-Peltier effect. Applied Physics Letters, 2021, 118, .	1.5	6
119	Magnetic and structural properties of MnRh thin Films. Journal of Magnetism and Magnetic Materials, 2016, 401, 144-149.	1.0	5
120	Significant reduction of critical currents in MRAM designs using dual free layer with perpendicular and in-plane anisotropy. Applied Physics Letters, 2017, 110, .	1.5	5
121	Magnetic properties and microstructure of Sm5Fe17-based composite magnets. Acta Materialia, 2021, 212, 116912.	3.8	5
122	Effect of microstructure on the electrical conductivity of p-type Feâ€“Alâ€“Si thermoelectric materials. Journal of Alloys and Compounds, 2022, 903, 163835.	2.8	5
123	Annealing effect on current-driven domain wall motion in Pt/[Co/Ni] wire. Journal of Applied Physics, 2017, 122, .	1.1	4
124	Development of Co-lean (Sm,Y)(Fe,Co,Ti)₁₂ compounds with large saturation magnetization. Applied Physics Express, 2022, 15, 045505.	1.1	4
125	Identifying the mechanism of hard magnet coercivity by its angular dependence. Physical Review B, 2022, 105, .	1.1	4
126	Multi-scale characterization by FIB-SEM/TEM/3DAP. Microscopy (Oxford, England), 2014, 63, i6-i7.	0.7	3

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127	Analysis of an all-in-plane spin-torque oscillator using injection locking to an external microwave magnetic field. Applied Physics Express, 2021, 14, 053001.	1.1	3
128	Analysis method of a spin-torque oscillator using dc resistance change during injection locking to an external microwave magnetic field. Applied Physics Letters, 2021, 119, .	1.5	3
129	Ultra-high temperature flexure and strain driven amorphization in polycrystalline boron carbide bulks. Scripta Materialia, 2022, 210, 114487.	2.6	3
130	Machine Learning Approach for Evaluation of Nanodefects and Magnetic Anisotropy in FePt Granular Films. Scripta Materialia, 2022, 218, 114797.	2.6	3
131	Influence of LRE (Ce, Y, and La) on microstructure and magnetic properties of (Nd0.8LRE0.2)â€“Feâ€“B hot-deformed magnets. AIP Advances, 2021, 11, 115118.	0.6	2
132	Micromagnetic Simulations of Magnetization Reversals in Nd-Fe-B Based Permanent Magnets. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2017, 81, 11-18.	0.2	1
133	Most Frequently Asked Questions about the Coercivity of Nd-Fe-B Permanent Magnets. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2022, 69, S38-S51.	0.1	1
134	Magnetization Reversals of Nd-Fe-B-Based Magnets with Different Microstructural Features. Jom, 2022, 74, 2328-2337.	0.9	1
135	EFFECT OF NANOCRYSTALLIZATION ANNEALING ON MAGNETIC PROPERTIES AND MAGNETOIMPEDANCE OF CO-BASE RIBBONS. International Journal of Modern Physics Conference Series, 2012, 05, 841-846.	0.7	0
136	Energy barrier analysis on hot-deformed Nd-Fe-B magnets. , 2015, , .		0
137	Thermal stability of coercivity in grain boundary modified anisotropic hot-deformed Nd-Fe-B magnets. , 2015, , .		0
138	Low-temperature Diffusion Process for Hot-deformed Bulk Permanent Magnet using RE-Cu Eutectic Alloy. IEEJ Transactions on Fundamentals and Materials, 2016, 136, 478-483.	0.2	0
139	Analysis of a Spin-Torque Oscillator Using Injection Locking to an External Microwave Field. , 2021, , .		0
140	Recent Advances in SmFe₁₂-based Permanent Magnets. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2022, 69, S74-S83.	0.1	0