Tianyu

List of Publications by Year in descending order

148 papers	2,933 citations	147801 31 h-index	243625 44 g-index
149 all docs	149 docs citations	149 times ranked	1398 citing authors

#	Article	IF	Citations
1	Effects of REFe2 on microstructure and magnetic properties of Nd-Ce-Fe-B sintered magnets. Acta Materialia, 2017, 128, 22-30.	7.9	144
2	Chemically Inhomogeneous RE-Fe-B Permanent Magnets with High Figure of Merit: Solution to Global Rare Earth Criticality. Scientific Reports, 2016, 6, 32200.	3.3	106
3	Improved microhardness and wear resistance of the as-deposited electroless Niâ€“P coating. Surface and Coatings Technology, 2008, 202, 5909-5913.	4.8	97
4	Grain boundary restructuring of multi-main-phase Nd-Ce-Fe-B sintered magnets with Nd hydrides. Acta Materialia, 2018, 142, 18-28.	7.9	93
5	Improved thermal stability of Nd-Ce-Fe-B sintered magnets by Y substitution. Scripta Materialia, 2017, 131, 11-14.	5.2	77
6	Coercivity enhancement of NdFeB sintered magnets by low melting point Dy32.5Fe62Cu5.5 alloy modification. Journal of Magnetism and Magnetic Materials, 2014, 355, 131-135.	2.3	69
7	Spatially-confined lithiationâ€“delithiation in highly dense nanocomposite anodes towards advanced lithium-ion batteries. Energy and Environmental Science, 2015, 8, 1471-1479.	30.8	69
8	Manipulating Ce Valence in RE2Fe14B Tetragonal Compounds by La-Ce Co-doping: Resultant Crystallographic and Magnetic Anomaly. Scientific Reports, 2016, 6, 30194.	3.3	65
9	Post-sinter annealing influences on coercivity of multi-main-phase Nd-Ce-Fe-B magnets. Acta Materialia, 2018, 146, 97-105.	7.9	58
10	Rapid coercivity increment of Ndâ€“Feâ€“B sintered magnets by Dy69Ni31 grain boundary restructuring. Journal of Magnetism and Magnetic Materials, 2014, 370, 76-80.	2.3	55
11	Highly thermal-stable ferromagnetism by a natural composite. Nature Communications, 2017, 8, 13937.	12.8	54
12	Electromagnetic wave absorption properties of flaky Feâ€“Tiâ€“Siâ€“Al nanocrystalline composites. Journal of Magnetism and Magnetic Materials, 2010, 322, 940-944.	2.3	46
13	Enhanced coercivity of Nd-Ce-Fe-B sintered magnets by adding (Nd, Pr)-H powders. Journal of Alloys and Compounds, 2017, 721, 1-7.	5.5	45
14	Atomic scale understanding of the defects process in concurrent recrystallization and precipitation of Sm-Co-Fe-Cu-Zr alloys. Acta Materialia, 2021, 202, 290-301.	7.9	45
15	Improvement of corrosion resistance and magnetic properties of Ndâ€“Feâ€“B sintered magnets by Al85Cu15 intergranular addition. Journal of Alloys and Compounds, 2010, 502, 346-350.	5.5	43
16	Improvement of corrosion resistance in Ndâ€“Feâ€“B magnets through grain boundaries restructuring. Materials Letters, 2012, 75, 1-3.	2.6	42
17	Tailoring magnetostriction sign of ferromagnetic composite by increasing magnetic field strength. Applied Physics Letters, 2016, 109, .	3.3	38
18	Effects of Cu nanopowders addition on magnetic properties and corrosion resistance of sintered Ndâ€“Feâ€“B magnets. Physica B: Condensed Matter, 2008, 403, 4182-4185.	2.7	37

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19	The evolution of microstructure and magnetic properties of Feâ€“Siâ€“Al powders prepared through melt-spinning. Scripta Materialia, 2008, 58, 243-246.	5.2	37
20	Coercivity enhancement of Ndâ€“Feâ€“B sintered magnets with intergranular adding (Pr, Dy, Cu)â^'Hx powders. Journal of Magnetism and Magnetic Materials, 2016, 399, 159-163.	2.3	37
21	Formation mechanism of tetragonal nanoprecipitates in Feâ€“Ga alloys that dominate the material's large magnetostriction. Scripta Materialia, 2020, 185, 129-133.	5.2	37
22	The Co-doped Tb0.36Dy0.64Fe2 magnetostrictive alloys with a wide operating temperature range. Journal of Magnetism and Magnetic Materials, 2005, 292, 317-324.	2.3	34
23	Changes of microstructure and magnetic properties of Ndâ€“Feâ€“B sintered magnets by doping Alâ€“Cu. Journal of Magnetism and Magnetic Materials, 2011, 323, 2549-2553.	2.3	34
24	Identifications of SmCo5 and Sm+1Co5â^'1-type phases in 2:17-type Sm-Co-Fe-Cu-Zr permanent magnets. Scripta Materialia, 2020, 182, 1-5.	5.2	34
25	Large and sensitive magnetostriction in ferromagnetic composites with nanodispersive precipitates. NPG Asia Materials, 2021, 13, .	7.9	34
26	Effect of post-sintering annealing on microstructure and coercivity of Al85Cu15-added Ndâ€“Feâ€“B sintered magnets. Journal of Magnetism and Magnetic Materials, 2010, 322, 3710-3713.	2.3	33
27	Coercivity enhancements of Ndâ€“Feâ€“B sintered magnets by diffusing DyH_xalong different axes. Journal Physics D: Applied Physics, 2015, 48, 215001.	2.8	33
28	Mechanical Properties of Laâ€“Ce-Substituted Ndâ€“Feâ€“B Magnets. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	33
29	Role of nanoscale interfacial defects on magnetic properties of the 2:17-type Smâ€“Co permanent magnets. Journal of Alloys and Compounds, 2020, 816, 152620.	5.5	33
30	Phosphorescent Bismoviologens for Electrophosphorochromism and Visible Light-Induced Cross-Dehydrogenative Coupling. Journal of the American Chemical Society, 2021, 143, 1590-1597.	13.7	33
31	Local rhombohedral symmetry in Tb0.3Dy0.7Fe2 near the morphotropic phase boundary. Applied Physics Letters, 2014, 105, .	3.3	32
32	Effects of Dy71.5Fe28.5 intergranular addition on the microstructure and the corrosion resistance of Ndâ€“Feâ€“B sintered magnets. Journal of Magnetism and Magnetic Materials, 2015, 384, 133-137.	2.3	31
33	Magnetostriction in âŸ¨110âŸ© and âŸ¨112âŸ© oriented crystals Tb0.36Dy0.64(Fe0.85Co0.15)2. Applied Physics Letters, 2005, 86, 162505.	3.3	30
34	Magnetic force microscopy study of heat-treated Fe81Ga19 with different cooling rates. Physica B: Condensed Matter, 2010, 405, 3129-3134.	2.7	29
35	Role of hydrogen in Ndâ€“Feâ€“B sintered magnets with DyH addition. Journal of Alloys and Compounds, 2015, 628, 282-286.	5.5	29
36	Dynamic precipitation and the resultant magnetostriction enhancement in [001]-oriented Fe-Ga alloys. Acta Materialia, 2021, 206, 116631.	7.9	29

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37	Structural origin for the local strong anisotropy in melt-spun Fe-Ga-Tb: Tetragonal nanoparticles. Applied Physics Letters, 2015, 106, .	3.3	28
38	Effects of alignment on the magnetic and mechanical properties of sintered Ndâ€“Feâ€“B magnets. Journal of Alloys and Compounds, 2013, 563, 161-164.	5.5	27
39	Coercivity enhancement of Dy-free Ndâ€“Feâ€“B sintered magnets by intergranular adding Ho63.4Fe36.6 alloy. Journal of Magnetism and Magnetic Materials, 2016, 397, 139-144.	2.3	25
40	Balancing the microstructure and chemical heterogeneity of multi-main-phase Nd-Ce-La-Fe-B sintered magnets by tailoring the liquid-phase-sintering. Materials and Design, 2020, 186, 108308.	7.0	25
41	Role of primary Zr-rich particles on microstructure and magnetic properties of 2:17-type Sm-Co-Fe-Cu-Zr permanent magnets. Journal of Materials Science and Technology, 2020, 53, 73-81.	10.7	25
42	High temperature oxidation resistance of hot-pressed h-BN/ZrO2 composites. Ceramics International, 2014, 40, 11171-11176.	4.8	24
43	Two-dimensional Monte Carlo simulations of structures of a suspension comprised of magnetic and nonmagnetic particles in uniform magnetic fields. Journal of Magnetism and Magnetic Materials, 2009, 321, 1221-1226.	2.3	23
44	Glass forming ability, magnetic and mechanical properties of (Fe72Mo4B24)100â^'xDyx (x=4â€“7) bulk metallic glasses. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 528, 161-164.	5.6	23
45	Defects-aggregated cell boundaries induced domain wall curvature change in Fe-rich Smâ€“Coâ€“Feâ€“Cuâ€“Zr permanent magnets. Journal of Materials Science, 2020, 55, 13258-13269.	3.7	23
46	Crucial role of the REFe2 intergranular phase on corrosion resistance of Nd-La-Ce-Fe-B sintered magnets. Journal of Alloys and Compounds, 2018, 735, 2225-2235.	5.5	21
47	Differential magnetostrictive response in magnetically annealed Tb0.36Dy0.64(Fe0.85Co0.15)2 with âŸ¨110âŸ© crystal orientation. Applied Physics Letters, 2007, 90, 102502.	3.3	20
48	Microstructure and magnetic properties of nanocrystalline Co-doped Sendust alloys prepared by melt spinning. Journal of Alloys and Compounds, 2008, 459, 447-451.	5.5	19
49	Preparation of coatings with high adhesion strength and high corrosion resistance on sintered Ndâ€“Feâ€“B magnets through electroless plating. Materials Chemistry and Physics, 2009, 113, 764-767.	4.0	19
50	Effect of SiO2 nanopowders on magnetic properties and corrosion resistance of sintered Ndâ€“Feâ€“B magnets. Journal of Magnetism and Magnetic Materials, 2009, 321, 392-395.	2.3	18
51	Improvement of corrosion resistance of Cu and Nb co-added Ndâ€“Feâ€“B sintered magnets. Materials Chemistry and Physics, 2014, 147, 982-986.	4.0	18
52	Room temperature ferromagnetism of amorphous MgO films prepared by pulsed laser deposition. Applied Physics A: Materials Science and Processing, 2014, 115, 997-1001.	2.3	18
53	Magnetic properties and microstructure of sintered Nd Fe B magnets with intergranular addition of Ni powders. Journal of Alloys and Compounds, 2017, 726, 846-851.	5.5	18
54	A lightweight strain glass alloy showing nearly temperature-independent low modulus and high strength. Nature Materials, 2022, 21, 1003-1007.	27.5	18

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55	Effects of NH4F on the deposition rate and buffering capability of electroless Niâ€“P plating solution. Surface and Coatings Technology, 2007, 202, 217-221.	4.8	17
56	Effect of magnetic annealing on magnetostrictive performance of a ã€˜110ã€‰ oriented crystal Tb0.3Dy0.7Fe1.95. Journal of Magnetism and Magnetic Materials, 2010, 322, 1889-1893.	2.3	17
57	Improved corrosion resistance of low rare-earth Ndâ€“Feâ€“B sintered magnets by Nd6Co13Cu grain boundary restructuring. Journal of Magnetism and Magnetic Materials, 2015, 379, 186-191.	2.3	17
58	Enhanced magnetostriction of Fe81Ga19 by approaching an instable phase boundary. Scripta Materialia, 2018, 146, 200-203.	5.2	17
59	Achieving excellent superelasticity and extraordinary elastocaloric effect in a directionally solidified Co-V-Ga alloy. Scripta Materialia, 2021, 204, 114123.	5.2	17
60	Effect of heat treatment on structure, magnetization and magnetostriction of Fe81Ga19 melt-spun ribbons. Physica B: Condensed Matter, 2009, 404, 4155-4158.	2.7	16
61	Magnetic performance change of multi-main-phase Ndâ€“Ceâ€“Feâ€“B magnets by diffusing (Nd,) Tj ETQq1 1 0.784314 rgBT /Overlo	2.8	16
62	Magnetic properties, thermal stability, and microstructure of spark plasma sintered multi-main-phase Nd-Ce-Fe-B magnet with PrCu addition. Journal of Alloys and Compounds, 2020, 822, 153612.	5.5	16
63	Grain boundary effect on the microstructure of solution-treated Fe-rich Sm-Co-Fe-Cu-Zr alloys. Journal of Alloys and Compounds, 2021, 853, 156974.	5.5	16
64	Design and fabrication of sintered Nd-Fe-B magnets with a low temperature coefficient of intrinsic coercivity. Science of Sintering, 2009, 41, 91-99.	1.4	16
65	Synthesis, thermal stability and properties of [(Fe1â^'xCox)72Mo4B24]94Dy6 bulk metallic glasses. Journal of Alloys and Compounds, 2011, 509, 3843-3846.	5.5	15
66	Effects of Yb3+ on the corrosion resistance and deposition rate of electroless Niâ€“P deposits. Applied Surface Science, 2008, 255, 2176-2179.	6.1	14
67	Microstructures of Niâ€“ZrO2 functionally graded materials fabricated via slip casting under gradient magnetic fields. Journal of Alloys and Compounds, 2009, 479, 750-754.	5.5	14
68	Magnetic force microscopy study of magnetically annealed Tb0.36Dy0.64(Fe0.85Co0.15)2 polycrystals. Journal of Applied Physics, 2010, 107, 09A934.	2.5	14
69	Rapidly solidified Nd7Fe67B22Mo3Zr1 nanocomposite permanent magnets. Journal of Magnetism and Magnetic Materials, 2014, 355, 164-168.	2.3	14
70	Evidence for lattice softening of the Fe-Ga magnetostrictive alloy: Stress-induced local martensites. Materials and Design, 2018, 140, 1-6.	7.0	14
71	Stress influences on magnetization and magnetostriction in magnetically annealed Tb0.36Dy0.64(Fe0.85Co0.15)2 polycrystals. Journal of Applied Physics, 2009, 105, .	2.5	13
72	Corrosion behavior of Al100â^'xCux (15â‰¤xâ‰¤45) doped Ndâ€“Feâ€“B magnets. Materials Chemistry and Physics, 2011, 126, 195-199.	4.0	13

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73	Magnetostriction of ã€˜110ã€‰ oriented crystals in Tb0.36Dy0.64(Fe1â^'xCox)2 (x = 0â€“0.30) alloys. Journal of Alloys and Compounds, 2005, 388, 34-40.	5.5	12
74	Corrosion resistance of Ndâ€“Feâ€“B sintered magnets with intergranular addition of Cu60Zn40 powders. Physica B: Condensed Matter, 2010, 405, 3303-3307.	2.7	12
75	Internal structure evolution of L12 variants in aged Fe-Ga alloys. Journal of Alloys and Compounds, 2020, 836, 155282.	5.5	12
76	Fe content influence on the microstructure of solution-treated Sm-Co-Fe-Cu-Zr alloys. Intermetallics, 2021, 129, 107049.	3.9	12
77	Anomalous phase transformation in magnetostrictive Fe81Ga19 alloy. Journal of Magnetism and Magnetic Materials, 2010, 322, 2882-2887.	2.3	11
78	High coercivity (Nd8Y3)â€“(Fe62Nb3Cr1)â€“B23 magnets produced by injection casting. Journal of Materials Science, 2013, 48, 1779-1786.	3.7	11
79	Influence of Ta intergranular addition on microstructure and corrosion resistance of Ndâ€“Dyâ€“Feâ€“B sintered magnets. Journal of Alloys and Compounds, 2014, 593, 137-140.	5.5	11
80	Computational analysis of microstructure-coercivity relation in multi-main-phase Ndâ€“Ceâ€“Feâ€“B magnets. Journal Physics D: Applied Physics, 2019, 52, 135002.	2.8	11
81	Squareness factors of demagnetization curves for multi-main-phase Nd-Ce-Fe-B magnets with different Ce contents. Journal of Magnetism and Magnetic Materials, 2019, 487, 165355.	2.3	11
82	Microstructure evolution of Dy69Ni31-added Nd-Fe-B sintered magnets during annealing. Journal of Magnetism and Magnetic Materials, 2019, 486, 165260.	2.3	11
83	Enhanced magnetic properties in chemically inhomogeneous Nd-Dy-Fe-B sintered magnets by multi-main-phase process. Journal of Rare Earths, 2021, 39, 558-564.	4.8	11
84	Shortened processing duration of high-performance Sm-Co-Fe-Cu-Zr magnets by stress-aging. Journal of Materials Science and Technology, 2022, 106, 70-76.	10.7	11
85	Fe65B22Nd9Mo4 bulk nanocomposite permanent magnets produced by crystallizing amorphous precursors. Journal of Magnetism and Magnetic Materials, 2012, 324, 1613-1616.	2.3	10
86	Coercivity enhancement of low rare earth Ndâ€“Feâ€“B sintered magnets by optimizing microstructure. Journal of Magnetism and Magnetic Materials, 2015, 382, 26-30.	2.3	10
87	Cell-boundary-structure controlled magnetic-domain-wall-pinning in 2:17-type Sm-Co-Fe-Cu-Zr permanent magnets. Materials Characterization, 2020, 169, 110575.	4.4	10
88	Promoting the La solution in 2:14:1-type compound: Resultant chemical deviation and microstructural nanoheterogeneity. Journal of Materials Science and Technology, 2021, 62, 195-202.	10.7	10
89	Magnetostriction of Tb0.36Dy0.64(Fe1â^'xCox)2 (x=0â€“0.20) ã€˜112ã€‰-oriented crystals. Journal of Alloys and Compounds, 2006, 414, 276-281.	5.5	9
90	Low temperature pulsed laser deposition of textured Î³â€²-Fe4N films on Si (100). Journal of Alloys and Compounds, 2011, 509, 5075-5078.	5.5	9

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91	Induced additional anisotropy influences on magnetostriction of giant magnetostrictive materials. Journal of Applied Physics, 2012, 112, .	2.5	9
92	Synthesis, structural and magnetic properties of the nanocomposite Fe63B23Nd7Y3Nb3Cr1 magnets. Journal of Magnetism and Magnetic Materials, 2012, 324, 1534-1538.	2.3	9
93	Suppression of martensitic transformation in Fe50Mn23Ga27 by local symmetry breaking. Applied Physics Letters, 2015, 106, .	3.3	9
94	Enhanced thermal stability of piezoelectricity in lead-free (Ba,Ca)(Ti,Zr)O3 systems through tailoring phase transition behavior. Ceramics International, 2019, 45, 10304-10309.	4.8	9
95	Correlation between microstructural heterogeneity and energy product in hot deformed Nd-Fe-B magnets. Journal of Magnetism and Magnetic Materials, 2020, 508, 166847.	2.3	9
96	Exceptional combination of large magnetostriction, low hysteresis and wide working temperature range in (1-x)TbFe2-xDyCo2 alloys. Acta Materialia, 2021, 220, 117308.	7.9	9
97	Enhancing reversible entropy change of all-d-metal Ni37.5Co12.5Mn35Ti15 alloy by multiple external fields. Scripta Materialia, 2022, 207, 114303.	5.2	9
98	Ferromagnetic composite with stress-insensitive magnetic permeability: Compensation of stress-induced anisotropies. Physical Review Materials, 2018, 2, .	2.4	9
99	Improved magnetostriction in cold-rolled and annealed Mn50Fe50 alloy. Scripta Materialia, 2009, 61, 427-430.	5.2	8
100	Two-dimensional Monte Carlo simulations of a suspension comprised of magnetic and nonmagnetic particles in gradient magnetic fields. Journal of Magnetism and Magnetic Materials, 2009, 321, 3250-3255.	2.3	8
101	Magnetic and anticorrosion properties of two-powder (Pr, Nd)12.6Fe81.3B6.1-type sintered magnets with additions of (Pr, Nd)32.5Fe62.0Cu5.5. Materials Chemistry and Physics, 2015, 151, 126-132.	4.0	8
102	Effect of Dy₂O₃ intergranular addition on microstructure and magnetic properties of (Nd, Dy)â€“Feâ€“B sintered magnets. Materials Express, 2016, 6, 93-99.	0.5	8
103	Microstructural origin of the magnetostriction deterioration in slowly cooled Fe81Ga19. Journal of Alloys and Compounds, 2019, 786, 300-305.	5.5	8
104	Nd-Fe-B sintered magnets with low rare earth content fabricated via Dy71.5Fe28.5 grain boundary restructuring. Journal of Magnetism and Magnetic Materials, 2020, 498, 166162.	2.3	8
105	Improved magnetostriction in Galfenol alloys by aligning crystal growth direction along easy magnetization axis. Scientific Reports, 2020, 10, 20055.	3.3	8
106	Revisiting the pinning sites in 2:17-type Sm-Co-Fe-Cu-Zr permanent magnets. Journal of Rare Earths, 2021, 39, 1560-1566.	4.8	8
107	Sign-changed magnetostriction effect of morphotropic phase boundary in pseudobinary <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>DyC</mml:mi><mml:msub><mml:mi mathvariant="normal">o</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mtext>â”</mml:mtext><mml:mi>DyF</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> Laves compounds. Physical Review Materials, 2019, 3, .	2.4	8
108	On the ÎµÂâ†’ÂÏ„ phase transformation and twinning in L10â^'MnAl alloys. Acta Materialia, 2022, 232, 117892.	7.9	8

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109	Magnetomechanical damping capacity of Tb0.36Dy0.64(Fe1â^'xTx)2 (T=Co,Mn) alloys. Journal of Applied Physics, 2006, 100, 023901.	2.5	7
110	Antiferromagnetic Mn50Fe50 wire with large magnetostriction. Journal of Magnetism and Magnetic Materials, 2009, 321, 3778-3781.	2.3	7
111	The magnetic, structure and mechanical properties of rapidly solidified (Nd7Y2.5)â€"(Fe64.5Nb3)â€"B23 nanocomposite permanent magnet. Journal of Alloys and Compounds, 2011, 509, 8952-8957.	5.5	7
112	Correlation between magnetostriction and magnetic structure in pseudobinary compounds Tb(Co1-xFex)2. AIP Advances, 2017, 7, .	1.3	7
113	Martensitic transformation in ordering-treated Fe74Ga26 alloy. Journal of Alloys and Compounds, 2018, 767, 270-275.	5.5	7
114	Anisotropic magnetostriction in a âŸ¨110âŸ© oriented crystal Tb0.36Dy0.64(Fe0.85Co0.15)2 after coaxial field annealing. Journal of Applied Physics, 2010, 108, 043908.	2.5	6
115	Domain Rotation Simulation of the Magnetostriction Jump Effect of (110) Oriented TbDyFe Crystals. Chinese Physics Letters, 2012, 29, 027501.	3.3	6
116	Structure and magnetic properties of Î³â€²-Fe4N films grown on MgO-buffered Si (001). Physica B: Condensed Matter, 2012, 407, 4783-4786.	2.7	6
117	Effect of the induced anisotropy axis on altering domain alignment and magnetostriction of Terfenol-D. Applied Physics Letters, 2014, 104, 052409.	3.3	6
118	Nanoscale Phase Separation and Large Refrigerant Capacity in Magnetocaloric Material LaFe_{11.5}Si_{1.5}. Chemistry of Materials, 2021, 33, 2837-2846.	6.7	6
119	Co substitution effect on magnetic properties of magnetostrictive compounds Tb0.36Dy0.64(Fe1â^'xCox)2 (0â©½xâ©½0.30). Physica B: Condensed Matter, 2008, 403, 3677-3681.	2.7	5
120	A kind of wide operating temperature range giant magnetostrictive alloys. Journal of Alloys and Compounds, 2008, 449, 156-160.	5.5	5
121	Nd5Fe64B23Mo4Y4 bulk nanocomposite permanent magnets produced by crystallizing amorphous precursors. Journal of Non-Crystalline Solids, 2012, 358, 1028-1031.	3.1	5
122	Strengthened caloric effect in MnCoSi under combined applications of magnetic field and hydrostatic pressure. Journal of Materials Science, 2021, 56, 20060-20070.	3.7	5
123	Structure, magnetostrictive, and magnetic properties of heat-treated Mn42Fe58 alloys. Journal of Alloys and Compounds, 2009, 485, 510-513.	5.5	4
124	Domain rotation simulation of anisotropic magnetostrictions in giant magnetostrictive materials. Journal of Applied Physics, 2011, 110, 063901.	2.5	4
125	Tailoring volume magnetostriction of giant magnetostrictive materials by engineering magnetic domain morphology. Applied Physics Letters, 2017, 110, 062403.	3.3	4
126	Magnetostriction enhancement in ferromagnetic strain glass by approaching the crossover of martensite. Applied Physics Letters, 2020, 116, .	3.3	4

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127	Understanding of the giant magnetic entropy change around the co-occurrence point of martensitic and magnetic transitions in Ni-Mn-In Heusler alloy. Acta Materialia, 2022, 229, 117839.	7.9	4
128	Effects of pre-aging on defects evolution and magnetic properties of Sm-Co-Fe-Cu-Zr magnets. Journal of Rare Earths, 2022, 40, 1878-1884.	4.8	4
129	Enhanced Young's moduli and damping capacity in magnetically annealed Tb_{0.36}Dy_{0.64}(Fe_{0.85}Co_{0.15})₂polycrystals. Journal Physics D: Applied Physics, 2009, 42, 125004.	2.8	3
130	Magnetostriction of a ã€˜110ã€‰ oriented Tb0.3Dy0.7Fe1.95 polycrystals annealed under a noncoaxial magnetic field. Journal of Materials Research, 2011, 26, 31-35.	2.6	3
131	Magnetostriction â€œdropâ€•in ã€˜110ã€‰ oriented polycrystals Tb0.36Dy0.64(Fe0.85Co0.15)2 after transverse field annealing. Journal of Applied Physics, 2011, 109, 07A937.	2.5	3
132	Novel hydrogen decrepitation behaviors of (La, Ce)-Fe-B strips. AIP Advances, 2018, 8, 056233.	1.3	3
133	Temperature invariable magnetization in Co-Al-Fe alloys by a martensitic transformation. Applied Physics Letters, 2018, 113, 172402.	3.3	3
134	Strain control of phase transition and magnetocaloric effect in Nd0.5Sr0.5MnO3 thin films. Applied Physics Letters, 2020, 116, .	3.3	3
135	Structure and magnetic properties of magnetostrictive compounds Tb0.36Dy0.64(Fe0.85Co0.15)2â^'xBx (0â©½xâ©½0.15). Journal of Magnetism and Magnetic Materials, 2008, 320, 2368-2372.	2.3	2
136	Electroless Ni-Co-P Coatings on Sintered Nd-Fe-B Magnets with Improved Corrosion Resistance. Advanced Materials Research, 2009, 75, 53-56.	0.3	2
137	Fe₆₄B_{22.8}Nd_{6.6}Y_{3.9}Nb_{2.7} bulk nanocomposite magnets with improved size and magnetic properties. Journal of Materials Research, 2012, 27, 725-729.	2.6	2
138	Electric field control of magnetism through modulating phase separation in (011)-Nd0.5Sr0.5MnO3/PMN-PT heterostructures. Nanoscale, 2021, 13, 8030-8037.	5.6	2
139	Microscopic origin of the enhanced piezoelectric thermal stability in acceptor doped lead-free Ba(Ti0.8Zr0.2)O3-50(Ba0.7Ca0.3)TiO3 ceramic. Ceramics International, 2022, 48, 5274-5279.	4.8	2
140	Fabrication of low-cost Ndâ€“Feâ€“B sintered magnets reusing ultrafine powders. Materials Science and Technology, 2010, 26, 193-196.	1.6	1
141	Anomalous Magnetization Behavior of Fe-N Films Deposited by Reactive Pulsed Laser Deposition. IEEE Transactions on Magnetics, 2012, 48, 2899-2902.	2.1	1
142	Long term aging-induced microstructure and magnetic performance changes in Sm-Co-Fe-Cu-Zr magnets. Scientia Sinica: Physica, Mechanica Et Astronomica, 2021, 51, 067518.	0.4	1
143	Relation of Viscosity and Inner Structure of Suspension under Magnetic Field. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2008, 23, 836-840.	1.3	1
144	Tailoring the Impact Toughness of Sintered NdFeB Magnets via Surface Coating. Journal of Magnetics, 2018, 23, 79-85.	0.4	1

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145	Grain boundary segregation behavior in Fe-rich Sm-Co-Fe-Cu-Zr magnets. Materialia, 2022, 22, 101382.	2.7	1
146	Sensitive electric field control of first-order phase transition in epitaxial multiferroic heterostructures. Acta Materialia, 2022, 237, 118145.	7.9	1
147	Stressâ€“strain behaviors of ã€ˆ110ã€‰-oriented Tb_{0.3}Dy_{0.7}Fe_{1.95} after magnetic annealing. Journal of Materials Research, 2010, 25, 1371-1374.	2.6	0
148	Enhanced magnetostriction of a narrow hysteresis Tb0.26Dy0.54Ho0.20Fe2 alloy. Acta Metallurgica Sinica (English Letters), 2013, 26, 461-466.	2.9	0