

Hui Xu

List of Publications by Year in descending order

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papers

900
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#	ARTICLE	IF	CITATIONS
1	Effect of neodymium and yttrium addition on microstructure and DC soft magnetic property of dual-phase FeCoNi(CuAl) _{0.8} high-entropy alloy. <i>Journal of Rare Earths</i> , 2023, 41, 1562-1567.	2.5	3
2	Tailoring magnetic property and corrosion resistance of FeCoNiCuAl high-entropy alloy with Ce additive. <i>Journal of Alloys and Compounds</i> , 2022, 901, 163665.	2.8	14
3	The effects of Nb addition on magnetic property of Nd _{10.23} Pr _{2.56} Fe _{68.32} Co _{13.08} B _{5.81} ribbons through modification of the intergranular phase and grain refinement. <i>Materials Characterization</i> , 2022, 186, 111773.	1.9	3
4	Origin of magnetic field-induced magnetic anisotropy in amorphous CoFeB thin films. <i>AIP Advances</i> , 2022, 12, .	0.6	2
5	Enhanced magnetic properties of Ce ₁₇ Fe _{76.5} Co ₁ Zr _{0.5} B ₆ alloys by magnetic field heat treatment. <i>Journal of Rare Earths</i> , 2022, . .	2.5	0
6	Tuning AC magnetic properties of FeCoNi _{1+x} Cu _{1-x} Al (0 ≤ x ≤ 1.0) high-entropy alloys by adjusting Ni and Cu content. <i>Journal of Alloys and Compounds</i> , 2022, 922, 166174.	2.8	2
7	The improvement of magnetic property by grain refinement using magnetic field annealing crystalline (Nd _{0.8} Pr _{0.2}) ₂ Fe ₁₂ Co ₂ B ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 518, 167434.	1.0	2
8	The effects of magnetic field intensity on the magnetic properties of Fe ₈₀ Si ₉ B ₁₁ amorphous alloys during magnetic annealing. <i>Intermetallics</i> , 2021, 134, 107200.	1.8	8
9	Effect of Ho addition on AC soft magnetic property, microstructure and magnetic domain of FeCoNi(CuAl) _{0.8} Hox (x = 0 ≤ x ≤ 0.07) high-entropy alloys. <i>Intermetallics</i> , 2021, 135, 107216.	1.8	8
10	Study on a new high-entropy alloy Nd ₂₀ Pr ₂₀ La ₂₀ Fe ₂₀ Co ₁₀ Al ₁₀ with hard magnetic properties. <i>Journal of Alloys and Compounds</i> , 2021, 882, 160640.	2.8	11
11	Enhancing hard magnetic properties in Fe _{69.5} Nd ₇ B ₂₁ Nb _{2.5} Zr (x = 0 ≤ x ≤ 3) bulk magnets by magnetic field heat treatment. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 499, 166215.	1.0	2
12	Effect of grain boundary character distribution on soft magnetic property of face-centered cubic FeCoNiAl _{0.2} medium-entropy alloy. <i>Materials Characterization</i> , 2020, 159, 110028.	1.9	17
13	Correlation between microstructure and soft magnetic parameters of Fe-Co-Ni-Al medium-entropy alloys with FCC phase and BCC phase. <i>Intermetallics</i> , 2020, 126, 106898.	1.8	9
14	Tuning phase constitution and magnetic properties by composition in FeCoNiAlMn high-entropy alloys. <i>Journal of Alloys and Compounds</i> , 2020, 845, 156204.	2.8	21
15	The effects of magnetic field annealing on the magnetic properties and microstructure of Fe ₈₀ Si ₉ B ₁₁ amorphous alloys. <i>Intermetallics</i> , 2020, 118, 106689.	1.8	18
16	Magnetic properties enhancement by microstructure refinement for Ti doped $\hat{1}\pm$ -Fe/Nd ₂ Fe ₁₄ B alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 492, 165682.	1.0	7
17	Observation of large magnetocaloric effect in ternary Er-based Er ₄ CoCd compound. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 489, 165462.	1.0	13
18	Magnetic properties and microstructure of Fe _{69.5} Nd ₇ B ₂₁ Nb _{2.5} Ga (x = 0 ≤ x ≤ 1) alloys. <i>Journal of Rare Earths</i> , 2019, 37, 1072-1077.	2.5	1

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19	Compositional variation of amorphous phase controlled coercivity of Nd ₆₀ Fe ₃₀ Al ₁₀ alloy. Journal of Magnetism and Magnetic Materials, 2019, 482, 376-381.	1.0	4
20	Tailoring AC magnetic properties of FeCoNi(MnSi) (0 ≤ x ≤ 0.4) high-entropy alloys by the addition of Mn and Si elements. Journal of Alloys and Compounds, 2019, 792, 215-221.	2.8	32
21	Giant refrigerant capacity in equi-atomic HoErGdCuNi amorphous ribbons. Journal of Alloys and Compounds, 2019, 792, 180-184.	2.8	8
22	The AC Soft Magnetic Properties of FeCoNi _x CuAl (1.0 ≤ x ≤ 1.75) High-Entropy Alloys. Materials, 2019, 12, 4222.	1.3	13
23	Microstructure and magnetic properties of the FeCoNi(CuAl) _{0.8} Ga _{0.06} high-entropy alloy during the phase transition. Journal of Alloys and Compounds, 2019, 779, 293-300.	2.8	24
24	Study of the role of Ti doping on magnetic properties of some nanocomposite alloys of \hat{I}_{\pm} -Fe/Nd ₂ Fe ₁₄ B type. Journal of Magnetism and Magnetic Materials, 2019, 471, 457-463.	1.0	19
25	Correlation between the magnetic properties and phase constitution of FeCoNi(CuAl) _{0.8} Ga (0 ≤ x ≤ 1) Tj ETQq _{1,1} 0.784314 rgBT	2.8	55
26	Structure, glass-forming ability, magnetic and cryogenic magneto-caloric properties in the amorphous Ni ₃₀ Co ₁₀ RE ₆₀ (RE = Ho and Tm) ribbons. Journal of Materials Science, 2018, 53, 9816-9822.	1.7	27
27	Low field induced large magnetic entropy change in the amorphous Tm ₆₀ Co ₂₀ Ni ₂₀ ribbon. Journal of Alloys and Compounds, 2018, 733, 40-44.	2.8	57
28	The magnetic properties and domain structures of nanocrystalline Ce-Fe-B magnets with enhanced maximum energy products. International Journal of Modern Physics B, 2018, 32, 1850319.	1.0	3
29	Magnetic Properties and Microstructure of FeCoNi(CuAl) _{0.8} Sn _x (0 ≤ x ≤ 0.10) High-Entropy Alloys. Entropy, 2018, 20, 872.	1.1	21
30	Study on magnetic properties of (Nd _{0.8} Ce _{0.2}) ₂ × Fe ₁₂ Co ₂ B (x = 0 ≤ 0.6) alloys. Journal of Magnetism and Magnetic Materials, 2017, 437, 17-22.	1.0	14
31	The Effects of the Addition of Dy, Nb, and Ga on Microstructure and Magnetic Properties of Nd ₂ Fe ₁₄ B/ \hat{I}_{\pm} -Fe Nanocomposite Permanent Magnetic Alloys. Microscopy and Microanalysis, 2017, 23, 425-430.	0.2	6
32	An 8 K elastocaloric temperature change induced by 1.3% transformation strain in Ni ₄₄ Mn ₄₅ Sn ₁₁ Cu alloys. Scripta Materialia, 2017, 130, 278-282.	2.6	64
33	Determination of stress-coefficient of magnetoelastic anisotropy in flexible amorphous CoFeB film by anisotropic magnetoresistance. Applied Physics Letters, 2017, 111, .	1.5	19
34	Tunable magnetocaloric properties of Gd based alloys via Zn and Cd additions. Materials and Design, 2017, 134, 394-399.	3.3	1
35	The effects of phase constitution on magnetic and mechanical properties of FeCoNi(CuAl) (x = 0 ≤ 1.2) high-entropy alloys. Journal of Alloys and Compounds, 2017, 693, 1061-1067.	2.8	107
36	A Cost-Effective Approach to Optimizing Microstructure and Magnetic Properties in Ce ₁₇ Fe ₇₈ B ₆ Alloys. Materials, 2017, 10, 869.	1.3	16

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37	Coercivity Mechanism of (Nd _{0.8} Ce _{0.2}) ₂ Fe ₁₂ Co ₂ B Ribbons with Ferromagnetic Grain Boundary Phase. <i>Materials</i> , 2017, 10, 1062.	1.3	12
38	Formation of tree-like and vortex magnetic domains of nanocrystalline $\hat{\pm}$ -(Fe,Si) in La $\hat{\pm}$ -Fe $\hat{\pm}$ -Si ribbons during rapid solidification and subsequent annealing. <i>Journal of Alloys and Compounds</i> , 2016, 669, 205-209.	2.8	15
39	Study on magnetic properties of Ce ₁₇ Fe ₇₈ $\hat{\pm}$ x Zr _x B ₆ (x = 0 $\hat{\pm}$ 2.0) alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 401, 784-787.	1.0	42
40	Formation mechanisms of NaZn ₁₃ -type phase in giant magnetocaloric La $\hat{\pm}$ -Fe $\hat{\pm}$ -Si compounds during rapid solidification and annealing. <i>Journal of Alloys and Compounds</i> , 2015, 646, 503-511.	2.8	32
41	Nucleation mechanism of nano-sized NaZn ₁₃ -type and $\hat{\pm}$ -(Fe,Si) phases in La-Fe-Si alloys during rapid solidification. <i>Nanoscale Research Letters</i> , 2015, 10, 143.	3.1	14
42	<i>In Situ</i> Observation of Domain Wall Pinning in Sm(Co,Fe,Cu,Zr) Magnet by Lorentz Microscopy. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-4.	1.2	8
43	Formation of NaZn ₁₃ -type phase in LaFe _{11.5} Si _{1.5} alloy during solidification process. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1708, 75.	0.1	3
44	Effect of Ce doping on the magnetic and magnetocaloric properties of Pr _{0.5} Sr _{0.5} $\hat{\pm}$ x Ce $\hat{\pm}$ x MnO ₃ manganites. <i>Phase Transitions</i> , 2014, 87, 357-362.	0.6	0
45	Effect of cooling rate on the magnetic properties of Fe ₅₃ Nd ₃₇ Al ₁₀ alloy. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2013, 20, 440-444.	2.4	1
46	Study on Glass Forming Ability for the Nd _{60-x} Co _{15+x} Al ₂₅ Alloys. <i>Advanced Materials Research</i> , 2012, 583, 82-85.	0.3	0
47	Atom probe analysis of the bulk amorphous Nd ₅₈ Fe ₃₀ Al ₁₀ Dy ₂ ferromagnet. <i>Journal of Alloys and Compounds</i> , 2012, 536, 52-55.	2.8	2
48	Effect of B alloying on magnetocaloric effect of Gd ₅ . ₁ Si ₂ Ge ₂ alloy in low magnetic field. <i>Progress in Natural Science: Materials International</i> , 2011, 21, 413-417.	1.8	4
49	Effect of Small Amount of Zn Additions on the Magnetocaloric Properties of Gd ₅ Si ₂ Ge ₂ Alloy. <i>Materials Science Forum</i> , 2011, 685, 307-310.	0.3	1
50	Low Temperature Sintering of Ca _{0.6} La _{0.8/3} TiO ₃ -Li _{0.5} Nd _{0.5} TiO ₃ Ceramics with ZnO-B ₂ O ₃ -SiO ₂ Glass Addition. <i>Advanced Materials Research</i> , 2011, 335-336, 956-959.	0.3	1
51	EFFECTS OF V ₂ O ₅ ADDITION ON MICROWAVE DIELECTRIC PROPERTIES OF 16CaO-9Li ₂ O-12Sm ₂ O ₃ -63TiO ₂ CERAMICS. <i>International Journal of Modern Physics B</i> , 2009, 23, 1021-1027.	1.0	0
52	Low temperature firing of Ca $\hat{\pm}$ -Li ₂ O $\hat{\pm}$ -Sm ₂ O ₃ $\hat{\pm}$ -TiO ₂ ceramics with BaCu(B ₂ O ₅) addition. <i>Solid State Communications</i> , 2009, 149, 555-558.	0.9	17
53	Microstructure and magnetic property of Fe ₅₃ Nd ₃₇ Al ₁₀ alloy. <i>Journal of Alloys and Compounds</i> , 2009, 473, 11-14.	2.8	1
54	Synthesis and room-temperature ferromagnetic properties of single-crystalline Co-doped SnO ₂ nanocrystals via a high magnetic field. <i>Journal of Alloys and Compounds</i> , 2009, 481, 837-840.	2.8	24

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55	Low-temperature firing and microwave dielectric properties of $16\text{CaO}\cdot 9\text{Li}_2\text{O}\cdot 12\text{Sm}_2\text{O}_3\cdot 63\text{TiO}_2$ ceramics with V_2O_5 addition. <i>Journal of the European Ceramic Society</i> , 2008, 28, 3149-3153.	2.8	12
56	Effect of pulsed magnetic field treatment on the magnetic properties for nanocomposite $\text{Nd}_2\text{Fe}_{14}\text{B}/\text{Fe}$ alloys. <i>Journal of Alloys and Compounds</i> , 2008, 459, 41-44.	2.8	16
57	The structure and magnetic property for bulk $\text{Fe}\cdot\text{Zr}\cdot\text{Nd}\cdot\text{Y}\cdot\text{B}$ alloys. <i>Journal of Alloys and Compounds</i> , 2008, 452, 373-376.	2.8	6
58	Microstructural characteristics of $\text{Nd}_2\text{Fe}_{14}\text{B}/\text{Fe}$ nanocomposite ribbons bearing Nb element. <i>Rare Metals</i> , 2008, 27, 299-302.	3.6	8
59	$\text{Fe}\cdot\text{Zr}\cdot\text{Nd}\cdot\text{Y}\cdot\text{B}$ permanent magnet derived from crystallization of bulk amorphous alloy. <i>Applied Physics Letters</i> , 2007, 91, 252501.	1.5	33
60	Magnetic properties of the $\text{Fe}\cdot\text{Nd}\cdot\text{Al}$ alloys prepared by suction casting. <i>Journal of Materials Science</i> , 2007, 42, 8248-8250.	1.7	7
61	Effect of high magnetic field on the crystallization of $\text{Nd}_2\text{Fe}_{14}\text{B}/\text{Fe}$ nanocomposite magnets. <i>Rare Metals</i> , 2006, 25, 337-341.	3.6	7
62	Microstructural Evolution in $\text{Nd}_2\text{Fe}_{14}\text{B}/\text{Fe}$ Bearing Zr-Nb Nanocomposite Magnet. <i>Journal of Iron and Steel Research International</i> , 2006, 13, 183-186.	1.4	1
63	Structural and magnetic studies in $\text{Nd}_{60}\text{Fe}_{20}\text{Al}_{10}\text{Co}_{10}$ amorphous powder made by mechanical alloying. <i>Journal of Materials Science</i> , 2004, 39, 2231-2232.	1.7	0
64	The phase transition of syndiotactic polystyrene induced by electrostatic field. <i>Journal of Shanghai University</i> , 2002, 6, 176-180.	0.1	1
65	Molten Salt Synthesis of Anisotropy $\text{BaBi}_{4/3}\text{Ti}_{4/3}\text{O}_{15}$ Powders in $\text{K}_2\text{SO}_4\cdot\text{Na}_2\text{SO}_4$ Flux. <i>Materials Science Forum</i> , 0, 687, 333-338.	0.3	1
66	Effects of LiF on Sintering Temperature and Microwave Dielectric Properties of $(\text{Ca}_{0.3}\text{La}_{0.4/3})(\text{Li}_{0.25}\text{Nd}_{0.25})\text{TjO}_8$ Ceramics Doped by $\text{ZnO}\cdot\text{B}_2\text{O}_3\cdot\text{SiO}_2$. <i>Materials Science Forum</i> , 0, 675-677, 155-158.	0.3	0
67	The Magentocaloric Effect of $\text{Cd}_{5/2}\text{Si}_{2/3}\text{Ge}_{2/3}\text{Zn}_X$ Alloy. <i>Advanced Materials Research</i> , 0, 299-300, 525-529.	0.3	0