

Haishun Liu

List of Publications by Year in descending order

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citations

394421
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66
all docs

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docs citations

66
times ranked

794
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical properties and structural features of novel Fe-based bulk metallic glasses with unprecedented plasticity. Scientific Reports, 2014, 4, 6233.	3.3	118
2	Case study on microseismic effect of coal and gas outburst process. International Journal of Rock Mechanics and Minings Sciences, 2012, 53, 101-110.	5.8	75
3	Microseismic low-frequency precursor effect of bursting failure of coal and rock. Journal of Applied Geophysics, 2012, 79, 55-63.	2.1	67
4	A novel thermal-tuning Fe-based amorphous alloy for automatically recycled methylene blue degradation. Materials and Design, 2019, 161, 136-146.	7.0	51
5	Soft magnetic properties and microstructure of Fe ₈₄ Nb ₂ B ₁₄ Cu nanocrystalline alloys. Materials & Design, 2014, 56, 227-231.	5.1	47
6	Effects of Cu substitution for Fe on the glass-forming ability and soft magnetic properties for Fe-based bulk metallic glasses. Journal of Magnetism and Magnetic Materials, 2014, 358-359, 23-26.	2.3	45
7	Magnetic properties of (Fe _{1-x} Ni _x) ₇₂ B ₂₀ Si ₄ Nb ₄ (x=0.0~0.5) bulk metallic glasses. Journal of Magnetism and Magnetic Materials, 2013, 335, 172-176.	2.3	38
8	Enhanced glass forming ability of Fe-based amorphous alloys with minor Cu addition. Journal of Non-Crystalline Solids, 2015, 419, 65-68.	3.1	38
9	High Bs of FePBCu nanocrystalline alloys with excellent soft-magnetic properties. Journal of Non-Crystalline Solids, 2020, 530, 119800.	3.1	35
10	Atomic-scale structural evolution in selective laser melting of Cu ₅₀ Zr ₅₀ metallic glass. Computational Materials Science, 2018, 150, 62-69.	3.0	34
11	Effect of Co addition on the magnetic properties and microstructure of FeNbBCu nanocrystalline alloys. Journal of Magnetism and Magnetic Materials, 2016, 419, 198-201.	2.3	33
12	Extraordinary magnetocaloric effect of Fe-based bulk glassy rods by combining fluxing treatment and J-quenching technique. Journal of Alloys and Compounds, 2016, 684, 29-33.	5.5	31
13	Soft magnetic properties and microstructure of novel Nb poor Finemet type alloys. Materials Science and Technology, 2008, 24, 45-48.	1.6	30
14	Ductile Co-Nb-B bulk metallic glass with ultrahigh strength. Journal of Non-Crystalline Solids, 2014, 386, 121-123.	3.1	27
15	Enhancement of plasticity in Co-Nb-B ternary bulk metallic glasses with ultrahigh strength. Journal of Non-Crystalline Solids, 2012, 358, 3060-3064.	3.1	25
16	Effects of Cu substitution for Nb on magnetic properties of Fe-based bulk metallic glasses. Journal of Non-Crystalline Solids, 2016, 443, 108-111.	3.1	22
17	Thermal-pressure effects on energy state of metallic glass Cu ₅₀ Zr ₅₀ . Computational Materials Science, 2018, 155, 493-498.	3.0	22
18	Effects of Ni substitution for Fe on magnetic properties of Fe ₈₀ Ni ₁₃ C ₇ (x= 0~30) glassy ribbons. Journal of Non-Crystalline Solids, 2017, 463, 68-71.	3.1	21

#	ARTICLE	IF	CITATIONS
19	Brittle-to-ductile transition in monatomic Tantalum nanoporous metallic glass. Journal of Non-Crystalline Solids, 2019, 506, 6-13.	3.1	21
20	Crystallization in additive manufacturing of metallic glasses: A review. Additive Manufacturing, 2020, 36, 101568.	3.0	21
21	Non-repeatability of large plasticity for Fe-based bulk metallic glasses. Journal of Alloys and Compounds, 2016, 676, 209-214.	5.5	20
22	Fluxing induced boron alloying in Fe-based bulk metallic glasses. Materials and Design, 2017, 129, 63-68.	7.0	20
23	Atomic-level crystallization in selective laser melting fabricated Zr-based metallic glasses. Physical Chemistry Chemical Physics, 2019, 21, 12406-12413.	2.8	20
24	Effects of pressure on structure and mechanical property in monatomic metallic glass. Journal of Non-Crystalline Solids, 2017, 464, 1-4.	3.1	18
25	Nearly free electron model to glass-forming ability of multi-component metallic glasses. Journal of Non-Crystalline Solids, 2013, 361, 82-85.	3.1	17
26	Correlation of atomic packing with the boson peak in amorphous alloys. Journal of Applied Physics, 2014, 116, .	2.5	15
27	Thermal-pressure treatment for tuning the atomic structure of metallic glass Cu-Zr. Journal of Non-Crystalline Solids, 2020, 535, 119963.	3.1	15
28	Origin of abnormal glass transition behavior in metallic glasses. Intermetallics, 2014, 49, 52-56.	3.9	14
29	Oxygen-driven impurities scavenging before solidification of Fe-based metallic glasses. Journal of Alloys and Compounds, 2019, 773, 401-412.	5.5	13
30	Ductile Fe-based bulk metallic glasses at room temperature. Materials Science and Technology, 2018, 34, 751-756.	1.6	10
31	Low-Temperature Magnetic Properties and Magnetocaloric Effect of Fe ^{1-x} Zr ^x Cu Amorphous Alloys. Journal of Low Temperature Physics, 2020, 200, 51-61.	1.4	10
32	Atomic-level understanding of crystallization in the selective laser melting of Fe ₅₀ Ni ₅₀ amorphous alloy. Additive Manufacturing, 2020, 34, 101369.	3.0	10
33	Permeability spectra study of Fe _{73.5} Si _{13.5} B ₉ Cu ₁ Nb ₃ xAl _x (x=0, 0.1, 0.2, 0.4, 0.8 and 1.6). Journal of Alloys and Compounds, 2008, 466, 246-249.	5.5	9
34	Low Temperature Specific Heat of Amorphous Alloys. Journal of Low Temperature Physics, 2010, 160, 148-155.	1.4	9
35	Mechanical genesis of Henan (China) Yima thrust nappe structure. Journal of Central South University, 2014, 21, 2857-2865.	3.0	9
36	More accurate calculations of the magnetic entropy changes. Journal of Magnetism and Magnetic Materials, 2009, 321, 3221-3224.	2.3	8

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37	Electronic structure of Cu _{100-x} Zr _x (x=40,50,60) metallic glasses. Materials and Design, 2015, 82, 126-129.	7.0	8
38	Structural homology of the strength for metallic glasses. Journal of Materials Science and Technology, 2021, 81, 123-130.	10.7	8
39	Variation of permeability of Nb-poor Finemet under different field amplitudes. Journal of Magnetism and Magnetic Materials, 2008, 320, 1705-1711.	2.3	7
40	Theoretical analysis of magnetic sensor output voltage. Journal of Magnetism and Magnetic Materials, 2011, 323, 1667-1670.	2.3	7
41	Chiral metallic glass nanolattices with combined lower density and improved auxeticity. Physical Chemistry Chemical Physics, 2019, 21, 20588-20594.	2.8	7
42	Plastic Deformation Mechanism of Ductile Fe ₅₀ Ni ₃₀ P ₁₃ C ₇ Metallic Glass. Metals and Materials International, 2019, 25, 487-498.	3.4	6
43	Mechanism of low thermal conductivity for Fe ₇₆ Si ₁₃ B ₈ Nb ₂ Cu ₁ amorphous and nanocrystalline alloys at room temperature. Journal of Non-Crystalline Solids, 2022, 576, 121264.	3.1	6
44	Atomic-level understanding of weakening crystallization in additive manufactured ternary Fe-based metallic glasses with Ni addition. Journal of Non-Crystalline Solids, 2022, 582, 121435.	3.1	6
45	Effect of a preload force on anchor system frequency. International Journal of Mining Science and Technology, 2013, 23, 135-138.	10.3	5
46	Atomic-scale structural heterogeneity and elastic modulus for metallic glasses. Journal of Non-Crystalline Solids, 2015, 426, 137-140.	3.1	5
47	Effects of Annealing on the Specific Heat and Boson Peak for Fe ₅₀ Co ₅₀ B ₂₀ Si ₄ Nb ₄ Bulk Metallic Glass. Journal of Low Temperature Physics, 2015, 179, 343-349.	1.4	5
48	Fe-based bulk metallic glass with unprecedented plasticity at room temperature. Intermetallics, 2021, 139, 107377.	3.9	5
49	Determine optimal annealing temperature of Fe based nanocrystalline alloys from their melting point. Materials Science and Technology, 2012, 28, 1465-1469.	1.6	4
50	Variations of the permeability with annealing conditions for Fe-based nanocrystalline alloys. Materials & Design, 2012, 36, 428-431.	5.1	4
51	Effects of Crystallization on Boson Peak of Zr _{52.5} Cu _{17.9} Ni _{14.6} Al ₁₀ Ti ₅ Bulk Metallic Glass. Journal of Low Temperature Physics, 2015, 178, 11-17.	1.4	4
52	The effect of slit direction and distribution on mechanical properties of a monatomic Tantalum metallic glass. Journal of Non-Crystalline Solids, 2020, 529, 119770.	3.1	4
53	Tunable and attractive magnetic properties of FeBPSiCu alloys. Journal of Alloys and Compounds, 2021, 859, 157863.	5.5	4
54	Improvement of magnetic residual stress measurements based on Fourier transform. Materials Science and Technology, 2009, 25, 743-746.	1.6	2

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55	Variations of the Effective Magnetostriction with Annealing Conditions for Nanocrystalline Magnetic Alloys. Journal of Low Temperature Physics, 2011, 164, 272-278.	1.4	2
56	Effects of high Fe substitution for Mn on phase transition and magnetic properties of YFe _x Mn _{12-^x} compounds. Journal of Magnetism and Magnetic Materials, 2012, 324, 1230-1233.	2.3	2
57	Correlation between fractal dimension and strength of brittle bulk metallic glasses. Materials Science and Technology, 2014, 30, 447-450.	1.6	2
58	Effects of annealing condition and Al content on novel Fe _{73.5} Si _{13.5} B ₉ Cu ₁ Nb _{3-x} Al _x alloys. Rare Metals, 2008, 27, 545-549.	7.1	1
59	Investigation on the magnetic and magnetocaloric properties of PrNi ₂ . Wuli Xuebao/Acta Physica Sinica, 2014, 63, 227501.	0.5	1
60	Thermally tunable microring resonator for self-collimated beams in photonic crystals. , 2008, , .		0
61	Variation in Permeability of Nb-Poor Finemet Under Heating Annealing. Journal of Computational and Theoretical Nanoscience, 2008, 5, 1661-1664.	0.4	0
62	A Study on Step-Like Magnetization Curves in Tb ₃ Ga ₅ O ₁₂ at Low Temperature. Advanced Materials Research, 2011, 415-417, 1315-1318.	0.3	0
63	Effects of three relativity effects on K ₁ X-Ray. , 2011, , .		0
64	Electronic specific heats for amorphous and crystallized alloys. SpringerPlus, 2016, 5, 699.	1.2	0
65	Estimation of the glass-forming ability of metallic glasses with monolayer two-dimensional model. Computational Materials Science, 2020, 172, 109353.	3.0	0
66	Low-Frequency Dynamics and Its Correlation of Nanoscale Structures in Amorphous Solids. Journal of Low Temperature Physics, 2020, 198, 158-166.	1.4	0