

Chang Chuntao

List of Publications by Year in descending order

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32
papers

1,024
citations

471509

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434195

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docs citations

32
times ranked

550
citing authors

#	ARTICLE	IF	CITATIONS
1	Composition design of high B s Fe-based amorphous alloys with good amorphous-forming ability. Journal of Alloys and Compounds, 2016, 656, 729-734.	5.5	149
2	FeSiBP bulk metallic glasses with high magnetization and excellent magnetic softness. Journal of Magnetism and Magnetic Materials, 2008, 320, 2499-2503.	2.3	102
3	Soft magnetic Feâ€“Siâ€“Bâ€“Pâ€“C bulk metallic glasses without any glass-forming metal elements. Journal of Alloys and Compounds, 2009, 483, 616-619.	5.5	82
4	Fe content dependence of magnetic properties and bending ductility of FeSiBPC amorphous alloy ribbons. Journal of Alloys and Compounds, 2017, 694, 1260-1264.	5.5	77
5	Development of quaternary Fe-based bulk metallic glasses with high saturation magnetization above 1.6T. Journal of Non-Crystalline Solids, 2012, 358, 1443-1446.	3.1	67
6	Enhanced soft magnetic properties of Fe-based amorphous powder cores by longitude magnetic field annealing. Journal of Alloys and Compounds, 2017, 706, 1-6.	5.5	64
7	High B s Fe-based nanocrystalline alloy with high impurity tolerance. Journal of Materials Science, 2018, 53, 1437-1446.	3.7	49
8	Fabrication of FeSiBPNb amorphous powder cores with high DC-bias and excellent soft magnetic properties. Journal of Magnetism and Magnetic Materials, 2016, 401, 432-435.	2.3	48
9	Syntheses and corrosion behaviors of Fe-based amorphous soft magnetic alloys with high-saturation magnetization near 1.7 T. Journal of Materials Research, 2015, 30, 547-555.	2.6	46
10	Improvement of soft magnetic properties of FeSiBPNb amorphous powder cores by addition of FeSi powder. Journal of Alloys and Compounds, 2019, 788, 1177-1181.	5.5	33
11	Enhancement of glass-forming ability of FeSiBP bulk glassy alloys with good soft-magnetic properties and high corrosion resistance. Journal of Alloys and Compounds, 2012, 533, 67-70.	5.5	32
12	Development of FeSiBNbCu Nanocrystalline Soft Magnetic Alloys with High B s and Good Manufacturability. Journal of Electronic Materials, 2016, 45, 4913-4918.	2.2	31
13	Pronounced enhancement of glass-forming ability of Feâ€“Siâ€“Bâ€“P bulk metallic glass in oxygen atmosphere. Journal of Materials Research, 2014, 29, 1217-1222.	2.6	27
14	Investigation on surface morphology and crystalline phase deformation of Al80Li5Mg5Zn5Cu5 high-entropy alloy by ultra-precision cutting. Materials and Design, 2020, 186, 108367.	7.0	27
15	Synthesis of bulk glassy alloys in the (Fe,Co,Ni)â€“Bâ€“Siâ€“Nb system. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 449-451, 239-242.	5.6	24
16	Composition Effect on Intrinsic Plasticity or Brittleness in Metallic Glasses. Scientific Reports, 2014, 4, 5733.	3.3	23
17	Development of FeNiNbSiBP bulk metallic glassy alloys with excellent magnetic properties and high glass forming ability evaluated by different criterions. Intermetallics, 2016, 71, 1-6.	3.9	19
18	Development of soft magnetic amorphous alloys with distinctly high Fe content. Science China: Physics, Mechanics and Astronomy, 2017, 60, 1.	5.1	17

#	ARTICLE	IF	CITATIONS
19	Magnetocaloric effect of Fe-RE-B-Nb (RE = Tb, Ho or Tm) bulk metallic glasses with high glass-forming ability. Journal of Alloys and Compounds, 2015, 644, 346-349.	5.5	16
20	Preparation and characterization of quaternary magnetic Fe _{80-x} Co _x P ₁₄ B ₆ bulk metallic glasses. Journal of Applied Physics, 2014, 115, .	2.5	14
21	Soft magnetic properties of bulk FeCoMoPCBSi glassy core prepared by copper mold casting. Journal of Applied Physics, 2012, 111, 07A312.	2.5	13
22	Improvement of magnetic properties, microstructure and magnetic structure of Fe _{73.5} Cu ₁ Nb ₃ Si _{15.5} B ₇ nanocrystalline alloys by two-step annealing process. Journal of Materials Science: Materials in Electronics, 2016, 27, 3736-3741.	2.2	11
23	Improvement of magnetic properties for V-substituted Fe _{73.5} Si _{13.5} B ₉ Cu ₁ Nb ₃ ~xVx nanocrystalline alloys. Journal of Materials Science: Materials in Electronics, 2017, 28, 10555-10563.	2.2	9
24	FeNiSiBP glassy alloys with tunable and attractive magnetic performance. Journal of Non-Crystalline Solids, 2017, 471, 238-242.	3.1	8
25	Preparation and magnetic properties of (Co _{0.6} Fe _{0.3} Ni _{0.1}) ₇₀ ~x (B _{0.811} Si _{0.189}) _{25+x} Nb ₅ bulk glassy alloys. Journal of Materials Science: Materials in Electronics, 2015, 26, 7006-7012.	2.2	7
26	Fe ₇₈ Si ₉ B ₁₃ amorphous powder core with improved magnetic properties. Journal of Materials Science: Materials in Electronics, 2017, 28, 1180-1185.	2.2	7
27	The outstanding effect and mechanism of non-inert casting atmospheres on glass forming ability of P-containing Fe-based soft magnetic bulk metallic glasses. Journal of Alloys and Compounds, 2021, 866, 158991.	5.5	6
28	Preparation of Quasi-Ternary Fe-P-B Bulk Metallic Glass Using Industrial Raw Materials with the Help of Fluxing Technique. Advanced Engineering Materials, 2015, 17, 1045-1050.	3.5	5
29	The positive effect of non-inert casting atmospheres on the glass-forming ability of FeMoPCBSi bulk metallic glass. Journal of Alloys and Compounds, 2017, 702, 1-5.	5.5	5
30	Fabrication of FePBnCr Glassy Cores With Good Soft Magnetic Properties by Hot Pressing. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	3
31	Thermoplastic deformation of ferromagnetic CoFe-based bulk metallic glasses. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	3
32	Combined Effect of Stress and Magnetic Field on Domain in New Fe-Based Amorphous Alloys. , 2016, , .		0