

Chang Chuntao

List of Publications by Year in descending order

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32
papers

1,024
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471509

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	The outstanding effect and mechanism of non-inert casting atmospheres on glass forming ability of P-containing Fe-based soft magnetic bulk metallic glasses. <i>Journal of Alloys and Compounds</i> , 2021, 866, 158991.	5.5	6
2	Investigation on surface morphology and crystalline phase deformation of Al ₈₀ Li ₅ Mg ₅ Zn ₅ Cu ₅ high-entropy alloy by ultra-precision cutting. <i>Materials and Design</i> , 2020, 186, 108367.	7.0	27
3	Improvement of soft magnetic properties of FeSiBPn _b amorphous powder cores by addition of FeSi powder. <i>Journal of Alloys and Compounds</i> , 2019, 788, 1177-1181.	5.5	33
4	High B _s Fe-based nanocrystalline alloy with high impurity tolerance. <i>Journal of Materials Science</i> , 2018, 53, 1437-1446.	3.7	49
5	The positive effect of non-inert casting atmospheres on the glass-forming ability of FeMoPCBSi bulk metallic glass. <i>Journal of Alloys and Compounds</i> , 2017, 702, 1-5.	5.5	5
6	Enhanced soft magnetic properties of Fe-based amorphous powder cores by longitude magnetic field annealing. <i>Journal of Alloys and Compounds</i> , 2017, 706, 1-6.	5.5	64
7	FeNiSiBP glassy alloys with tunable and attractive magnetic performance. <i>Journal of Non-Crystalline Solids</i> , 2017, 471, 238-242.	3.1	8
8	Fe content dependence of magnetic properties and bending ductility of FeSiBPC amorphous alloy ribbons. <i>Journal of Alloys and Compounds</i> , 2017, 694, 1260-1264.	5.5	77
9	Improvement of magnetic properties for V-substituted Fe _{73.5} Si _{13.5} B ₉ Cu ₁ Nb ₃ xV _x nanocrystalline alloys. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 10555-10563.	2.2	9
10	Development of soft magnetic amorphous alloys with distinctly high Fe content. <i>Science China: Physics, Mechanics and Astronomy</i> , 2017, 60, 1.	5.1	17
11	Thermoplastic deformation of ferromagnetic CoFe-based bulk metallic glasses. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	2.3	3
12	Fe ₇₈ Si ₉ B ₁₃ amorphous powder core with improved magnetic properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 1180-1185.	2.2	7
13	Combined Effect of Stress and Magnetic Field on Domain in New Fe-Based Amorphous Alloys. , 2016, , .		0
14	Development of FeSiBNbCu Nanocrystalline Soft Magnetic Alloys with High B _s and Good Manufacturability. <i>Journal of Electronic Materials</i> , 2016, 45, 4913-4918.	2.2	31
15	Fabrication of FeSiBPn _b amorphous powder cores with high DC-bias and excellent soft magnetic properties. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 401, 432-435.	2.3	48
16	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. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 3736-3741.	2.2	11
17	Development of FeNiNbSiBP bulk metallic glassy alloys with excellent magnetic properties and high glass forming ability evaluated by different criterions. <i>Intermetallics</i> , 2016, 71, 1-6.	3.9	19
18	Composition design of high B _s Fe-based amorphous alloys with good amorphous-forming ability. <i>Journal of Alloys and Compounds</i> , 2016, 656, 729-734.	5.5	149

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19	Magnetocaloric effect of Fe-RE-B-Nb (RE = Tb, Ho or Tm) bulk metallic glasses with high glass-forming ability. <i>Journal of Alloys and Compounds</i> , 2015, 644, 346-349.	5.5	16
20	Syntheses and corrosion behaviors of Fe-based amorphous soft magnetic alloys with high-saturation magnetization near 1.7 T. <i>Journal of Materials Research</i> , 2015, 30, 547-555.	2.6	46
21	Fabrication of FePbNbCr Glassy Cores With Good Soft Magnetic Properties by Hot Pressing. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-4.	2.1	3
22	Preparation and magnetic properties of $(\text{Co}_{0.6}\text{Fe}_{0.3}\text{Ni}_{0.1})_{70-x}(\text{B}_{0.811}\text{Si}_{0.189})_{25+x}\text{Nb}_5$ bulk glassy alloys. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 7006-7012.	2.2	7
23	Preparation of Quasi-Ternary Fe-P-C Bulk Metallic Glass Using Industrial Raw Materials with the Help of Fluxing Technique. <i>Advanced Engineering Materials</i> , 2015, 17, 1045-1050.	3.5	5
24	Pronounced enhancement of glass-forming ability of Fe-Si-B-P bulk metallic glass in oxygen atmosphere. <i>Journal of Materials Research</i> , 2014, 29, 1217-1222.	2.6	27
25	Preparation and characterization of quaternary magnetic Fe _{80-x} Co _x P ₁₄ B ₆ bulk metallic glasses. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	14
26	Composition Effect on Intrinsic Plasticity or Brittleness in Metallic Glasses. <i>Scientific Reports</i> , 2014, 4, 5733.	3.3	23
27	Soft magnetic properties of bulk FeCoMoPCBSi glassy core prepared by copper mold casting. <i>Journal of Applied Physics</i> , 2012, 111, 07A312.	2.5	13
28	Enhancement of glass-forming ability of FeSiBP bulk glassy alloys with good soft-magnetic properties and high corrosion resistance. <i>Journal of Alloys and Compounds</i> , 2012, 533, 67-70.	5.5	32
29	Development of quaternary Fe-based bulk metallic glasses with high saturation magnetization above 1.6T. <i>Journal of Non-Crystalline Solids</i> , 2012, 358, 1443-1446.	3.1	67
30	Soft magnetic Fe-Si-B-P-C bulk metallic glasses without any glass-forming metal elements. <i>Journal of Alloys and Compounds</i> , 2009, 483, 616-619.	5.5	82
31	FeSiBP bulk metallic glasses with high magnetization and excellent magnetic softness. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, 2499-2503.	2.3	102
32	Synthesis of bulk glassy alloys in the (Fe,Co,Ni)-B-Si-Nb system. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 449-451, 239-242.	5.6	24