

Xidong Hui

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

463
citations

687363

13
h-index

713466

21
g-index

31
all docs

31
docs citations

31
times ranked

442
citing authors

#	ARTICLE	IF	CITATIONS
1	Degradation performance and mechanism toward methyl orange via nanoporous copper powders fabricated by dealloying of ZrCuNiAl metallic glassy precursors. <i>Nanotechnology</i> , 2022, 33, 135713.	2.6	3
2	Three-dimensional temperature and stress field simulation with all-hexahedral element mesh in a high efficiency cooling structure for the fabrication of amorphous ribbons. <i>Materials Research Express</i> , 2022, 9, 036101.	1.6	3
3	Enhanced dynamic deformability and strengthening effect via twinning and microbanding in high density NiCoFeCrMoW high-entropy alloys. <i>Journal of Materials Science and Technology</i> , 2022, 127, 164-176.	10.7	27
4	Tailoring the creep properties of second-generation Ni-based single crystal superalloys by composition optimization of Mo, W and Ti. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 799, 140163.	5.6	22
5	Novel Fe-C-B-P-Cu nanocrystalline alloys with superb magnetic properties and processability. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 530, 167915.	2.3	9
6	High strength NiMnFeCrAlCu multi-principal-element alloys with marine application perspective. <i>Scripta Materialia</i> , 2021, 202, 113992.	5.2	16
7	Improved glass forming ability and soft magnetic properties by minor Mo alloying in Fe-P-Ca-Si bulk metallic glasses. <i>Intermetallics</i> , 2021, 139, 107375.	3.9	3
8	Quantified Relation between Grain Boundary Angle and Interfacial Stability of PWA1484 Superalloy during Thermal Exposure. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020, 51, 380-389.	2.2	5
9	High temperature strengthening via nanoscale precipitation in wrought CoCrNi-based medium-entropy alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 798, 140213.	5.6	45
10	Ductile Ti-rich high-entropy alloy controlled by stress induced martensitic transformation and mechanical twinning. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 763, 138147.	5.6	29
11	High strength Mg-Zn-Y alloys reinforced synergistically by Nano-SiCp and long period stacking ordered structure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 765, 138284.	5.6	3
12	Formation and toughening of metastable phases in TiZrHfAlNb medium entropy alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 748, 441-452.	5.6	24
13	Superelastic effect in Ti-rich high entropy alloys via stress-induced martensitic transformation. <i>Scripta Materialia</i> , 2019, 162, 112-117.	5.2	39
14	Intrinsic correlation of the plasticity with liquid behavior of bulk metallic glass forming alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 744, 316-323.	5.6	11
15	Glass formation and soft magnetic properties of novel Fe-rich Fe-B-Ti-Zr bulk metallic glasses. <i>Journal of Alloys and Compounds</i> , 2018, 741, 542-548.	5.5	20
16	Two-step work-hardening and its gigantic toughening effect in Zr-based bulk metallic glasses. <i>Scripta Materialia</i> , 2018, 150, 106-109.	5.2	15
17	Super-High Strength Mg-7.5Al-0.8Zn Alloy Prepared by Rapidly Solidified Powder Metallurgy and Low Temperature Extrusion. <i>Advanced Engineering Materials</i> , 2018, 20, 1700712.	3.5	1
18	Composition-controlled active-passive transition and corrosion behavior of Fe-Cr(Mo)-Zr-B bulk amorphous steels. <i>Applied Surface Science</i> , 2018, 445, 496-504.	6.1	17

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19	Microstructure, Mechanical Properties, and Oxidation Behavior of Al _x Cr _{0.4} CuFe _{0.4} MnNi High Entropy Alloys. <i>Advanced Engineering Materials</i> , 2017, 19, 1600726.	3.5	42
20	Revealing the Microstates of Body-Centered-Cubic (BCC) Equiatomic High Entropy Alloys. <i>Journal of Phase Equilibria and Diffusion</i> , 2017, 38, 404-415.	1.4	21
21	Pronounced Plasticity Caused by Phase Separation and $\hat{\Gamma}^2$ -relaxation Synergistically in Zr-Cu-Al-Mo Bulk Metallic Glasses. <i>Scientific Reports</i> , 2017, 7, 1238.	3.3	29
22	Fe-B-Si-Zr bulk metallic glasses with ultrahigh compressive strength and excellent soft magnetic properties. <i>Materials Letters</i> , 2016, 181, 282-284.	2.6	25
23	Effects of Zr and Si on the Glass Forming Ability and Compressive Properties of Ti-Cu-Co-Sn Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015, 46, 2381-2389.	2.2	6
24	High Temperature Strengthening in 12Cr-W-Mo Steels by Controlling the Formation of Delta Ferrite. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014, 45, 4371-4385.	2.2	8
25	Confined fracture behavior of bulk metallic glass-coated tungsten composite wires produced by continuously coating process. <i>Journal of Alloys and Compounds</i> , 2013, 553, 14-18.	5.5	2
26	Study on corrosion behavior of continuous bulk metallic glass-coated steel wire composite. <i>Intermetallics</i> , 2011, 19, 1913-1918.	3.9	10
27	Magnetocaloric effect in Er-Al-Co bulk metallic glasses. <i>Science Bulletin</i> , 2011, 56, 3978-3983.	1.7	11
28	Ab initio molecular dynamics simulation of the atom packing and density of Al-Ni amorphous alloys. <i>Science China Technological Sciences</i> , 2010, 53, 3175-3182.	4.0	11
29	Effects of Cr addition on the glass-forming ability and the corrosion behaviors of FeCBSiP amorphous alloys. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 0, , .	1.5	3
30	The role of P content on the glass-forming ability and the magnetic properties of FeSiBPC amorphous alloys. <i>Journal of Materials Science: Materials in Electronics</i> , 0, , 1.	2.2	2
31	Study on the Temperature Field and Grain Structure of Large-Scale DZ466 Ni-Based Superalloy During Directional Solidification Process. <i>Jom</i> , 0, , 1.	1.9	1