

Zhi-Hong Zhong

List of Publications by Year in descending order

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papers

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24
times ranked

480
citing authors

#	ARTICLE	IF	CITATIONS
1	Tailoring strength and ductility of high-entropy CrMnFeCoNi alloy by adding Al. <i>Rare Metals</i> , 2022, 41, 1015-1021.	7.1	27
2	Microstructure and compression properties of a dual-phase FeCoCrMn high-entropy alloy. <i>Advanced Composites and Hybrid Materials</i> , 2022, 5, 1508-1515.	21.1	10
3	Effects of hydrogen charging and deformation on tensile properties of a multi-component alloy for nuclear applications. <i>Tungsten</i> , 2022, 4, 212-218.	4.8	7
4	Microstructure and mechanical properties of spark plasma diffusion-bonded 5A06Al joints with Al ₂₀ Cu ₅ Si ₂ Ni interlayer. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 114, 3627-3643.	3.0	0
5	Microstructure and mechanical properties of SiC ceramic joints vacuum brazed with in-situ formed SiC particulate reinforced Si ₂₄ Ti alloy. <i>Vacuum</i> , 2020, 173, 109160.	3.5	21
6	Microstructure Stability and Its Influence on the Mechanical Properties of CrMnFeCoNiAl _{0.25} High Entropy Alloy. <i>Metals and Materials International</i> , 2020, 26, 1192-1199.	3.4	22
7	Influence of Zn Content on Microstructures, Mechanical Properties and Stress Corrosion Behavior of AA5083 Aluminum Alloy. <i>Acta Metallurgica Sinica (English Letters)</i> , 2020, 33, 1369-1378.	2.9	8
8	Microstructure and mechanical properties of W/steel joints diffusion bonded with Nb and Nb/Ni interlayers by spark plasma sintering. <i>Journal of Adhesion Science and Technology</i> , 2020, 34, 2638-2651.	2.6	10
9	A multi-phase CrMnFeCoNiAl _{0.75} high-entropy alloy with high strength at intermediate temperature. <i>Intermetallics</i> , 2020, 120, 106744.	3.9	28
10	On the use of Ti Si eutectic alloy as a novel sintering aid for B ₄ C TiB ₂ SiC ceramic composites. <i>Ceramics International</i> , 2019, 45, 12393-12398.	4.8	15
11	The Microstructure and Shear Strength of SiC Joints Brazed with SiC Particle Reinforced Si-24Ti Alloy. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 678, 012050.	0.6	0
12	Beneficial effects of B ₄ C addition on the microstructure and mechanical properties of SiC ceramic joints diffusion bonded with Ti ₃ SiC ₂ . <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 742, 169-178.	5.6	7
13	Effect of adding of SiC particulate on the microstructure and shear strength of SiC ceramic joint brazed with Si-24Ti alloy. <i>Journal of Adhesion Science and Technology</i> , 2018, 32, 2041-2053.	2.6	8
14	Precipitation and its strengthening of Cu-rich phase in CrMnFeCoNiCu _x high-entropy alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 713, 134-140.	5.6	99
15	Micro-alloying effects of yttrium on the microstructure and strength of silicon carbide joint brazed with chromium-silicon eutectic alloy. <i>Journal of Alloys and Compounds</i> , 2018, 738, 354-362.	5.5	14
16	Interfacial microstructure evolution and mechanical properties of B ₄ C-based composite joints bonded with Ti foil. <i>Ceramics International</i> , 2018, 44, 18016-18024.	4.8	2
17	Microstructure and mechanical properties of SiC joint with an in-situ formed SiC-TiB ₂ composite interlayer. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 735, 104-113.	5.6	5
18	In-situ formation of fine-grained carbide composite interlayer during diffusion bonding of SiC ceramic. <i>Journal of Alloys and Compounds</i> , 2018, 763, 875-882.	5.5	10

#	ARTICLE	IF	CITATIONS
19	Tailoring the interfacial microstructure and mechanical strength of SiC ceramic joints using joining temperature and interlayer thickness. <i>Materials Characterization</i> , 2018, 142, 470-477.	4.4	6
20	A high-entropy V 35 Ti 35 Fe 15 Cr 10 Zr 5 alloy with excellent high-temperature strength. <i>Materials and Design</i> , 2017, 121, 229-236.	7.0	61
21	High toughness and electrical discharge machinable B4C-TiB2-SiC composites fabricated at low sintering temperature. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 701, 338-343.	5.6	34
22	Microstructural stability and mechanical properties of a newly developed Ni-Fe-base superalloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 622, 101-107.	5.6	50
23	Tensile Properties and Deformation Characteristics of a Ni-Fe-Base Superalloy for Steam Boiler Applications. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014, 45, 343-350.	2.2	30
24	Microstructure and mechanical properties of diffusion bonded joints between tungsten and F82H steel using a titanium interlayer. <i>Journal of Alloys and Compounds</i> , 2010, 489, 545-551.	5.5	83