

Li-Na Jia

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

556
citations

687363

13
h-index

642732

23
g-index

29
all docs

29
docs citations

29
times ranked

266
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructures and high-temperature oxidation behavior of directionally solidified Nb-Si-based alloys with Re additions. <i>Rare Metals</i> , 2023, 42, 273-280.	7.1	3
2	Effect of the Initial Texture, Recrystallization and Re-Dissolution Process on the Evolution of Texture during Solution Treatment of the 7A65 Hot Rolled Plate. <i>Metals</i> , 2022, 12, 8.	2.3	3
3	Effects of Ni content on microstructure and wear behavior of Al-13Si-3Cu-1Mg-xNi-0.6Fe-0.6Mn alloys. <i>Wear</i> , 2022, 500-501, 204365.	3.1	5
4	High-temperature oxidation behavior of Nb-Si-based alloy with separate vanadium, tantalum, tungsten and zirconium addition. <i>Rare Metals</i> , 2021, 40, 607-615.	7.1	13
5	Improvement of oxidation resistance of Nb-Ti-Si based alloys with additions of Al, Cr and B at different temperatures. <i>Progress in Natural Science: Materials International</i> , 2021, 31, 442-453.	4.4	20
6	Surface Remelting-Mediated Improvement in Oxidation Resistance of Cr ₂ Nb-Containing Nb-Si-Based Alloys at High Temperatures. <i>Advanced Engineering Materials</i> , 2019, 21, 1900425.	3.5	2
7	Quantitative Relationship Analysis of Mechanical Properties with Mg Content and Heat Treatment Parameters in Al-7Si Alloys Using Artificial Neural Network. <i>Materials</i> , 2019, 12, 718.	2.9	7
8	Effect of holding pressure on density and cooling rate of cast Al-Si alloy during additive pressure casting. <i>China Foundry</i> , 2019, 16, 363-370.	1.4	3
9	Effect of Holding Pressure on Microstructure and Mechanical Properties of A356 Aluminum Alloy. <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 483-491.	2.5	18
10	Microstructure and High-Temperature Oxidation Behavior of Dy-Doped Nb-Si-Based Alloys. <i>Acta Metallurgica Sinica (English Letters)</i> , 2018, 31, 742-752.	2.9	7
11	Energy Density Dependence of Bonding Characteristics of Selective Laser-Melted Nb-Si-Based Alloy on Titanium Substrate. <i>Acta Metallurgica Sinica (English Letters)</i> , 2018, 31, 477-486.	2.9	12
12	Microstructure and fracture toughness of Nb-Si based alloys with Ta and W additions. <i>Intermetallics</i> , 2018, 92, 1-6.	3.9	24
13	Microstructure and room temperature fracture toughness of Nb-Si-based alloys with Sr addition. <i>Rare Metals</i> , 2018, , 1.	7.1	3
14	Oxidation behavior of Nb-24Ti-18Si-2Al-2Hf-4Cr and Nb-24Ti-18Si-2Al-2Hf-8Cr hypereutectic alloys at 1250°C. <i>Rare Metals</i> , 2017, 36, 168-173.	7.1	11
15	Microstructure evolution of eutectic Nb-24Ti-15Si-4Cr-2Al-2Hf alloy processed by directional solidification. <i>Rare Metals</i> , 2017, 36, 472-477.	7.1	12
16	Artificial neural network application to study quantitative relationship between silicide and fracture toughness of Nb-Si alloys. <i>Materials and Design</i> , 2017, 129, 210-218.	7.0	49
17	Evolution of microstructure and mechanical properties of A356 aluminium alloy processed by hot spinning process. <i>China Foundry</i> , 2017, 14, 138-144.	1.4	9
18	Artificial neural network application to microstructure design of Nb-Si alloy to improve ultimate tensile strength. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 707, 452-458.	5.6	34

#	ARTICLE	IF	CITATIONS
19	Improvement in the oxidation resistance of Nb-Si based alloy by selective laser melting. Corrosion Science, 2017, 127, 260-269.	6.6	52
20	Simultaneous improvement in fracture toughness and oxidation resistance of Nb-Si based alloys by vanadium addition. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 701, 149-157.	5.6	42
21	Fracture Mode Transition in Nb-1Si Alloys Triggered by Annealing Heat Treatment. Advanced Engineering Materials, 2017, 19, 1700442.	3.5	7
22	Study of the fracture mechanism of NbSS/Nb5Si3 in situ composite: Based on a mechanical characterization of interfacial strength. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 663, 98-107.	5.6	41
23	Effects of minor Si on microstructures and room temperature fracture toughness of niobium solid solution alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 639, 114-121.	5.6	16
24	Microstructure Evolution in Nb-12Si-22Ti-14Cr-2Al2Hf Alloy Fabricated by Directional Solidification. High Temperature Materials and Processes, 2014, 33, 495-498.	1.4	4
25	Improvement in the oxidation resistance of Nb-Ti-Si-Cr-Al-Hf alloys containing alloyed Ge and B. Corrosion Science, 2014, 88, 460-465.	6.6	75
26	Microstructural Evolution and Mechanical Behaviors of an Nb-16Si-22Ti-2Al-2Hf Alloy with 2 and 17Åt.Åpct Cr Additions at Room and/or High Temperatures. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 4842-4850.	2.2	16
27	Eutectic formation during directional solidification: Effect of the withdrawal rate. Materials Letters, 2013, 92, 317-320.	2.6	12
28	Microstructure, Mechanical Properties and Oxidation Resistance of Nb-22Ti-14Si-2Hf-2Al-xCr Alloys. Chinese Journal of Aeronautics, 2012, 25, 292-296.	5.3	27
29	The microstructure optimizing of the Nb-14Si-22Ti-4Cr-2Al-2Hf alloy processed by directional solidification. Materials Letters, 2012, 84, 124-127.	2.6	29