

Shasha Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

138
citations

1478505

6
h-index

1281871

11
g-index

12
all docs

12
docs citations

12
times ranked

102
citing authors

#	ARTICLE	IF	CITATIONS
1	Self Healing of Creep Damage by Gold Precipitation in Iron Alloys. <i>Advanced Engineering Materials</i> , 2015, 17, 598-603.	3.5	35
2	Self healing of radiation-induced damage in Fe–Au and Fe–Cu alloys: Combining positron annihilation spectroscopy with TEM and ab initio calculations. <i>Journal of Alloys and Compounds</i> , 2020, 817, 152765.	5.5	20
3	A Review of Self-healing Metals: Fundamentals, Design Principles and Performance. <i>Acta Metallurgica Sinica (English Letters)</i> , 2020, 33, 1167-1179.	2.9	19
4	Ca-modified Al–Mg–Sc alloy with high strength at elevated temperatures due to a hierarchical microstructure. <i>Journal of Materials Science</i> , 2021, 56, 16145-16157.	3.7	15
5	Superior high temperature creep resistance of a cast Al–Mg–Ca–Sc alloy with multi-scale hierarchical microstructures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 850, 143533.	5.6	13
6	Correlation Between Heat-Treated Microstructure and Mechanical and Fretting Wear Behavior of Electron Beam Freeform-Fabricated Ti6Al4V Alloy. <i>Jom</i> , 2019, 71, 2313-2320.	1.9	10
7	Characterization and corrosion resistance study of the Fe–Cr films electrodeposited from trivalent chromium sulfate electrolyte. <i>Materials Research Express</i> , 2019, 6, 126430.	1.6	6
8	Fabrication and compressive properties of directional porous titanium scaffold by freeze casting TiH ₂ powders. <i>Journal of Alloys and Compounds</i> , 2022, 894, 162363.	5.5	6
9	Irradiation damage and mechanical properties in Fe–Au and Fe–Cu model alloys under helium ion irradiation. <i>Applied Surface Science</i> , 2020, 504, 144383.	6.1	5
10	Positron annihilation study of ageing precipitation in deformed Fe–Cu–B–N–C. <i>Philosophical Magazine</i> , 2013, 93, 4182-4197.	1.6	4
11	Mediation of high temperature radiation damage in bcc iron by Au or Cu precipitation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2020, 463, 69-75.	1.4	3
12	Dependence of Creep Properties on Aging Treatment in Al–Cu–Mg Alloy. <i>Advanced Engineering Materials</i> , 0, , 2101293.	3.5	2