

# Shasha Zhang

## List of Publications by Year in descending order

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12  
papers

138  
citations

1478505

6  
h-index

1281871

11  
g-index

12  
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12  
docs citations

12  
times ranked

102  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication and compressive properties of directional porous titanium scaffold by freeze casting TiH <sub>2</sub> powders. <i>Journal of Alloys and Compounds</i> , 2022, 894, 162363.	5.5	6
2	Superior high temperature creep resistance of a cast Al-Mg-Ca-Sc alloy with multi-scale hierarchical microstructures. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 850, 143533.	5.6	13
3	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
4	Mediation of high temperature radiation damage in bcc iron by Au or Cu precipitation. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2020, 463, 69-75.	1.4	3
5	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
6	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
7	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
8	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
9	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
10	Self Healing of Creep Damage by Gold Precipitation in Iron Alloys. <i>Advanced Engineering Materials</i> , 2015, 17, 598-603.	3.5	35
11	Positron annihilation study of ageing precipitation in deformed Fe-Cu-B-N-C. <i>Philosophical Magazine</i> , 2013, 93, 4182-4197.	1.6	4
12	Dependence of Creep Properties on Aging Treatment in Al-Cu-Mg Alloy. <i>Advanced Engineering Materials</i> , 0, , 2101293.	3.5	2