

Yulei Du

List of Publications by Year in descending order

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papers

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1163117

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14
docs citations

14
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516
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal stability of two-dimensional Ti ₂ C nanosheets. <i>Ceramics International</i> , 2015, 41, 2631-2635.	4.8	143
2	Catalytic effect of Ti ₂ C MXene on the dehydrogenation of MgH ₂ . <i>International Journal of Hydrogen Energy</i> , 2019, 44, 6787-6794.	7.1	62
3	Structural and Mechanical Characteristics of Cu ₅₀ Zr ₄₃ Al ₇ Bulk Metallic Glass Fabricated by Selective Laser Melting. <i>Materials</i> , 2019, 12, 775.	2.9	28
4	Hydrogen adsorption, dissociation and diffusion on two-dimensional Ti ₂ C monolayer. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 27214-27219.	7.1	27
5	Cracking mechanism and a novel strategy to eliminate cracks in TiAl alloy additively manufactured by selective laser melting. <i>Scripta Materialia</i> , 2021, 204, 114151.	5.2	19
6	Correlation of electronic structure and magnetic moment in Fe ₁₆ N ₂ : First-principles calculations. <i>Scripta Materialia</i> , 2013, 68, 976-979.	5.2	11
7	The influence of N content on structure, phase stability, elastic and electronic properties in Ti ₃ AlC ₂ N _x (x=0, 1, 2). <i>Physica Status Solidi (B): Basic Research</i> , 2017, 254, 1700009.		10
8	Size-Dependent Structural Properties of a High-Nb TiAl Alloy Powder. <i>Materials</i> , 2020, 13, 161.	2.9	10
9	Structural and mechanical properties of a Cu-based bulk metallic glass with two oxygen levels. <i>Intermetallics</i> , 2012, 30, 90-93.	3.9	8
10	In situ XRD study on the phase transformations of the gas-atomized Ti-22Al-25Nb powder. <i>Materials Letters</i> , 2020, 277, 128378.	2.6	6
11	Effect of Nb on the Microstructure and Mechanical Properties of Ti ₂ Cu Intermetallic through the First-Principle Calculations and Experimental Investigation. <i>Metals</i> , 2020, 10, 547.	2.3	6
12	Density Functional Theory Analysis of Electronic and Optical Properties of Two-Dimensional Tantalum Carbides Ta _{n+1} C _n (n=1, 2, 3). <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1800457.	1.5	5
13	Anisotropy in a bulk metallic glass induced by uni-directional heat flow. <i>Journal of Non-Crystalline Solids</i> , 2018, 486, 47-51.	3.1	2
14	Densification Mechanism and Microstructure Evolution of Ti ₄₈ Al ₄₂ Cr ₈ Nb Alloy by Spark Plasma Sintering. <i>Crystal Research and Technology</i> , 2019, 54, 1900107.	1.3	2