

# Yulei Du

## List of Publications by Year in descending order

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14  
papers

339  
citations

1163117

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h-index

1058476

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14  
docs citations

14  
times ranked

516  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Size-Dependent Structural Properties of a High-Nb TiAl Alloy Powder. <i>Materials</i> , 2020, 13, 161.	2.9	10
4	Effect of Nb on the Microstructure and Mechanical Properties of Ti <sub>2</sub> Cu Intermetallic through the First-Principle Calculations and Experimental Investigation. <i>Metals</i> , 2020, 10, 547.	2.3	6
5	Densification Mechanism and Microstructure Evolution of Ti <sub>48</sub> Al <sub>42</sub> Cr <sub>8</sub> Nb Alloy by Spark Plasma Sintering. <i>Crystal Research and Technology</i> , 2019, 54, 1900107.	1.3	2
6	Structural and Mechanical Characteristics of Cu <sub>50</sub> Zr <sub>43</sub> Al <sub>7</sub> Bulk Metallic Glass Fabricated by Selective Laser Melting. <i>Materials</i> , 2019, 12, 775.	2.9	28
7	Catalytic effect of Ti <sub>2</sub> C MXene on the dehydrogenation of MgH <sub>2</sub> . <i>International Journal of Hydrogen Energy</i> , 2019, 44, 6787-6794.	7.1	62
8	Density Functional Theory Analysis of Electronic and Optical Properties of Two-Dimensional Tantalum Carbides Ta <sub>n+1</sub> C <sub>n</sub> (n = 1, 2, 3). <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1800457.	1.5	5
9	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
10	The influence of N content on structure, phase stability, elastic and electronic properties in Ti <sub>3</sub> AlC <sub>2</sub> N <sub>x</sub> (x = 0-2). <i>Physica Status Solidi (B): Basic Research</i> , 2017, 254, 1700009.	4.4	10
11	Hydrogen adsorption, dissociation and diffusion on two-dimensional Ti <sub>2</sub> C monolayer. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 27214-27219.	7.1	27
12	Thermal stability of two-dimensional Ti <sub>2</sub> C nanosheets. <i>Ceramics International</i> , 2015, 41, 2631-2635.	4.8	143
13	Correlation of electronic structure and magnetic moment in Fe <sub>16</sub> N <sub>2</sub> : First-principles calculations. <i>Scripta Materialia</i> , 2013, 68, 976-979.	5.2	11
14	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