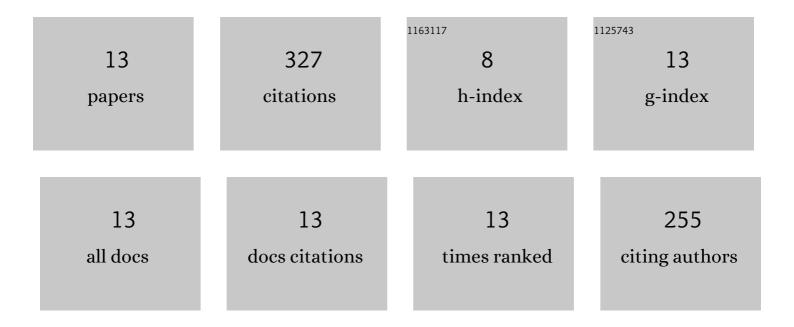


List of Publications by Year in descending order

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Rei He

#	Article	IF	CITATIONS
1	Study of icosahedral quasi-crystalline phase T2-Al6CuLi3 and transformation in 2A97 Al-Li alloy fabricated by laser additive manufacturing. Materials Letters, 2022, 316, 132014.	2.6	5
2	Investigation on ideal mechanical performance of laser direct energy deposited Ti–6Al–2Zr–1Mo–1V alloy without sub-l² transus thermal cycles. Vacuum, 2022, 203, 111303.	3.5	4
3	Laser surface alloying with carbon on 15-5PH steel for improved wear resistance. Surface Engineering, 2021, 37, 669-677.	2.2	8
4	Effect of aging on microstructure and wear resistance of Ti-55511/BN composite coating. Surface Engineering, 2021, 37, 712-721.	2.2	1
5	A Review on Additive Manufacturing of Titanium Alloys for Aerospace Applications: Directed Energy Deposition and Beyond Ti-6Al-4V. Jom, 2021, 73, 1804-1818.	1.9	106
6	Microstructure evolution and microhardness of the novel Al–Cu–Li-xSc alloys fabricated by laser rapid melting. Vacuum, 2021, 189, 110235.	3.5	10
7	Effect of thermal cycling on microstructure and mechanical properties of 2A97 Al–Li alloy fabricated by direct laser deposition. Vacuum, 2021, 190, 110299.	3.5	18
8	Characterization of Microstructures Formed during Nonequilibrium Thermal Cycles in a TiAl Alloy Fabricated by Direct Metal Deposition. Advanced Engineering Materials, 2020, 22, 1901444.	3.5	3
9	Effect of laser surface remelting and low temperature aging treatments on microstructures and surface properties of Ti-55511 alloy. Surface and Coatings Technology, 2017, 316, 104-112.	4.8	18
10	Effect of weld repair on microstructure and mechanical properties of laser additive manufactured Ti-55511 alloy. Materials and Design, 2017, 119, 437-445.	7.0	37
11	Brittle fracture behavior of a laser additive manufactured near-β titanium alloy after low temperature aging. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 699, 229-238.	5.6	50
12	ï‰-assisted α phase and hardness of Ti-5Al-5Mo-5V-1Cr-1Fe during low temperature isothermal heat treatment after laser surface remelting. Journal of Alloys and Compounds, 2017, 708, 1054-1062.	5.5	14
13	Microstructure and properties of a novel titanium alloy Ti-6Al-2V-1.5Mo-0.5Zr-0.3Si manufactured by laser additive manufacturing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 684, 233-238.	5.6	53