

Bei He

List of Publications by Year in descending order

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13
papers

327
citations

1163117

8
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

255
citing authors

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