

Pei Wei

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

343
citations

1163117

8
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

339
citing authors

#	ARTICLE	IF	CITATIONS
1	Anisotropy of nickel-based superalloy K418 fabricated by selective laser melting. <i>Progress in Natural Science: Materials International</i> , 2018, 28, 496-504.	4.4	70
2	Thermal behavior in single track during selective laser melting of AlSi10Mg powder. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	2.3	66
3	Graphene reinforced nickel-based superalloy composites fabricated by additive manufacturing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 769, 138484.	5.6	52
4	Thermal dynamic behavior during selective laser melting of K418 superalloy: numerical simulation and experimental verification. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	42
5	Forming and defect analysis for single track scanning in selective laser melting of Ti6Al4V. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	40
6	Experimental Research on Selective Laser Melting AlSi10Mg Alloys: Process, Densification and Performance. <i>Journal of Materials Engineering and Performance</i> , 2017, 26, 5897-5905.	2.5	22
7	The fusion process of successive droplets impinging onto a substrate surface. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 120, 35-42.	2.3	19
8	Effect of Laser Energy Density on the Microstructure and Texture Evolution of Hastelloy-X Alloy Fabricated by Laser Powder Bed Fusion. <i>Materials</i> , 2021, 14, 4305.	2.9	11
9	Effect of Laser Scanning Speed on the Microstructure and Mechanical Properties of Laser-Powder-Bed-Fused K418 Nickel-Based Alloy. <i>Materials</i> , 2022, 15, 3045.	2.9	10
10	Hierarchical architecture and mechanical behavior of K418 Ni-based superalloys manufactured by laser powder bed fusion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 851, 143630.	5.6	7
11	Laser Powder Bed Fusion of K418 Superalloy: Process, Microstructure, Texture Feature, and Mechanical Property. <i>Metals</i> , 2022, 12, 611.	2.3	3
12	Optimal Design of Nozzle for Supersonic Atmosphere Plasma Spraying. <i>High Temperature Materials and Processes</i> , 2016, 35, 685-696.	1.4	1