

Jiayu Sun

List of Publications by Year in descending order

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19
papers

508
citations

686830

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794141

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19
all docs

19
docs citations

19
times ranked

229
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental research and multi-response multi-parameter optimization of laser cladding Fe313. Optics and Laser Technology, 2018, 108, 321-332.	2.2	75
2	Microstructure and wear resistance of in-situ synthesized Ti(C, N) ceramic reinforced Fe-based coating by laser cladding. Ceramics International, 2018, 44, 22538-22548.	2.3	67
3	Microstructure and friction coefficient of ceramic (TiC, TiN and B4C) reinforced Ni-based coating by laser cladding. Ceramics International, 2019, 45, 20824-20836.	2.3	55
4	Microstructure and properties of laser clad B4C/TiC/Ni-based composite coating. International Journal of Refractory Metals and Hard Materials, 2020, 86, 105112.	1.7	52
5	Microstructure and wear resistance behavior of Tiâ€“Câ€“B4C-reinforced composite coating. Ceramics International, 2020, 46, 25136-25148.	2.3	35
6	Process parameters optimization and mechanical properties of forming parts by direct laser fabrication of YCF101 alloy. Journal of Materials Processing Technology, 2018, 262, 75-84.	3.1	33
7	Effect of process parameters on the cladding track geometry fabricated by laser cladding. Optik, 2020, 223, 165447.	1.4	29
8	Microstructure and mechanical properties of Tiâ€“Câ€“TiN-reinforced Ni204-based laser-cladding composite coating. Ceramics International, 2021, 47, 5918-5928.	2.3	29
9	Influences of z-axis increment and analyses of defects of AISI 316L stainless steel hollow thin-walled cylinder. International Journal of Advanced Manufacturing Technology, 2018, 97, 2203-2220.	1.5	18
10	Effect of shielding gas flow rate on cladding quality of direct laser fabrication AISI 316L stainless steel. Journal of Manufacturing Processes, 2019, 48, 51-65.	2.8	17
11	Study on optimization of ultrasonic-vibration-assisted polishing process parameters. Measurement: Journal of the International Measurement Confederation, 2019, 135, 651-660.	2.5	17
12	Microstructure evolution and wear resistance of in-situ synthesized (Ti, Nb)C ceramic reinforced Ni204 composite coatings. Ceramics International, 2022, 48, 17518-17528.	2.3	17
13	Effect of laser cladding on forming qualities of YCF101 alloy powder in the different lap joint modes. International Journal of Advanced Manufacturing Technology, 2018, 96, 1991-2001.	1.5	14
14	Adhesion mechanism of cold-sprayed Sn coatings on carbon fiber reinforced plastics. Applied Surface Science, 2022, 579, 151873.	3.1	13
15	Effect of laser cladding on forming microhardness and tensile strength of YCF101 alloy powder in the different full lap joint modes. Journal of Alloys and Compounds, 2020, 820, 150230.	2.8	11
16	Thermal Effects in Sn Coating on a Carbon Fiber Reinforced Plastic by Cold Spraying. Journal of Thermal Spray Technology, 2021, 30, 1254-1261.	1.6	11
17	Mechanical property of YCF101 coating under different overlap modes by laser cladding. Optik, 2020, 212, 164714.	1.4	8
18	Process optimization for improving topography quality and manufacturing accuracy of thin-walled cylinder direct laser fabrication. International Journal of Advanced Manufacturing Technology, 2019, 105, 2087-2101.	1.5	5

#	ARTICLE	IF	CITATIONS
19	Dynamic recrystallization of Sn coatings on carbon-fiber-reinforced plastics during cold spray additive manufacturing. Additive Manufacturing, 2022, 56, 102949.	1.7	2