

Jiayu Sun

List of Publications by Year in descending order

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papers

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all docs

19
docs citations

19
times ranked

229
citing authors

#	ARTICLE	IF	CITATIONS
1	Adhesion mechanism of cold-sprayed Sn coatings on carbon fiber reinforced plastics. Applied Surface Science, 2022, 579, 151873.	3.1	13
2	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
3	Dynamic recrystallization of Sn coatings on carbon-fiber-reinforced plastics during cold spray additive manufacturing. Additive Manufacturing, 2022, 56, 102949.	1.7	2
4	Microstructure and mechanical properties of Tiâ€“Caâ€“TiN-reinforced Ni204-based laser-cladding composite coating. Ceramics International, 2021, 47, 5918-5928.	2.3	29
5	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
6	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
7	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
8	Effect of process parameters on the cladding track geometry fabricated by laser cladding. Optik, 2020, 223, 165447.	1.4	29
9	Microstructure and wear resistance behavior of Tiâ€“Caâ€“B4C-reinforced composite coating. Ceramics International, 2020, 46, 25136-25148.	2.3	35
10	Mechanical property of YCF101 coating under different overlap modes by laser cladding. Optik, 2020, 212, 164714.	1.4	8
11	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
12	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
13	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
14	Study on optimization of ultrasonic-vibration-assisted polishing process parameters. Measurement: Journal of the International Measurement Confederation, 2019, 135, 651-660.	2.5	17
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Experimental research and multi-response multi-parameter optimization of laser cladding Fe313. Optics and Laser Technology, 2018, 108, 321-332.	2.2	75