

Guang-yi

List of Publications by Year in descending order

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20
papers

486
citations

623574

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all docs

20
docs citations

20
times ranked

374
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of low-temperature cooling on corrosion properties of laser welding Hastelloy C-276/304 stainless steel with filler wire. Optics and Laser Technology, 2022, 148, 107755.	2.2	5
2	Effect of weaving frequency on pulsed laser weaving welding of thin 5052 aluminum alloy sheet. International Journal of Advanced Manufacturing Technology, 2022, 119, 4541-4558.	1.5	1
3	Transformation mechanism of secondary phase and its effect on intergranular corrosion in laser wire filling welding Ni-based alloy/304 stainless steel. Transactions of Nonferrous Metals Society of China, 2021, 31, 715-725.	1.7	9
4	Investigations of the microstructure and performance of TiCp/Ti6Al4V composites prepared by directed laser deposition. International Journal of Mechanical Sciences, 2021, 205, 106595.	3.6	25
5	Comparative study of microstructure evaluation and mechanical properties of 4043 aluminum alloy fabricated by wire-based additive manufacturing. Materials and Design, 2020, 186, 108205.	3.3	78
6	Effect and mechanism of ZrO ₂ doping on the cracking behavior of melt-grown Al ₂ O ₃ ceramics prepared by directed laser deposition. International Journal of Applied Ceramic Technology, 2020, 17, 227-238.	1.1	14
7	Adjust dilution level to suppress the precipitated phase by dilution level model of dissimilar metal laser welding with filler wire. Optics and Laser Technology, 2020, 125, 106025.	2.2	5
8	Al-Cu alloy fabricated by novel laser-tungsten inert gas hybrid additive manufacturing. Additive Manufacturing, 2020, 32, 100954.	1.7	15
9	Effect of post-deposition heat treatment on laser-TIG hybrid additive manufactured Al-Cu alloy. Virtual and Physical Prototyping, 2020, 15, 445-459.	5.3	25
10	Effect of graphite addition on mechanical properties of Al ₂ O ₃ ceramics by directed laser deposition. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2020, , 095440542094480.	1.5	4
11	Microstructure and mechanical properties of titanium alloy / zirconia functionally graded materials prepared by laser additive manufacturing. Journal of Manufacturing Processes, 2020, 56, 616-622.	2.8	34
12	High-mass-proportion TiCp/Ti6Al4V titanium matrix composites prepared by directed energy deposition. Additive Manufacturing, 2020, 35, 101323.	1.7	15
13	Directed laser deposition of Al ₂ O ₃ -ZrO ₂ melt-grown composite ceramics with multiple composition ratios. Journal of Materials Science, 2020, 55, 6794-6809.	1.7	20
14	Process optimization of melt growth alumina/aluminum titanate composites directed energy deposition: Effects of scanning speed. Additive Manufacturing, 2020, 35, 101210.	1.7	8
15	Microstructure and mechanical properties of aluminum alloy prepared by laser-arc hybrid additive manufacturing. Journal of Laser Applications, 2020, 32, .	0.8	20
16	Comparison of carbon-based reinforcement on laser aided additive manufacturing Inconel 625 composites. Applied Surface Science, 2019, 490, 522-534.	3.1	35
17	Effect of doping SiC particles on cracks and pores of Al ₂ O ₃ -ZrO ₂ eutectic ceramics fabricated by directed laser deposition. Journal of Materials Science, 2019, 54, 9321-9330.	1.7	21
18	Characterization of wear properties of the functionally graded material deposited on cast iron by laser-aided additive manufacturing. International Journal of Advanced Manufacturing Technology, 2019, 105, 4097-4105.	1.5	20

#	ARTICLE	IF	CITATIONS
19	Ultrasonic vibration assisted laser welding of nickel-based alloy and Austenite stainless steel. Journal of Manufacturing Processes, 2018, 31, 759-767.	2.8	76
20	Dilution characteristics of ultrasonic assisted laser clad yttria-stabilized zirconia coating. Materials Letters, 2015, 141, 207-209.	1.3	56