

Chongliang Zhong

List of Publications by Year in descending order

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29
papers

1,195
citations

430874

18
h-index

642732

23
g-index

29
all docs

29
docs citations

29
times ranked

789
citing authors

#	ARTICLE	IF	CITATIONS
1	Heat Treatment Design for IN718 by Laser Metal Deposition with High Deposition Rates: Modeling, Simulation, and Experiments. <i>3D Printing and Additive Manufacturing</i> , 2023, 10, 136-145.	2.9	1
2	Microstructure homogeneity and mechanical property improvement of Inconel 718 alloy fabricated by high-deposition-rate laser directed energy deposition. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 832, 142430.	5.6	21
3	Development of a novel green coating process with laser. <i>Scientific Reports</i> , 2022, 12, 6314.	3.3	4
4	Laser additive manufacturing of Inconel 718 at increased deposition rates. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 844, 143196.	5.6	14
5	Laves phase tuning for enhancing high temperature mechanical property improvement in laser directed energy deposited Inconel 718. <i>Composites Part B: Engineering</i> , 2021, 215, 108819.	12.0	33
6	Some factors affecting porosity in directed energy deposition of AlMgScZr-alloys. <i>Optics and Laser Technology</i> , 2021, 143, 107337.	4.6	18
7	The microstructure evolution and tensile properties of Inconel 718 fabricated by high-deposition-rate laser directed energy deposition. <i>Additive Manufacturing</i> , 2020, 31, 100941.	3.0	28
8	Effect of post-deposition heat treatment on laser-TIG hybrid additive manufactured Al-Cu alloy. <i>Virtual and Physical Prototyping</i> , 2020, 15, 445-459.	10.4	25
9	Investigation of heating behavior of laser beam on powder stream in directed energy deposition. <i>Surface and Coatings Technology</i> , 2020, 397, 126061.	4.8	23
10	Laser metal deposition for additive manufacturing of AA5024 and nanoparticulate TiC modified AA5024 alloy composites prepared with balling milling process. <i>Optics and Laser Technology</i> , 2020, 131, 106438.	4.6	38
11	Laser Metal Deposition of Ti6Al4V—A Brief Review. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 764.	2.5	50
12	Study of nickel-based super-alloys Inconel 718 and Inconel 625 in high-deposition-rate laser metal deposition. <i>Optics and Laser Technology</i> , 2019, 109, 352-360.	4.6	55
13	A novel method for the molten pool and porosity formation modelling in selective laser melting. <i>International Journal of Heat and Mass Transfer</i> , 2019, 140, 1091-1105.	4.8	87
14	The influence of Laves phases on the room temperature tensile properties of Inconel 718 fabricated by powder feeding laser additive manufacturing. <i>Acta Materialia</i> , 2019, 164, 413-427.	7.9	270
15	Microstructures, tensile properties, and fracture mechanisms of Inconel 718 formed by HDR-LMD with PREP and GA powders. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 96, 2031-2041.	3.0	5
16	Influence of solution heat treatment on microstructure and tensile properties of Inconel 718 formed by high-deposition-rate laser metal deposition. <i>Journal of Alloys and Compounds</i> , 2018, 740, 389-399.	5.5	62
17	The Influence of the Powder Stream on High-Deposition-Rate Laser Metal Deposition with Inconel 718. <i>Metals</i> , 2017, 7, 443.	2.3	47
18	A comparative study of Inconel 718 formed by High Deposition Rate Laser Metal Deposition with GA powder and PREP powder. <i>Materials and Design</i> , 2016, 107, 386-392.	7.0	81

#	ARTICLE	IF	CITATIONS
19	Microstructures and tensile properties of Inconel 718 formed by high deposition-rate laser metal deposition. Journal of Laser Applications, 2016, 28, .	1.7	34
20	Improvement of material performance of Inconel 718 formed by high deposition-rate laser metal deposition. Materials and Design, 2016, 98, 128-134.	7.0	127
21	Experimental study of effects of main process parameters on porosity, track geometry, deposition rate, and powder efficiency for high deposition rate laser metal deposition. Journal of Laser Applications, 2015, 27, .	1.7	62
22	Experimental study of porosity reduction in high deposition-rate Laser Material Deposition. Optics and Laser Technology, 2015, 75, 87-92.	4.6	72
23	Study of process window development for high deposition-rate laser material deposition by using mixed processing parameters. Journal of Laser Applications, 2015, 27, .	1.7	25
24	Thermal-optical analysis for optical window under high Mach flight condition. , 2012, , .		0
25	Image motion compensation for a certain aviation camera based on Lucy-Richardson algorithm. , 2011, , .		4
26	Image Forward Motion Compensation Method for Some Aerial Reconnaissance Camera Based on Neural Network Predictive Control. Communications in Computer and Information Science, 2011, , 237-244.	0.5	1
27	An information theoretic approach to model reduction based on frequency-domain Cross-Gramian information. , 2010, , .		1
28	Handwritten Character Recognition Based on 13-point Feature of Skeleton and Self-Organizing Competition Network. , 2010, , .		6
29	Minimum information loss method based on cross-gramian matrix for model reduction (CGMIL). , 2008, , .		1