

Wenjia Wang

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

219
citations

1163117

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h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

188
citing authors

#	ARTICLE	IF	CITATIONS
1	Analytical modeling of lack-of-fusion porosity in metal additive manufacturing. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	54
2	Analytical modeling of part distortion in metal additive manufacturing. International Journal of Advanced Manufacturing Technology, 2020, 107, 49-57.	3.0	36
3	Preparation and characterization of Fe ₃ O ₄ /SiO ₂ /Bi ₂ MoO ₆ composite as magnetically separable photocatalyst. Journal of Alloys and Compounds, 2015, 638, 214-220.	5.5	30
4	Prediction of lack-of-fusion porosity in laser powder-bed fusion considering boundary conditions and sensitivity to laser power absorption. International Journal of Advanced Manufacturing Technology, 2021, 112, 61-70.	3.0	28
5	Prediction of Upper Surface Roughness in Laser Powder Bed Fusion. Metals, 2022, 12, 11.	2.3	14
6	Analytical Thermal Modeling of Powder Bed Metal Additive Manufacturing Considering Powder Size Variation and Packing. Materials, 2020, 13, 1988.	2.9	13
7	In-Situ Distortion Prediction in Metal Additive Manufacturing Considering Boundary Conditions. International Journal of Precision Engineering and Manufacturing, 2021, 22, 909-917.	2.2	12
8	Analytical Prediction of Balling, Lack-of-Fusion and Keyholing Thresholds in Powder Bed Fusion. Applied Sciences (Switzerland), 2021, 11, 12053.	2.5	11
9	Analytical prediction of keyhole porosity in laser powder bed fusion. International Journal of Advanced Manufacturing Technology, 2022, 119, 6995-7002.	3.0	9
10	Prediction of molten pool size and vapor depression depth in keyhole melting mode of laser powder bed fusion. International Journal of Advanced Manufacturing Technology, 2022, 119, 6215-6223.	3.0	4
11	Prediction of molten pool height, contact angle, and balling occurrence in laser powder bed fusion. International Journal of Advanced Manufacturing Technology, 2022, 119, 6193-6202.	3.0	3
12	Physics-Based Predictive Model of Lack-of-Fusion Porosity in Laser Powder Bed Fusion Considering Cap Area. Crystals, 2021, 11, 1568.	2.2	3
13	A 3D analytical modeling method for keyhole porosity prediction in laser powder bed fusion. International Journal of Advanced Manufacturing Technology, 2022, 120, 3017-3025.	3.0	2