

Daniel E Sievers

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4796622/publications.pdf>

Version: 2024-02-01

9
papers

368
citations

1163117
8
h-index

1474206
9
g-index

9
all docs

9
docs citations

9
times ranked

309
citing authors

#	ARTICLE	IF	CITATIONS
1	Analytical Modeling of In-Process Temperature in Powder Bed Additive Manufacturing Considering Laser Power Absorption, Latent Heat, Scanning Strategy, and Powder Packing. <i>Materials</i> , 2019, 12, 808.	2.9	92
2	Analytical modeling of 3D temperature distribution in selective laser melting of Ti-6Al-4V considering part boundary conditions. <i>Journal of Manufacturing Processes</i> , 2019, 44, 319-326.	5.9	68
3	Analytical modeling of part porosity in metal additive manufacturing. <i>International Journal of Mechanical Sciences</i> , 2020, 172, 105428.	6.7	67
4	Analytical modeling of transient temperature in powder feed metal additive manufacturing during heating and cooling stages. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	36
5	Analytical modeling of in-situ deformation of part and substrate in laser cladding additive manufacturing of Inconel 625. <i>Journal of Manufacturing Processes</i> , 2020, 49, 135-140.	5.9	29
6	Analytical Thermal Modeling of Metal Additive Manufacturing by Heat Sink Solution. <i>Materials</i> , 2019, 12, 2568.	2.9	28
7	Analytical modeling of in-process temperature in powder feed metal additive manufacturing considering heat transfer boundary condition. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2020, 7, 585-593.	4.9	28
8	Analytical Thermal Modeling of Powder Bed Metal Additive Manufacturing Considering Powder Size Variation and Packing. <i>Materials</i> , 2020, 13, 1988.	2.9	13
9	Evaluation of the influence of B and Nb microalloying on the microstructure and strength of 18% Ni maraging steels (C350) using hardness, spherical indentation and tensile tests. <i>Acta Materialia</i> , 2021, 215, 117071.	7.9	7