

Reza Yavari

List of Publications by Year in descending order

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6
papers

298
citations

1478505

6
h-index

1872680

6
g-index

6
all docs

6
docs citations

6
times ranked

267
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward the digital twin of additive manufacturing: Integrating thermal simulations, sensing, and analytics to detect process faults. IISE Transactions, 2020, 52, 1204-1217.	2.4	97
2	An Overview of Additive Manufacturing Technologiesâ€”A Review to Technical Synthesis in Numerical Study of Selective Laser Melting. Materials, 2020, 13, 3895.	2.9	69
3	In-Process Monitoring of Material Cross-Contamination Defects in Laser Powder Bed Fusion. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2018, 140, .	2.2	54
4	Part-scale thermal simulation of laser powder bed fusion using graph theory: Effect of thermal history on porosity, microstructure evolution, and recoater crash. Materials and Design, 2021, 204, 109685.	7.0	38
5	Prediction and Experimental Validation of Part Thermal History in the Fused Filament Fabrication Additive Manufacturing Process. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2019, 141, .	2.2	24
6	Thermal modeling in metal additive manufacturing using graph theory â€” Application to laser powder bed fusion of a large volume impeller. Additive Manufacturing, 2021, 41, 101956.	3.0	16