

# Narendran Raghavan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5728850/publications.pdf>

Version: 2024-02-01

8  
papers

586  
citations

1684188  
5  
h-index

1588992  
8  
g-index

11  
all docs

11  
docs citations

11  
times ranked

683  
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical modeling of heat-transfer and the influence of process parameters on tailoring the grain morphology of IN718 in electron beam additive manufacturing. <i>Acta Materialia</i> , 2016, 112, 303-314.	7.9	385
2	Localized melt-scan strategy for site specific control of grain size and primary dendrite arm spacing in electron beam additive manufacturing. <i>Acta Materialia</i> , 2017, 140, 375-387.	7.9	160
3	Fluid Dynamics Effects on Microstructure Prediction in Single-Laser Tracks for Additive Manufacturing of IN625. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2020, 51, 1263-1281.	2.1	14
4	3D Characterization of the Columnar-to-Equiaxed Transition in Additively Manufactured Inconel 718. <i>Minerals, Metals and Materials Series</i> , 2020, , 990-1002.	0.4	10
5	Scan strategies in EBM-printed IN718 and the physics of bulk 3D microstructure development. <i>Materials Characterization</i> , 2022, 190, 112043.	4.4	6
6	Influence of geometry on columnar to equiaxed transition during electron beam powder bed fusion of IN718. <i>Additive Manufacturing</i> , 2021, 47, 102209.	3.0	5
7	Investigation of interfacial structures for hybrid manufacturing. <i>Materials Letters</i> , 2022, 307, 131040.	2.6	2
8	Processing-Microstructure Relationships From 3D Characterization of Additively Manufactured Metals. <i>Microscopy and Microanalysis</i> , 2019, 25, 2582-2583.	0.4	1