

Mohamed Balbaa

List of Publications by Year in descending order

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Version: 2024-02-01

9
papers

216
citations

1478505

6
h-index

1588992

8
g-index

9
all docs

9
docs citations

9
times ranked

174
citing authors

#	ARTICLE	IF	CITATIONS
1	On selective laser melting of Inconel 718: Densification, surface roughness, and residual stresses. <i>Materials and Design</i> , 2020, 193, 108818.	7.0	117
2	Role of powder particle size on laser powder bed fusion processability of AlSi10Mg alloy. <i>Additive Manufacturing</i> , 2021, 37, 101630.	3.0	29
3	Improvement of fatigue performance of laser powder bed fusion fabricated IN625 and IN718 superalloys via shot peening. <i>Journal of Materials Processing Technology</i> , 2022, 304, 117571.	6.3	20
4	An experimental investigation of surface integrity in selective laser melting of Inconel 625. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 104, 3511-3529.	3.0	16
5	A Sensitivity Analysis on the Effect of Laser Power on Residual Stresses When Laser-assisted Machining AISI 4340. <i>Procedia CIRP</i> , 2017, 58, 31-36.	1.9	13
6	Modelling Machining-Induced Residual Stresses after Laser-Assisted Turning of Steels. <i>Advanced Materials Research</i> , 0, 996, 622-627.	0.3	8
7	Influence of alloying elements on laser powder bed fusion processability of aluminum: A new insight into the oxidation tendency. <i>Additive Manufacturing</i> , 2021, 46, 102145.	3.0	7
8	A novel post-processing approach towards improving hole accuracy and surface integrity in laser powder bed fusion of IN625. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 119, 6225.	3.0	3
9	Multi-Scale Modeling of Residual Stresses Evolution in Laser Powder Bed Fusion of Inconel 625. <i>Journal of Manufacturing and Materials Processing</i> , 2022, 6, 2.	2.2	3