

# Mohamed Balbaa

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5023604/publications.pdf>

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9  
papers

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citations

1478505

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docs citations

9  
times ranked

174  
citing authors

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