

# Omer El Fakir

## List of Publications by Year in descending order

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28  
papers

552  
citations

759233

12  
h-index

642732

23  
g-index

29  
all docs

29  
docs citations

29  
times ranked

336  
citing authors

#	ARTICLE	IF	CITATIONS
1	A general IHTC model for hot/warm aluminium stamping. Applied Thermal Engineering, 2020, 181, 115619.	6.0	2
2	Review on additive manufacturing of tooling for hot stamping. International Journal of Advanced Manufacturing Technology, 2020, 109, 87-107.	3.0	37
3	Characterisation of the interfacial heat transfer coefficient in hot stamping of titanium alloys. International Communications in Heat and Mass Transfer, 2020, 113, 104535.	5.6	18
4	Development of an interfacial heat transfer coefficient model for the hot and warm aluminium stamping processes under different initial blank temperature conditions. Journal of Materials Processing Technology, 2019, 273, 116245.	6.3	9
5	Effect of tool coatings on the interfacial heat transfer coefficient in hot stamping of aluminium alloys under variable contact pressure conditions. International Journal of Heat and Mass Transfer, 2019, 137, 74-83.	4.8	13
6	Multi-objective finite element simulations of a sheet metal-forming process via a cloud-based platform. International Journal of Advanced Manufacturing Technology, 2019, 100, 2753-2765.	3.0	19
7	Effects of lubricant on the IHTC during the hot stamping of AA6082 aluminium alloy: Experimental and modelling studies. Journal of Materials Processing Technology, 2018, 255, 175-183.	6.3	16
8	Characterisation of the contact pressure dependent interfacial heat transfer coefficient for a hot stamping process following a data driven approach. MATEC Web of Conferences, 2018, 190, 08005.	0.2	0
9	Determination of the interfacial heat transfer coefficient for a hot aluminium stamping process. Journal of Materials Processing Technology, 2017, 247, 158-170.	6.3	47
10	Forming limit prediction for hot stamping processes featuring non-isothermal and complex loading conditions. International Journal of Mechanical Sciences, 2017, 131-132, 792-810.	6.7	29
11	Springback analysis of AA5754 after hot stamping: experiments and FE modelling. International Journal of Advanced Manufacturing Technology, 2017, 89, 1339-1352.	3.0	49
12	Determination of the interfacial heat transfer coefficient between AA7075 and different forming tools in hot stamping processes. Procedia Engineering, 2017, 207, 717-722.	1.2	2
13	Hot stamping of AA6082 tailor welded blanks: experiment and FE simulation. Manufacturing Review, 2016, 3, 8.	1.5	9
14	Knowledge Based Cloud FE simulation - data-driven material characterization guidelines for the hot stamping of aluminium alloys. Journal of Physics: Conference Series, 2016, 734, 032042.	0.4	5
15	Characterization of the interfacial heat transfer coefficient for hot stamping processes. Journal of Physics: Conference Series, 2016, 734, 032079.	0.4	1
16	Determination of the Interfacial Heat Transfer Coefficient in the Hot Stamping of AA7075. Manufacturing Review, 2016, 3, 16.	1.5	4
17	Knowledge Based Cloud FE Simulation of Sheet Metal Forming Processes. Journal of Visualized Experiments, 2016, , .	0.3	6
18	Determination of the interfacial heat transfer coefficient in the hot stamping of AA7075. MATEC Web of Conferences, 2015, 21, 05003.	0.2	7

#	ARTICLE	IF	CITATIONS
19	Influence of intensive melt shearing on subsequent hot rolling and the mechanical properties of twin roll cast AZ31 strips. <i>Materials Letters</i> , 2015, 144, 54-57.	2.6	8
20	Determination of Heat Transfer Coefficient for Hot Stamping Process. <i>Materials Today: Proceedings</i> , 2015, 2, S434-S439.	1.8	19
21	Effect of melt conditioning on heat treatment and mechanical properties of AZ31 alloy strips produced by twin roll casting. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 620, 223-232.	5.6	18
22	Predicting Effect of Temperature, Strain Rate and Strain Path Changes on Forming Limit of Lightweight Sheet Metal Alloys. <i>Procedia Engineering</i> , 2014, 81, 736-741.	1.2	17
23	Numerical study of the solution heat treatment, forming, and in-die quenching (HFQ) process on AA5754. <i>International Journal of Machine Tools and Manufacture</i> , 2014, 87, 39-48.	13.4	155
24	Life cycle assessment of the potential environmental benefits of a novel hot forming process in automotive manufacturing. <i>Journal of Cleaner Production</i> , 2014, 83, 80-86.	9.3	46
25	Melt Conditioned Twin Roll Casting (MC-TRC) of Thin Mg-Alloy Strips for Direct Stamping of Mg Components. <i>Materials Science Forum</i> , 2013, 765, 170-174.	0.3	6
26	Numerical Investigation on the Hot Forming and Cold-Die Quenching of an Aluminium-Magnesium Alloy into a Complex Component. <i>Materials Science Forum</i> , 2013, 765, 368-372.	0.3	5
27	Solution Heat Treatment, Forming and In-Die Quenching of a Commercial Sheet Magnesium Alloy into a Complex-Shaped Component: Experimentation and FE Simulation. <i>Key Engineering Materials</i> , 0, 622-623, 596-602.	0.4	4
28	Studies on the Hot Forming and Cold-Die Quenching of AA6082 Tailor Welded Blanks. <i>Key Engineering Materials</i> , 0, 716, 941-947.	0.4	1