Michael Lechner

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10389203/publications.pdf

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21	489	1163117	888059
papers	citations	8	17
		h-index	g-index

23	23	23	363
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A review on tailored blanksâ€"Production, applications and evaluation. Journal of Materials Processing Technology, 2014, 214, 151-164.	6.3	354
2	Tailoring Material Properties of Aluminum by Local Laser Heat Treatment. Physics Procedia, 2012, 39, 232-239.	1.2	28
3	Process Design of Aluminum Tailor Heat Treated Blanks. Materials, 2015, 8, 8524-8538.	2.9	14
4	Enhancement of formability of aluminum alloys in multi-stage forming operations by a local intermediate heat treatment. Production Engineering, 2012, 6, 541-549.	2.3	13
5	Influence of short-term heat treatment on the microstructure and mechanical properties of EN AW-6060 T4 extrusion profiles: Part A. Production Engineering, 2016, 10, 383-389.	2.3	13
6	Designing, Manufacturing and Processing of Tailored Blanks in a Sheet-bulk Metal Forming Process. Procedia Manufacturing, 2017, 10, 286-297.	1.9	10
7	Determination of the Mechanical Properties of Hot Stamped Parts from Numerical Simulations. Procedia CIRP, 2015, 33, 167-172.	1.9	9
8	Influence of short-term heat treatment on the microstructure and mechanical properties of EN AW-6060 T4 extrusion profilesâ€"Part B. Production Engineering, 2016, 10, 391-398.	2.3	8
9	Precipitation Behaviour and Mechanical Properties during Short-Term Heat Treatment for Tailor Heat Treated Profiles (THTP) of Aluminium Alloy 6060 T4. Materials Science Forum, 0, 877, 400-406.	0.3	7
10	Influence of a local short-term heat treatment on the formability of orbital formed functional components. Procedia Manufacturing, 2021, 53, 72-79.	1.9	5
11	Influence of Pre-straining and Heat Treatment on the Yield Surface of Precipitation Hardenable Aluminum Alloys. Physics Procedia, 2014, 56, 1400-1409.	1.2	4
12	Innovative Aluminium Lightweight Design by the Combination of Accumulative Roll Bonding and Local Intermediate Heat Treatment. Materials Today: Proceedings, 2015, 2, 4992-4997.	1.8	4
13	A New Strategy for Manufacturing Tailored Blanks by a Flexible Rolling Process. Materials Science Forum, 0, 854, 99-105.	0.3	4
14	Enhancement of the Forming Limits for Orbital Formed Tailored Blanks by Local Short-term Heat Treatment. Procedia Manufacturing, 2020, 47, 1197-1202.	1.9	4
15	Optimization of the Heat Treatment Layout and Blank Outline of THTB. Key Engineering Materials, 0, 554-557, 2465-2471.	0.4	3
16	Test Method for Friction Characterization of Rivets. Defect and Diffusion Forum, 2020, 404, 132-137.	0.4	3
17	Functional Analysis of Components Manufactured by a Sheet-Bulk Metal Forming Process. Journal of Manufacturing and Materials Processing, 2021, 5, 49.	2.2	2
18	Comprehensive Material Characterization for an Intermediate Heat Treatment. Key Engineering Materials, 2013, 549, 39-44.	0.4	1

#	Article	IF	Citations
19	Friction Characterisation for a Tumbling Self-Piercing Riveting Process. Key Engineering Materials, 0, 883, 27-34.	0.4	1
20	Development of a New Method for Producing Plane Expanded Metal by Laser Cutting and Forming of Metal Plates under Uniaxial Tension. Key Engineering Materials, 0, 639, 131-136.	0.4	0
21	Linked Heat Treatment and Bending Simulation of Aluminium Tailored Heat Treated Profiles. Minerals, Metals and Materials Series, 2017, , 237-248.	0.4	0