

Michael Lechner

List of Publications by Year in descending order

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papers

489
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363
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Functional Analysis of Components Manufactured by a Sheet-Bulk Metal Forming Process. Journal of Manufacturing and Materials Processing, 2021, 5, 49. | 2.2 | 2 |
| 2 | 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 |
| 3 | Test Method for Friction Characterization of Rivets. Defect and Diffusion Forum, 2020, 404, 132-137. | 0.4 | 3 |
| 4 | 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 |
| 5 | Designing, Manufacturing and Processing of Tailored Blanks in a Sheet-bulk Metal Forming Process. Procedia Manufacturing, 2017, 10, 286-297. | 1.9 | 10 |
| 6 | Linked Heat Treatment and Bending Simulation of Aluminium Tailored Heat Treated Profiles. Minerals, Metals and Materials Series, 2017, , 237-248. | 0.4 | 0 |
| 7 | 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 |
| 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 | Process Design of Aluminum Tailor Heat Treated Blanks. Materials, 2015, 8, 8524-8538. | 2.9 | 14 |
| 10 | Determination of the Mechanical Properties of Hot Stamped Parts from Numerical Simulations. Procedia CIRP, 2015, 33, 167-172. | 1.9 | 9 |
| 11 | 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 |
| 12 | A review on tailored blanksâ€™Production, applications and evaluation. Journal of Materials Processing Technology, 2014, 214, 151-164. | 6.3 | 354 |
| 13 | 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 |
| 14 | Comprehensive Material Characterization for an Intermediate Heat Treatment. Key Engineering Materials, 2013, 549, 39-44. | 0.4 | 1 |
| 15 | Tailoring Material Properties of Aluminum by Local Laser Heat Treatment. Physics Procedia, 2012, 39, 232-239. | 1.2 | 28 |
| 16 | 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 |
| 17 | Optimization of the Heat Treatment Layout and Blank Outline of THTB. Key Engineering Materials, 0, 554-557, 2465-2471. | 0.4 | 3 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | A New Strategy for Manufacturing Tailored Blanks by a Flexible Rolling Process. Materials Science Forum, 0, 854, 99-105. | 0.3 | 4 |
| 20 | 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 |
| 21 | Friction Characterisation for a Tumbling Self-Piercing Riveting Process. Key Engineering Materials, 0, 883, 27-34. | 0.4 | 1 |