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| Call:                   | H20202-WIDESPREAD-05-2017-Twinning  |
| Type of action:         | CSA   |
| Start date of project:  | 1 <sup>st</sup> September 2018  |
| Duration:               | 36 months   |
| Report:                 | Evolution of the publications in high impact journals in the relevant research fields |
| Lead beneficiary:       | UNIZAG FSB  |
| Dissemination level:    | Public  |



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## Publications in high-impact journals in the relevant research fields

### UNIZAG FSB

1. Pilipović, A., Valentan, B., Šercer, M. (2016), Influence of SLS processing parameters according to the new mathematical model on flexural properties, *Rapid prototyping journal*, 22 (2016), 2; 258-268. (IF: 2,4, Q1)
2. Pilipović, Ana; Drstvenšek, Igor; Šercer, Mladen (2014), Mathematical Model for the Selection of Processing Parameters in Selective Laser Sintering of Polymer Products, *Advances in Mechanical Engineering*, (2014), 1-9 (IF: 0,575, Q3)

### LTH

1. Wohlers, T., Campbell, I., Diegel, O., Kowen, J. (2018), *Wohlers Report: Additive Manufacturing State of the Industry, Annual Worldwide Progress Report*, ISBN: 978-0-9913332-4-0.
2. Diegel, O., Nordin, A., & Motte, D., 2018, *Teaching Design for Additive Manufacturing through Problem-based Learning*, in *Additive Manufacturing - Developments in Training and Education - Best Practices, Challenges and Opportunities*, Editors: Eujin Pei, Mario Verona and Alain Bernard, ISBN: 978-3-319-76083-4
3. Wohlers, T., Campbell, I., Diegel, O., Kowen, J. (2017), *Wohlers Report: Additive Manufacturing State of the Industry, Annual Worldwide Progress Report*, ISBN: 978-0-9913332-3-3. Note: This is the first year that I am one of the principal authors of the report. This is, probably, one of the most cited publications in the field of AM.
4. Diegel, O., Nikoleris, G., Nordin, A., (2016), *Wohlers Report: Additive Manufacturing State of the Industry, Annual Worldwide Progress Report*, Chapter Name: Sweden, 2016
5. Diegel O., Kristav P., Motte D., Kianian B., (2016), *Additive Manufacturing and its Effect on Sustainable Design*, in *Environmental Footprints and Eco-design of Products and Processes*, S.S. Muthu and M.M. Savalani (Eds): *Handbook of Sustainability in Additive Manufacturing*, pp 73-99, 978-981-10-0547-3
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10. van der Riet, D., Stopforth, R., Bright, G., Diegel, O., (2016), *Sensory system integration of the designed mechatronics Touch Hand*, *Sensor Review*, Vol. 36 Issue 2 pp. 158 - 168
11. Kianian, B., Tavassoli, S., Larsson, T.C., Diegel, O., (2015), *The Adoption of Additive Manufacturing in Sweden*, *3D Printing and Additive Manufacturing*. December 2015, Vol. 2, No. 4: 152-158

12. Nordin, A., 2018, "Challenges in the industrial implementation of generative design systems: An exploratory study". *Artificial Intelligence for Engineering Design, Analysis and Manufacturing - AI EDAM*, 32(1), pp. 16-31

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1. Ballardini, R.M., Ituarte, I.F. and Pei, E. (2018) Printing Spare Parts through Additive Manufacturing: Legal and Digital Business Challenge. *Journal of Manufacturing Technology Management*.
2. Belkadi, F., Vidal, L.M., Bernard, A., Pei, E., Sanfilippo, E.M. (2018) Towards a unified Additive Manufacturing Product-Process model for digital chain management perspective. 28th CIRP Design Conference May 2018, Nantes, France, *Procedia CIRP*.
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2. Spoerk, M., Arbeiter, F., Raguz, I., Weingrill, G., Fischinger, T., Traxler, G., Schuschnigg, S., Cardon, L., and Holzer, C. (2018), Polypropylene filled with glass spheres in extrusion-

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3. Gonzalez-Gutierrez, J., Cano, S., Sapkota, J., Kukla, C., Schuschnigg, S., and Holzer, C. (2018), Additive Manufacturing of Metallic and Ceramic Components by the Material Extrusion of Highly-Filled Polymers: A Review and Future Perspectives. *Materials* 11 (5): 1-36 (ISSN 1996-1944), doi:10.3390/ma11050840 (Impact factor 2.467)
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  10. Spoerk, M., Gonzalez-Gutierrez, J., Sapkota, J., Schuschnigg, S., and Holzer, C. (2017), Effect of the printing bed temperature on the adhesion of parts produced by fused filament fabrication. *Plastics, Rubber and Composites: Macromolecular Engineering* 47 (1): 17-24 (ISSN: 1465-8011) doi:10.1080/14658011.2017.1399531 (Impact factor 0.848)
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