JiÅÃ- Å afka

List of Publications by Year
in descending order

25 papers	234 citations	1307594 7 h-index	1125743 13 g-index
25 all docs	25 docs citations	25 times ranked	308 citing authors

#	Article	IF	Citations
1	Alumina Manufactured by Fused Filament Fabrication: A Comprehensive Study of Mechanical Properties and Porosity. Polymers, 2022, 14, 991.	4.5	14
2	Mechanical Properties of Polypropylene: Additive Manufacturing by Multi Jet Fusion Technology. Materials, 2021, 14, 2165.	2.9	12
3	Influence of Selective Laser Melting Technology Process Parameters on Porosity and Hardness of AISI H13 Tool Steel: Statistical Approach. Materials, 2021, 14, 6052.	2.9	4
4	Development of the Structure of Cemented Carbides during Their Processing by SLM and HIP. Metals, 2020, 10, 1477.	2.3	15
5	Normal and shear behaviours of the auxetic metamaterials: homogenisation and experimental approaches. Meccanica, 2019, 54, 831-839.	2.0	15
6	SELECTIVE LASER MELTING TECHNOLOGY AND INDIVIDUAL TI-6AL-4V IMPLANTS. MM Science Journal, 2019, 2019, 2867-2871.	0.4	1
7	How does the surface treatment change the cytocompatibility of implants made by selective laser melting?. Expert Review of Medical Devices, 2018, 15, 313-321.	2.8	9
8	Composite 3D printed scaffold with structured electrospun nanofibers promotes chondrocyte adhesion and infiltration. Cell Adhesion and Migration, 2018, 12, 271-285.	2.7	36
9	Experimental investigation of centrifugal fans for personal protection equipment â€“ effect of used 3D printing technologies. EPJ Web of Conferences, 2018, 180, 02023.	0.3	1
10	FUSED DEPOSITION MODELLING VS. INJECTION MOULDING: INFLUENCE OF FIBER ORIENTATION AND LAYER THICKNESS ON THE MECHANICAL PROPERTIES. MM Science Journal, 2018, 12, 2722-2726.	0.4	7
11	THE INFLUENCE OF HUMIDITY AND TEMPERATURE ON THE PROPERTIES OF PHOTOPOLYMER MATERIALS MADE BY POLYJET TECHNOLOGY. MM Science Journal, 2018, 12, 2727-2731.	0.4	2
12	3D printed bionic prosthetic hands. , 2017, , .		26
13	Implementation of Non-Destructive Evaluation and Process Monitoring in DLP-based Additive Manufacturing. Open Engineering, 2017, 7, 100-105.	1.6	4
14	Structural properties of H13 tool steel parts produced with use of selective laser melting technology. Journal of Physics: Conference Series, 2016, 709, 012004.	0.4	32
15	Examining the Relationship between Forces During Stereolithography 3D Printing and Geometric Parameters of the Model. MATEC Web of Conferences, 2016, 40, 02005.	0.2	7
16	Utilizing of inner porous structure in injection moulds for application of special cooling method. Journal of Physics: Conference Series, 2016, 709, 012003.	0.4	1
17	Optimal tool path searching and tool selection for machining of complex surfaces. , 2015, , .		1
18	SHAPE AND SIZE ACCURACY OF 3D-PRINTED ALSI12 PARTS. Acta Metallurgica Slovaca, 2015, 21, 278.	0.7	1

#	Article	IF	Citations
19	Use of Reverse Engineering Methods in the Field of Fashion Design. Applied Mechanics and Materials, 2014, 693, 189-194.	0.2	2
20	Dividing the Complicated General Shapes of the Surface into Partial Elements According to Curvature (Gauss and Maximal Curvature) and its Multi-Axis Machining. Applied Mechanics and Materials, 2014, 693, 225-230.	0.2	0
21	Properties of Models Produced by Direct Selective Laser Melting Technology. Applied Mechanics and Materials, 2014, 693, 231-236.	0.2	2
22	Impact of Open Cell Bi-Component Structures on Distribution of Temperature Fields. Applied Mechanics and Materials, 2014, 693, 400-405.	0.2	0
23	3D Printing of Fractal Deterministic Shapes into Polymer Matrix with Respect to Final Composite Mechanical Properties. Applied Mechanics and Materials, 2014, 693, 207-212.	0.2	1
24	The Mechanical Characteristics of 3D Printed Parts According to the Build Orientation. Applied Mechanics and Materials, 0, 474, 381-386.	0.2	9
25	Use of Composite Materials for FDM 3D Print Technology. Materials Science Forum, 0, 862, 174-181.	0.3	32