JiÅÃ- Å afka

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/604807/publications.pdf

Version: 2024-02-01

25	234	1307594 7	1125743 13
papers	citations	h-index	g-index

25	25	25	308
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Composite 3D printed scaffold with structured electrospun nanofibers promotes chondrocyte adhesion and infiltration. Cell Adhesion and Migration, 2018, 12, 271-285.	2.7	36
2	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
3	Use of Composite Materials for FDM 3D Print Technology. Materials Science Forum, 0, 862, 174-181.	0.3	32
4	3D printed bionic prosthetic hands. , 2017, , .		26
5	Normal and shear behaviours of the auxetic metamaterials: homogenisation and experimental approaches. Meccanica, 2019, 54, 831-839.	2.0	15
6	Development of the Structure of Cemented Carbides during Their Processing by SLM and HIP. Metals, 2020, 10, 1477.	2.3	15
7	Alumina Manufactured by Fused Filament Fabrication: A Comprehensive Study of Mechanical Properties and Porosity. Polymers, 2022, 14, 991.	4.5	14
8	Mechanical Properties of Polypropylene: Additive Manufacturing by Multi Jet Fusion Technology. Materials, 2021, 14, 2165.	2.9	12
9	The Mechanical Characteristics of 3D Printed Parts According to the Build Orientation. Applied Mechanics and Materials, 0, 474, 381-386.	0.2	9
10	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
11	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
12	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
13	Implementation of Non-Destructive Evaluation and Process Monitoring in DLP-based Additive Manufacturing. Open Engineering, 2017, 7, 100-105.	1.6	4
14	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
15	Use of Reverse Engineering Methods in the Field of Fashion Design. Applied Mechanics and Materials, 2014, 693, 189-194.	0.2	2
16	Properties of Models Produced by Direct Selective Laser Melting Technology. Applied Mechanics and Materials, 2014, 693, 231-236.	0.2	2
17	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
18	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

#	Article	IF	Citations
19	Optimal tool path searching and tool selection for machining of complex surfaces. , 2015, , .		1
20	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
21	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
22	SHAPE AND SIZE ACCURACY OF 3D-PRINTED ALSI12 PARTS. Acta Metallurgica Slovaca, 2015, 21, 278.	0.7	1
23	SELECTIVE LASER MELTING TECHNOLOGY AND INDIVIDUAL TI-6AL-4V IMPLANTS. MM Science Journal, 2019, 2019, 2867-2871.	0.4	1
24	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
25	Impact of Open Cell Bi-Component Structures on Distribution of Temperature Fields. Applied Mechanics and Materials, 2014, 693, 400-405.	0.2	0