

Additive manufacturing (3D printing): A review of material challenges

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Laser-aided direct metal tooling of manufacturing aviation details on CNC machine. IOP Conference Series: Materials Science and Engineering, 2018, 450, 032032.	0.3	5
2	Evaluation of the effects of controlled ultrasonic acetone vaporisation on Fused Deposition Modelling 3D Printed Acrylonitrile Butadiene Styrene. , 2018, , .		0
3	Evaluation of the effects of corona discharge plasma exposure proximity to Fused Deposition Modelling 3D Printed Acrylonitrile Butadiene Styrene. , 2018, , .		1
4	Review: Porous Metal Filters and Membranes for Oilâ€“Water Separation. Nanoscale Research Letters, 2018, 13, 284.	3.1	77
5	Innovative Methodology of On-Line Point Cloud Data Compression for Free-Form Surface Scanning Measurement. Applied Sciences (Switzerland), 2018, 8, 2556.	1.3	2
6	Mechanical properties of 3D printed polymer specimens. Procedia Structural Integrity, 2018, 10, 85-90.	0.3	43
7	The cost calculation method of construction 3D printing aligned with internet of things. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, .	1.5	17
8	Morphological, Rheological and Electromagnetic Properties of Nanocarbon/Poly(lactic) Acid for 3D Printing: Solution Blending vs. Melt Mixing. Materials, 2018, 11, 2256.	1.3	37
9	On the 3D printing of recycled ABS, PLA and HIPS thermoplastics for structural applications. PSU Research Review, 2018, 2, 115-137.	1.3	81
10	Control of Process Settings for Large-Scale Additive Manufacturing With Sustainable Natural Composites. , 2018, , .		1
11	Evaluation of dielectric properties of 3D printed objects based on printing resolution. IOP Conference Series: Materials Science and Engineering, 0, 461, 012091.	0.3	22
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13	Stabilization strategies in extrusion-based 3D bioprinting for tissue engineering. Applied Physics Reviews, 2018, 5, 041112.	5.5	44
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15	Application of Additive Layer Manufacturing Technique on the Development of High Sensitive Fiber Bragg Grating Temperature Sensors. Sensors, 2018, 18, 4120.	2.1	68
16	A Multiscale Analysis on the Superelasticity Behavior of Architected Shape Memory Alloy Materials. Materials, 2018, 11, 1746.	1.3	13
17	Exploration of specimen geometry and tab configuration for tensile testing exploiting the potential of 3D printing freeform shape continuous carbon fibre-reinforced nylon matrix composites. Polymer Testing, 2018, 71, 318-328.	2.3	57
18	Additive manufacturing: state of the art and potential for insect science. Current Opinion in Insect Science, 2018, 30, 79-85.	2.2	7

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20	Evaluation of postcuring process on the thermal and mechanical properties of the Clear02â„¢ resin used in stereolithography. <i>Polymer Testing</i> , 2018, 72, 115-121.	2.3	32
21	Prospect of 3D Printing for Recycling of Plastic Product to Minimize Environmental Pollution. , 2018, , 289-289.		3
22	3D gel-printing of Sr ferrite parts. <i>Ceramics International</i> , 2018, 44, 22370-22377.	2.3	28
23	3D Printing of Porous Scaffolds with Controlled Porosity and Pore Size Values. <i>Materials</i> , 2018, 11, 1532.	1.3	72
24	3D printing and medical imaging. <i>Journal of Medical Radiation Sciences</i> , 2018, 65, 171-172.	0.8	34
25	Novel 3D porous biocomposite scaffolds fabricated by fused deposition modeling and gas foaming combined technology. <i>Composites Part B: Engineering</i> , 2018, 152, 151-159.	5.9	99
26	Intelligent Fault Diagnosis of Delta 3D Printers Using Attitude Sensors Based on Support Vector Machines. <i>Sensors</i> , 2018, 18, 1298.	2.1	37
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