Kamaljit Singh Boparai

List of Publications by Year
in descending order

29 papers	789 citations	567281 15 h-index	839539 18 g-index
29 all docs	29 docs citations	29 times ranked	790 citing authors

#	Article	IF	Citations
1	Manufacturing techniques and applications of polymer matrix composites: a brief review. Advances in Materials and Processing Technologies, 2022, 8, 884-894.	1.4	18
2	Post-processing of ABS Replicas with Vapour Smoothing for Investment Casting Applications. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2022, 92, 97-102.	1.2	28
3	Influence of slicing parameters on selected mechanical properties of fused deposition modeling prints. Materials Today: Proceedings, 2022, 48, 1378-1382.	1.8	5
4	On characterization of rechargeable, flexible electrochemical energy storage device. , 2022, , 67-88.		2
5	Hydrothermal stimulus for 4D capabilities of PA6-Al-Al2O3 composite. , 2022, , 121-145.		0
6	Reinforced non-conventional material composites: a comprehensive review. Advances in Materials and Processing Technologies, 2021, 7, 333-342.	1.4	6
7	Nanomaterial in additive manufacturing for energy storage applications. , 2021, , 529-543.		3
8	Vapor smoothing process for surface finishing of FDM replicas. Materials Today: Proceedings, 2020, 26, 173-179.	1.8	19
9	Applications of Thermosetting Polymers in 3D Printing. , 2020, , .		0
10	Effect of Process Parameters of Fused Deposition Modeling and Vapour Smoothing on Surface Properties of ABS Replicas for Biomedical Applications. , 2019, , 227-249.		5
11	3D printed functional prototypes for electrochemical energy storage. International Journal of Materials Engineering Innovation, 2019, 10, 152.	0.5	7
12	Development of Rapid Tooling Using Fused Deposition Modeling. , 2019, , 251-277.		4
13	Multi Response Optimization and Process Capability Analysis of Fused Filament Fabrication and Chemical Vapor Smoothing Operations for Rapid Casting of Biomedical Implants. , 2019, , .		6
14	Investigations for Wax Coated 3D Printed Hybrid Patterns for Partial Dentures. , 2019, , .		0
15	Investigations for Enhancing Wear Properties of Rapid Tooling by Reinforcement of Nanoscale Fillers for Grinding Applications. Journal of Micro and Nano-Manufacturing, 2018, 6, .	0.7	18
16	Thermal and surface characterization of ABS replicas made by FDM for rapid tooling applications. Rapid Prototyping Journal, 2018, 24, 28-36.	3.2	23
17	Development and surface improvement of FDM pattern based investment casting of biomedical implants: A state of art review. Journal of Manufacturing Processes, 2018, 31, 80-95.	5.9	60
18	Dimensional accuracy analysis of coupled fused deposition modeling and vapour smoothing operations for biomedical applications. Composites Part B: Engineering, 2017, 117, 138-149.	12.0	119

#	Article	IF	Citations
19	Experimental Investigations for Wear Properties of Rapid Tooling With Nano Scale Fillers for Grinding Applications. , 2017, , .		0
20	Parametric optimization of fused deposition modeling and vapour smoothing processes for surface finishing of biomedical implant replicas. Measurement: Journal of the International Measurement Confederation, 2016, 94, 602-613.	5.0	34
21	Mathematical modelling of surface roughness for vapour processing of ABS parts fabricated with fused deposition modelling. Journal of Manufacturing Processes, 2016, 24, 161-169.	5.9	32
22	Modeling and optimization of extrusion process parameters for the development of Nylon6â€“Alâ€“Al2O3 alternative FDM filament. Progress in Additive Manufacturing, 2016, 1, 115-128.	4.8	34
23	Process optimization of single screw extruder for development of Nylon 6-Al-Al₂O₃ alternative FDM filament. Rapid Prototyping Journal, 2016, 22, 766-776.	3.2	21
24	Development of rapid tooling using fused deposition modeling: a review. Rapid Prototyping Journal, 2016, 22, 281-299.	3.2	165
25	Experimental investigations for development of Nylon6-Al-Al2O3 alternative FDM filament. Rapid Prototyping Journal, 2016, 22, 217-224.	3.2	44
26	Wear behavior of FDM parts fabricated by composite material feed stock filament. Rapid Prototyping Journal, 2016, 22, 350-357.	3.2	40
27	Comparison of tribological behaviour for Nylon6-Al-Al₂O₃and ABS parts fabricated by fused deposition modelling. Virtual and Physical Prototyping, 2015, 10, 59-66.	10.4	85
28	Experimental Investigations for Statistically Controlled Vacuum Moulding Solutions of Al-SiC MMC. Applied Mechanics and Materials, 0, 330, 91-95.	0.2	10
29	On decision making of reinforcement proportion in thermoplastic matrix based upon rheological properties: An overview. Advances in Materials and Processing Technologies, 0, , 1-14.	1.4	1