

Emmanouil Velidakis

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	On the Strain Rate Sensitivity of Fused Filament Fabrication (FFF) Processed PLA, ABS, PETG, PA6, and PP Thermoplastic Polymers. <i>Polymers</i> , 2020, 12, 2924.	4.5	91
2	Sustainable Additive Manufacturing: Mechanical Response of Polyamide 12 over Multiple Recycling Processes. <i>Materials</i> , 2021, 14, 466.	2.9	64
3	Sustainable Additive Manufacturing: Mechanical Response of Polypropylene over Multiple Recycling Processes. <i>Sustainability</i> , 2021, 13, 159.	3.2	51
4	Additive manufacturing of multifunctional polylactic acid (PLA) multiwalled carbon nanotubes (MWCNTs) nanocomposites. <i>Nanocomposites</i> , 2021, 7, 184-199.	4.2	40
5	Optimization of the Filler Concentration on Fused Filament Fabrication 3D Printed Polypropylene with Titanium Dioxide Nanocomposites. <i>Materials</i> , 2021, 14, 3076.	2.9	37
6	Fused Filament Fabrication 3D printed polypropylene/ alumina nanocomposites: Effect of filler loading on the mechanical reinforcement. <i>Polymer Testing</i> , 2022, 109, 107545.	4.8	34
7	Mechanical Performance of Fused Filament Fabricated and 3D-Printed Polycarbonate Polymer and Polycarbonate/Cellulose Nanofiber Nanocomposites. <i>Fibers</i> , 2021, 9, 74.	4.0	32
8	Strain Rate Sensitivity of Polycarbonate and Thermoplastic Polyurethane for Various 3D Printing Temperatures and Layer Heights. <i>Polymers</i> , 2021, 13, 2752.	4.5	26
9	Investigation of the Biocidal Performance of Multi-Functional Resin/Copper Nanocomposites with Superior Mechanical Response in SLA 3D Printing. <i>Biomimetics</i> , 2022, 7, 8.	3.3	24
10	On the Mechanical Response of Silicon Dioxide Nanofiller Concentration on Fused Filament Fabrication 3D Printed Isotactic Polypropylene Nanocomposites. <i>Polymers</i> , 2021, 13, 2029.	4.5	23
11	Polyamide 12/Multiwalled Carbon Nanotube and Carbon Black Nanocomposites Manufactured by 3D Printing Fused Filament Fabrication: A Comparison of the Electrical, Thermoelectric, and Mechanical Properties. <i>Journal of Carbon Research</i> , 2021, 7, 38.	2.7	18
12	Fused Filament Fabrication Three-Dimensional Printing Multi-Functional of Polylactic Acid/Carbon Black Nanocomposites. <i>Journal of Carbon Research</i> , 2021, 7, 52.	2.7	17
13	Medical-Grade Polyamide 12 Nanocomposite Materials for Enhanced Mechanical and Antibacterial Performance in 3D Printing Applications. <i>Polymers</i> , 2022, 14, 440.	4.5	17
14	Affordable Biocidal Ultraviolet Cured Cuprous Oxide Filled Vat Photopolymerization Resin Nanocomposites with Enhanced Mechanical Properties. <i>Biomimetics</i> , 2022, 7, 12.	3.3	12