Giuseppe Recca

List of Publications by Year
in descending order

31 papers	832 citations	516710 16 h-index	477307 29 g-index
31 all docs	31 docs citations	31 times ranked	976 citing authors

#	Article	IF	Citations
1	Specific Heat Capacity and Thermal Conductivity Measurements of PLA-Based 3D-Printed Parts with Milled Carbon Fiber Reinforcement. Entropy, 2022, 24, 654.	2.2	18
2	Additive Manufacturing Processing of Plastics for Mass Production of Composites Tooling: Technical and Economic Analysis. Macromolecular Symposia, 2021, 395, .	0.7	3
3	Kinetic Study of the Thermal Dehydration of Fly Ash Filled Geopolymers. Macromolecular Symposia, 2021, 395, .	0.7	5
4	Thermo-mechanical, antimicrobial and biocompatible properties of PVC blends based on imidazolium ionic liquids. Materials Science and Engineering C, 2021, 122, 111920.	7.3	15
5	Mechanical, Wear and Thermal Behavior of Polyethylene Blended with Graphite Treated in Ball Milling. Polymers, 2021, 13, 975.	4.5	4
6	Influence of the Processing Conditions on the Mechanical Performance of Sustainable Bio-Based PLA Compounds. Polymers, 2020, 12, 2197.	4.5	17
7	Synthesis and Characterization of Copoly(Ether Sulfone)s with Different Percentages of Diphenolic Acid Units. Polymers, 2020, 12, 1817.	4.5	6
8	3D-Printed micro-optofluidic device for chemical fluids and cells detection. Biomedical Microdevices, 2020, 22, 37.	2.8	13
9	Mechanical and thermal properties of fly ash-filled geopolymers. Journal of Thermal Analysis and Calorimetry, 2019, 138, 3267-3276.	3.6	34
10	A Novel Composite Material for Foldable Building Envelopes. Sustainability, 2019, 11, 4684.	3.2	5
11	Interlaminar Toughening of Epoxy Carbon Fiber Reinforced Laminates: Soluble Versus Non-Soluble Veils. Polymers, 2019, 11, 1029.	4.5	17
12	Strength, fracture and compression properties of gelatins by a new 3D printed tool. Journal of Food Engineering, 2018, 220, 38-48.	5.2	21
13	Comparison of Ultem 9085 Used in Fused Deposition Modelling (FDM) with Polytherimide Blends. Materials, 2018, 11, 285.	2.9	67
14	Controlled and sustained release of a corticosteroid drug from block copolymers synthetized by ATRP. Polymer Engineering and Science, 2017, 57, 570-578.	3.1	3
15	Investigation on Structure and Thermomechanical Processing of Biobased Polymer Blends. Journal of Polymers and the Environment, 2017, 25, 750-758.	5.0	10
16	Engineering Thermoplastics for Additive Manufacturing: A Critical Perspective with Experimental Evidence to Support Functional Applications. Journal of Applied Biomaterials and Functional Materials, 2017, 15, 10-18.	1.6	67
17	Poly-Paper: A Sustainable Material for Packaging, Based on Recycled Paper and Recyclable with Paper. Journal of Applied Biomaterials and Functional Materials, 2016, 14, 490-495.	1.6	6
18	Micro-optofluidic switch realized by 3D printing technology. Microfluidics and Nanofluidics, 2016, 20, 1.	2.2	28

#	Article	IF	Citations
19	Environmental benefits of using ground tyre rubber in new pneumatic formulations: A life cycle assessment approach. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2015, 229, 309-317.	1.1	3
20	Reactive melt mixing of PC/PEN blend. Structural characterization of reaction products. Polymer, 2015, 74, 108-123.	3.8	8
21	Bio-based versus traditional polymer composites. A life cycle assessment perspective. Journal of Cleaner Production, 2014, 74, 135-144.	9.3	115
22	Hexachiral truss-core with twisted hemp yarns: Out-of-plane shear properties. Composite Structures, 2012, 94, 3556-3562.	5.8	41
23	Adjustable and negative thermal expansion from multilayered systems. Physica Status Solidi - Rapid Research Letters, 2010, 4, 133-135.	2.4	26
24	Hexagonal Honeycombs with Zero Poisson's Ratios and Enhanced Stiffness. Advanced Engineering Materials, 2010, 12, 855-862.	3.5	140
25	Thermomechanical and morphological properties of epoxy blends with hyperbranched polyester: Effect of the pseudoâ€generation number. Journal of Applied Polymer Science, 2010, 115, 1395-1406.	2.6	14
26	Development of epoxy/hyperbranched blends for resin transfer molding and vacuum assisted resin transfer molding applications: Effect of a reactive diluent. Polymer Engineering and Science, 2009, 49, 577-584.	3.1	17
27	The influence of chainâ€ends on the thermal and rheological properties of some 40/60 PES/PEES copolymers. Polymer Engineering and Science, 2009, 49, 1477-1483.	3.1	31
28	Studies on epoxy blends modified with a hyperbranched polyester. Polymer Engineering and Science, 2008, 48, 2382-2388.	3.1	23
29	Synthesis and Thermal Characterization of Some Novel ABA Block Copolymers. Macromolecular Materials and Engineering, 2007, 292, 588-597.	3.6	8
30	Study on epoxy/thermoplastic blends based on the addition of a novel aromatic block copolymer. Polymer Engineering and Science, 2007, 47, 2027-2033.	3.1	18
31	Thermomechanical and morphological properties of epoxy resins modified with functionalized hyperbranched polyester. Polymer Engineering and Science, 2006, 46, 1502-1511.	3.1	49