

Giuseppe Recca

List of Publications by Year in descending order

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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	Hexagonal Honeycombs with Zero Poisson's Ratios and Enhanced Stiffness. <i>Advanced Engineering Materials</i> , 2010, 12, 855-862.	3.5	140
2	Bio-based versus traditional polymer composites. A life cycle assessment perspective. <i>Journal of Cleaner Production</i> , 2014, 74, 135-144.	9.3	115
3	Engineering Thermoplastics for Additive Manufacturing: A Critical Perspective with Experimental Evidence to Support Functional Applications. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2017, 15, 10-18.	1.6	67
4	Comparison of Ultem 9085 Used in Fused Deposition Modelling (FDM) with Polytherimide Blends. <i>Materials</i> , 2018, 11, 285.	2.9	67
5	Thermomechanical and morphological properties of epoxy resins modified with functionalized hyperbranched polyester. <i>Polymer Engineering and Science</i> , 2006, 46, 1502-1511.	3.1	49
6	Hexachiral truss-core with twisted hemp yarns: Out-of-plane shear properties. <i>Composite Structures</i> , 2012, 94, 3556-3562.	5.8	41
7	Mechanical and thermal properties of fly ash-filled geopolymers. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 3267-3276.	3.6	34
8	The influence of chain ends on the thermal and rheological properties of some 40/60 PES/PEES copolymers. <i>Polymer Engineering and Science</i> , 2009, 49, 1477-1483.	3.1	31
9	Micro-optofluidic switch realized by 3D printing technology. <i>Microfluidics and Nanofluidics</i> , 2016, 20, 1.	2.2	28
10	Adjustable and negative thermal expansion from multilayered systems. <i>Physica Status Solidi - Rapid Research Letters</i> , 2010, 4, 133-135.	2.4	26
11	Studies on epoxy blends modified with a hyperbranched polyester. <i>Polymer Engineering and Science</i> , 2008, 48, 2382-2388.	3.1	23
12	Strength, fracture and compression properties of gelatins by a new 3D printed tool. <i>Journal of Food Engineering</i> , 2018, 220, 38-48.	5.2	21
13	Study on epoxy/thermoplastic blends based on the addition of a novel aromatic block copolymer. <i>Polymer Engineering and Science</i> , 2007, 47, 2027-2033.	3.1	18
14	Specific Heat Capacity and Thermal Conductivity Measurements of PLA-Based 3D-Printed Parts with Milled Carbon Fiber Reinforcement. <i>Entropy</i> , 2022, 24, 654.	2.2	18
15	Development of epoxy/hyperbranched blends for resin transfer molding and vacuum assisted resin transfer molding applications: Effect of a reactive diluent. <i>Polymer Engineering and Science</i> , 2009, 49, 577-584.	3.1	17
16	Interlaminar Toughening of Epoxy Carbon Fiber Reinforced Laminates: Soluble Versus Non-Soluble Veils. <i>Polymers</i> , 2019, 11, 1029.	4.5	17
17	Influence of the Processing Conditions on the Mechanical Performance of Sustainable Bio-Based PLA Compounds. <i>Polymers</i> , 2020, 12, 2197.	4.5	17
18	Thermo-mechanical, antimicrobial and biocompatible properties of PVC blends based on imidazolium ionic liquids. <i>Materials Science and Engineering C</i> , 2021, 122, 111920.	7.3	15

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19	Thermomechanical and morphological properties of epoxy blends with hyperbranched polyester: Effect of the pseudo-generation number. <i>Journal of Applied Polymer Science</i> , 2010, 115, 1395-1406.	2.6	14
20	3D-Printed micro-optofluidic device for chemical fluids and cells detection. <i>Biomedical Microdevices</i> , 2020, 22, 37.	2.8	13
21	Investigation on Structure and Thermomechanical Processing of Biobased Polymer Blends. <i>Journal of Polymers and the Environment</i> , 2017, 25, 750-758.	5.0	10
22	Synthesis and Thermal Characterization of Some Novel ABA Block Copolymers. <i>Macromolecular Materials and Engineering</i> , 2007, 292, 588-597.	3.6	8
23	Reactive melt mixing of PC/PEN blend. Structural characterization of reaction products. <i>Polymer</i> , 2015, 74, 108-123.	3.8	8
24	Poly-Paper: A Sustainable Material for Packaging, Based on Recycled Paper and Recyclable with Paper. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2016, 14, 490-495.	1.6	6
25	Synthesis and Characterization of Copoly(Ether Sulfone)s with Different Percentages of Diphenolic Acid Units. <i>Polymers</i> , 2020, 12, 1817.	4.5	6
26	A Novel Composite Material for Foldable Building Envelopes. <i>Sustainability</i> , 2019, 11, 4684.	3.2	5
27	Kinetic Study of the Thermal Dehydration of Fly Ash Filled Geopolymers. <i>Macromolecular Symposia</i> , 2021, 395, .	0.7	5
28	Mechanical, Wear and Thermal Behavior of Polyethylene Blended with Graphite Treated in Ball Milling. <i>Polymers</i> , 2021, 13, 975.	4.5	4
29	Environmental benefits of using ground tyre rubber in new pneumatic formulations: A life cycle assessment approach. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2015, 229, 309-317.	1.1	3
30	Controlled and sustained release of a corticosteroid drug from block copolymers synthesized by ATRP. <i>Polymer Engineering and Science</i> , 2017, 57, 570-578.	3.1	3
31	Additive Manufacturing Processing of Plastics for Mass Production of Composites Tooling: Technical and Economic Analysis. <i>Macromolecular Symposia</i> , 2021, 395, .	0.7	3