Daniele Battegazzore

List of Publications by Year in Descending Order

31 papers	896 citations	19 h-index	29 g-index
33 ext. papers	1,087 ext. citations	5.9 avg, IF	4.86 L-index

#	Paper	IF	Citations
31	Development of disposable filtering mask recycled materials: Impact of blending with recycled mixed polyolefin and their aging stability. *Resources, Conservation and Recycling*, **2022**, 177, 105974	11.9	0
30	Flexible and High Thermal Conductivity Composites Based on Graphite Nanoplates Paper Impregnated with Polydimethylsiloxane. *Journal of Composites Science*, **2021**, 5, 309	3	2
29	Designing 3D printable polypropylene: Material and process optimisation through rheology. *Additive Manufacturing*, **2021**, 40, 101944	6.1	8
28	Dissipative Dynamics of Polymer Phononic Materials. *Advanced Functional Materials*, **2021**, 31, 2103424	15.6	4
27	3D Printing of PDMS-Like Polymer Nanocomposites with Enhanced Thermal Conductivity: Boron Nitride Based Photocuring System. *Nanomaterials*, **2021**, 11,	5.4	17
26	Synthesis and characterization of a novel star polycaprolactone to be applied in the development of graphite nanoplates-based nanopapers. *Reactive and Functional Polymers*, **2021**, 167, 105019	4.6	1
25	Properties of Graphene-Related Materials Controlling the Thermal Conductivity of Their Polymer Nanocomposites. *Nanomaterials*, **2020**, 10,	5.4	7
24	Is it Possible to Mechanical Recycle the Materials of the Disposable Filtering Masks?. *Polymers*, **2020** , 12,	4.5	31
23	Layer-by-Layer nanostructured interphase produces mechanically strong and flame retardant bio-composites. *Composites Part B: Engineering*, **2020**, 200, 108310	10	20
22	Thermal and UV aging of polypropylene stabilized by wine seeds wastes and their extracts. *Polymer Degradation and Stability*, **2019**, 165, 49-59	4.7	19
21	Natural wastes as particle filler for poly(lactic acid)-based composites. *Journal of Composite Materials*, **2019**, 53, 783-797	2.7	31
20	Reactive extrusion of sol-gel silica as fire retardant synergistic additive in ethylene-vinyl acetate copolymer (EVA) composites. *Polymer Degradation and Stability*, **2019**, 167, 259-268	4.7	9
19	Bio-based PA5.10 for Industrial Applications: Improvement of Barrier and Thermo-mechanical Properties with Rice Husk Ash and Nanoclay. *Journal of Polymers and the Environment*, **2019**, 27, 2213-2223	4.5	4
18	Mechanical and Barrier Properties Enhancement in Film Extruded Bio-Polyamides With Modified Nanoclay. *Polymer Composites*, **2019**, 40, 2617-2628	3	8
17	Hemp hurd and alfalfa as particle filler to improve the thermo-mechanical and fire retardant properties of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate). *Polymer Composites*, **2019**, 40, 3429-3437	3	21
16	Multilayer cotton fabric bio-composites based on PLA and PHB copolymer for industrial load carrying applications. *Composites Part B: Engineering*, **2019**, 163, 761-768	10	26
15	Epoxy coupling agent for PLA and PHB copolymer-based cotton fabric bio-composites. *Composites Part B: Engineering*, **2018**, 148, 188-197	10	33

14	All Natural High-Density Fiber- and Particleboards from Hemp Fibers or Rice Husk Particles. *Journal of Polymers and the Environment*, **2018**, 26, 1652-1660	4.5	21
13	Sustainable and High Performing Biocomposites with Chitosan/Sepiolite Layer-by-Layer Nanoengineered Interphases. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 9601-9605	8.3	33
12	Reuse and Valorisation of Hemp Fibres and Rice Husk Particles for Fire Resistant Fibreboards and Particleboards. *Journal of Polymers and the Environment*, **2018**, 26, 3731-3744	4.5	13
11	Layer by Layer-functionalized rice husk particles: A novel and sustainable solution for particleboard production. *Materials Today Communications*, **2017**, 13, 92-101	2.5	19
10	Thermomechanical improvement of glycerol plasticized maize starch with high loading of cellulose, flax and talc fillers. *Polymer International*, **2016**, 65, 955-962	3.3	9
9	Thermo-mechanical properties enhancement of bio-polyamides (PA10.10 and PA6.10) by using rice husk ash and nanoclay. *Composites Part A: Applied Science and Manufacturing*, **2016**, 81, 193-201	8.4	31
8	Isosorbide, a green plasticizer for thermoplastic starch that does not retrogradate. *Carbohydrate Polymers*, **2015**, 119, 78-84	10.3	32
7	Bulk vs. surface flame retardancy of fully bio-based polyamide 10,10. *RSC Advances*, **2015**, 5, 39424-39432	3.7	24
6	Cellulose extracted from rice husk as filler for poly(lactic acid): preparation and characterization. *Cellulose*, **2014**, 21, 1813-1821	5.5	50
5	Rice husk as bio-source of silica: preparation and characterization of PLA–silica bio-composites. *RSC Advances*, **2014**, 4, 54703-54712	3.7	64
4	Plasticizers, antioxidants and reinforcement fillers from hazelnut skin and cocoa by-products: Extraction and use in PLA and PP. *Polymer Degradation and Stability*, **2014**, 108, 297-306	4.7	36
3	Poly(lactic acid)-Based Composites Containing Natural Fillers: Thermal, Mechanical and Barrier Properties. *Journal of Polymers and the Environment*, **2014**, 22, 88-98	4.5	52
2	Crystallization kinetics of poly(lactic acid)-talc composites. *EXPRESS Polymer Letters*, **2011**, 5, 849-858	3.4	236
1	Poly (butylensuccinate co-adipate)-thermoplastic starch nanocomposite blends. *Carbohydrate Polymers*, **2010**, 82, 802-808	10.3	34