Francesca Signori

List of Publications by Year
in descending order

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37 papers	1,468 citations	394421 19 h-index	361022 35 g-index
38 all docs	38 docs citations	38 times ranked	2069 citing authors

#	Article	IF	Citations
1	Thermal degradation of poly(lactic acid) (PLA) and poly(butylene adipate-co-terephthalate) (PBAT) and their blends upon melt processing. Polymer Degradation and Stability, 2009, 94, 74-82.	5.8	370
2	Bis(benzoxazolyl)stilbene excimers as temperature and deformation sensors for biodegradable poly(1,4-butylene succinate) films. Journal of Materials Chemistry, 2007, 17, 783-790.	6.7	193
3	Poly(lactic acid) properties as a consequence of poly(butylene adipateâ€coâ€terephthalate) blending and acetyl tributyl citrate plasticization. Journal of Applied Polymer Science, 2008, 110, 1250-1262.	2.6	110
4	Isothermal Coldâ€Crystallization of PLA/PBAT Blends With and Without the Addition of Acetyl Tributyl Citrate. Macromolecular Chemistry and Physics, 2012, 213, 36-48.	2.2	88
5	Ageing and oxidative stress: A role for dolichol in the antioxidant machinery of cell membranes?. Journal of Alzheimer's Disease, 2004, 6, 129-135.	2.6	55
6	State-of-the-Art Production Chains for Peas, Beans and Chickpeasâ€"Valorization of Agro-Industrial Residues and Applications of Derived Extracts. Molecules, 2020, 25, 1383.	3.8	55
7	Cosmetic Packaging to Save the Environment: Future Perspectives. Cosmetics, 2019, 6, 26.	3.3	53
8	Evidences of Transesterification, Chain Branching and Crossâ€Linking in a Biopolyester Commercial Blend upon Reaction with Dicumyl Peroxide in the Melt. Macromolecular Materials and Engineering, 2015, 300, 153-160.	3.6	49
9	Amorphous/crystal and polymer/filler interphases in biocomposites from poly(butylene succinate). Thermochimica Acta, 2012, 543, 74-81.	2.7	43
10	New self-assembling biocompatibleâ€"biodegradable amphiphilic block copolymers. Polymer, 2005, 46, 9642-9652.	3.8	40
11	Threshold temperature luminescent indicators from biodegradable poly(lactic acid)/poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock	6.7	38
12	Synthesis and properties of glycerylimidazolium based ionic liquids: a promising class of task-specific ionic liquids. Green Chemistry, 2009, 11, 622.	9.0	36
13	Thermal, Mechanical and Micromechanical Analysis of PLA/PBAT/POE-g-GMA Extruded Ternary Blends. Frontiers in Materials, 2020, 7, .	2.4	35
14	High-Resolution Poly(ethylene terephthalate) (PET) Hot Embossing at Low Temperature: Thermal, Mechanical, and Optical Analysis of Nanopatterned Films. Langmuir, 2008, 24, 12581-12586.	3.5	33
15	Copolymers of Isopropenyl Alkyl Ethers with Fluorinated Acrylates and Fluoroacrylates:Â Influence of Fluorine on Their Thermal, Photochemical, and Hydrolytic Stability. Macromolecules, 2006, 39, 1749-1758.	4.8	27
16	Utilization of coffee silverskin in the production of Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) biopolymer-based thermoplastic biocomposites for food contact applications. Composites Part A: Applied Science and Manufacturing, 2021, 140, 106172.	7.6	27
17	Novel (Glycerol)borate-Based Ionic Liquids: An Experimental and Theoretical Study. Journal of Physical Chemistry B, 2010, 114, 5082-5088.	2.6	25
18	New perspectives for (S)-dolichol and (S)-nordolichol synthesis and biological functions. Biogerontology, 2003, 4, 353-363.	3.9	23

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19	Synthesis and thermal properties of hetero-bifunctional PLA oligomers and their stereocomplexes. Reactive and Functional Polymers, 2013, 73, 30-38.	4.1	23
20	Monomers, Materials and Energy from Coffee By-Products: A Review. Sustainability, 2021, 13, 6921.	3.2	20
21	MMT and LDH organo-modification with surfactants tailored for PLA nanocomposites. EXPRESS Polymer Letters, 2017, 11, 163-175.	2.1	16
22	Nanoparticle systems for the targeted release of active principles of proteic nature. Journal of Materials Science: Materials in Medicine, 2003, 14, 705-711.	3.6	14
23	The unique optical behaviour of bioâ€related materials with organic chromophores. Polymer International, 2013, 62, 22-32.	3.1	13
24	Compatibilization of Poly(Lactic Acid) (PLA)/Plasticized Cellulose Acetate Extruded Blends through the Addition of Reactively Extruded Comb Copolymers. Molecules, 2021, 26, 2006.	3.8	12
25	Novel Partially Fluorinated Copolymers: Evidence of the Effect of Fluorine on the Reactivity of the Unfluorinated Comonomer Units. Macromolecular Rapid Communications, 2005, 26, 75-81.	3.9	10
26	Radical functionalization of poly(butylene succinate-co-adipate): Effect of cinnamic co-agents on maleic anhydride grafting. Polymer, 2011, 52, 4656-4663.	3.8	9
27	Dolichol: a solar filter with UV-absorbing properties which can be photoenhanced. Biogerontology, 2003, 4, 379-386.	3.9	8
28	Colour responsive smart polymers and biopolymers films through nanodispersion of organic chromophores and metal particles. Progress in Organic Coatings, 2011, 72, 21-25.	3.9	8
29	Introducing small cationic groups into 4-armed PLLAâ€“PEG copolymers leads to preferred micellization over thermo-reversible gelation. Polymer, 2013, 54, 6894-6901.	3.8	8
30	Synthesis and Characterization of Segmented Poly(ether ester)s Containing H-Bonding Units. Macromolecular Chemistry and Physics, 2003, 204, 1971-1981.	2.2	7
31	An Artificial Disc: Chemical and Biomechanical Analysis. Macromolecular Symposia, 2008, 266, 74-80.	0.7	7
32	Overview of Agro-Food Waste and By-Products Valorization for Polymer Synthesis and Modification for Bio-Composite Production. Proceedings (mdpi), 2020, 69, .	0.2	5
33	Multifunctional polyesters as new candidate materials for biomedical applications. Synthesis and structural characterization. Macromolecular Symposia, 2003, 197, 289-302.	0.7	4
34	Segmented Multifunctional Poly(ether ester) Polymers Containing H-Bonding Units. Preparation and Characterization. Macromolecular Chemistry and Physics, 2004, 205, 1299-1308.	2.2	3
35	Development of new PLA-based biodegradable compounds. AIP Conference Proceedings, 2012, , .	0.4	1
36	Segmented Polyetheresters Containing Hydrogen Bonding Units. , 2003, , 261-271.		0

#	Article	IF	Citations
37	Micelles from new biodegradable amphiphilic block copolymers containing PEG AND PCL. Journal of Controlled Release, 2005, 101, 379-81.	9.9	0