

Francesca Signori

List of Publications by Year in descending order

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37
papers

1,468
citations

393982

19
h-index

360668

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. <i>Polymer Degradation and Stability</i> , 2009, 94, 74-82.	2.7	370
2	Bis(benzoxazolyl)stilbene excimers as temperature and deformation sensors for biodegradable poly(1,4-butylene succinate) films. <i>Journal of Materials Chemistry</i> , 2007, 17, 783-790.	6.7	193
3	Poly(lactic acid) properties as a consequence of poly(butylene adipate-co-terephthalate) blending and acetyl tributyl citrate plasticization. <i>Journal of Applied Polymer Science</i> , 2008, 110, 1250-1262.	1.3	110
4	Isothermal Cold-Crystallization of PLA/PBAT Blends With and Without the Addition of Acetyl Tributyl Citrate. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 36-48.	1.1	88
5	Ageing and oxidative stress: A role for dolichol in the antioxidant machinery of cell membranes?. <i>Journal of Alzheimer's Disease</i> , 2004, 6, 129-135.	1.2	55
6	State-of-the-Art Production Chains for Peas, Beans and Chickpeas – Valorization of Agro-Industrial Residues and Applications of Derived Extracts. <i>Molecules</i> , 2020, 25, 1383.	1.7	55
7	Cosmetic Packaging to Save the Environment: Future Perspectives. <i>Cosmetics</i> , 2019, 6, 26.	1.5	53
8	Evidences of Transesterification, Chain Branching and Cross-Linking in a Biopolyester Commercial Blend upon Reaction with Dicumyl Peroxide in the Melt. <i>Macromolecular Materials and Engineering</i> , 2015, 300, 153-160.	1.7	49
9	Amorphous/crystal and polymer/filler interphases in biocomposites from poly(butylene succinate). <i>Thermochimica Acta</i> , 2012, 543, 74-81.	1.2	43
10	New self-assembling biocompatible “biodegradable amphiphilic block copolymers. <i>Polymer</i> , 2005, 46, 9642-9652.	1.8	40
11	Threshold temperature luminescent indicators from biodegradable poly(lactic acid)/poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlook	6.7	38
12	Synthesis and properties of glycerylimidazolium based ionic liquids: a promising class of task-specific ionic liquids. <i>Green Chemistry</i> , 2009, 11, 622.	4.6	36
13	Thermal, Mechanical and Micromechanical Analysis of PLA/PBAT/POE-g-GMA Extruded Ternary Blends. <i>Frontiers in Materials</i> , 2020, 7, .	1.2	35
14	High-Resolution Poly(ethylene terephthalate) (PET) Hot Embossing at Low Temperature: Thermal, Mechanical, and Optical Analysis of Nanopatterned Films. <i>Langmuir</i> , 2008, 24, 12581-12586.	1.6	33
15	Copolymers of Isopropenyl Alkyl Ethers with Fluorinated Acrylates and Fluoroacrylates: Influence of Fluorine on Their Thermal, Photochemical, and Hydrolytic Stability. <i>Macromolecules</i> , 2006, 39, 1749-1758.	2.2	27
16	Utilization of coffee silverskin in the production of Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) biopolymer-based thermoplastic biocomposites for food contact applications. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 140, 106172.	3.8	27
17	Novel (Glycerol)borate-Based Ionic Liquids: An Experimental and Theoretical Study. <i>Journal of Physical Chemistry B</i> , 2010, 114, 5082-5088.	1.2	25
18	New perspectives for (S)-dolichol and (S)-nordolichol synthesis and biological functions. <i>Biogerontology</i> , 2003, 4, 353-363.	2.0	23

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19	Synthesis and thermal properties of hetero-bifunctional PLA oligomers and their stereocomplexes. <i>Reactive and Functional Polymers</i> , 2013, 73, 30-38.	2.0	23
20	Monomers, Materials and Energy from Coffee By-Products: A Review. <i>Sustainability</i> , 2021, 13, 6921.	1.6	20
21	MMT and LDH organo-modification with surfactants tailored for PLA nanocomposites. <i>EXPRESS Polymer Letters</i> , 2017, 11, 163-175.	1.1	16
22	Nanoparticle systems for the targeted release of active principles of proteic nature. <i>Journal of Materials Science: Materials in Medicine</i> , 2003, 14, 705-711.	1.7	14
23	The unique optical behaviour of bio-related materials with organic chromophores. <i>Polymer International</i> , 2013, 62, 22-32.	1.6	13
24	Compatibilization of Poly(Lactic Acid) (PLA)/Plasticized Cellulose Acetate Extruded Blends through the Addition of Reactively Extruded Comb Copolymers. <i>Molecules</i> , 2021, 26, 2006.	1.7	12
25	Novel Partially Fluorinated Copolymers: Evidence of the Effect of Fluorine on the Reactivity of the Unfluorinated Comonomer Units. <i>Macromolecular Rapid Communications</i> , 2005, 26, 75-81.	2.0	10
26	Radical functionalization of poly(butylene succinate-co-adipate): Effect of cinnamic co-agents on maleic anhydride grafting. <i>Polymer</i> , 2011, 52, 4656-4663.	1.8	9
27	Dolichol: a solar filter with UV-absorbing properties which can be photoenhanced. <i>Biogerontology</i> , 2003, 4, 379-386.	2.0	8
28	Colour responsive smart polymers and biopolymers films through nanodispersion of organic chromophores and metal particles. <i>Progress in Organic Coatings</i> , 2011, 72, 21-25.	1.9	8
29	Introducing small cationic groups into 4-armed PLLA-PEG copolymers leads to preferred micellization over thermo-reversible gelation. <i>Polymer</i> , 2013, 54, 6894-6901.	1.8	8
30	Synthesis and Characterization of Segmented Poly(ether ester)s Containing H-Bonding Units. <i>Macromolecular Chemistry and Physics</i> , 2003, 204, 1971-1981.	1.1	7
31	An Artificial Disc: Chemical and Biomechanical Analysis. <i>Macromolecular Symposia</i> , 2008, 266, 74-80.	0.4	7
32	Overview of Agro-Food Waste and By-Products Valorization for Polymer Synthesis and Modification for Bio-Composite Production. <i>Proceedings (mdpi)</i> , 2020, 69, .	0.2	5
33	Multifunctional polyesters as new candidate materials for biomedical applications. Synthesis and structural characterization. <i>Macromolecular Symposia</i> , 2003, 197, 289-302.	0.4	4
34	Segmented Multifunctional Poly(ether ester) Polymers Containing H-Bonding Units. Preparation and Characterization. <i>Macromolecular Chemistry and Physics</i> , 2004, 205, 1299-1308.	1.1	3
35	Development of new PLA-based biodegradable compounds. <i>AIP Conference Proceedings</i> , 2012, , .	0.3	1
36	Segmented Polyetheresters Containing Hydrogen Bonding Units. , 2003, , 261-271.		0

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37	Micelles from new biodegradable amphiphilic block copolymers containing PEG AND PCL. Journal of Controlled Release, 2005, 101, 379-81.	4.8	0