Grazia Totaro

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5931405/publications.pdf

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40	972	394421	477307
papers	citations	19 h-index	29 g-index

41	41	41	1195
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biowaste biorefinery in Europe: opportunities and research & development needs. New Biotechnology, 2015, 32, 100-108.	4.4	162
2	Evaluation of the retting process as a pre-treatment of vegetable fibers for the preparation of high-performance polymer biocomposites. Industrial Crops and Products, 2016, 81, 56-65.	5.2	55
3	Synthesis of castor oil-derived polyesters with antimicrobial activity. European Polymer Journal, 2014, 56, 174-184.	5.4	53
4	End of Life of Biodegradable Plastics: Composting versus Re/Upcycling. ChemSusChem, 2021, 14, 4167-4175.	6.8	49
5	Formulation of Green Particulate Composites from PLA and PBS Matrix and Wastes Deriving from the Coffee Production. Journal of Polymers and the Environment, 2019, 27, 1488-1496.	5.0	37
6	Multicomponent reinforcing system for poly(butylene succinate): Composites containing poly(l-lactide) electrospun mats loaded with graphene. Polymer Testing, 2016, 50, 283-291.	4.8	35
7	Current Advances in the Sustainable Conversion of 5â€Hydroxymethylfurfural into 2,5â€Furandicarboxylic Acid. ChemSusChem, 2022, 15, .	6.8	35
8	Marinobacter sp. from marine sediments produce highly stable surface-active agents for combatting marine oil spills. Microbial Cell Factories, 2017, 16, 186.	4.0	32
9	Biobased Vanillic Acid and Ricinoleic Acid: Building Blocks for Fully Renewable Copolyesters. Journal of Renewable Materials, 2018, 6, 126-135.	2.2	32
10	Enzymatic Degradation of the Most Common Aliphatic Bio-Polyesters and Evaluation of the Mechanisms Involved: An Extended Study. Polymers, 2022, 14, 1850.	4.5	32
11	Effect of 1,4â€cyclohexylene units on thermal properties of poly(1,4â€cyclohexylenedimethylene adipate) and similar aliphatic polyesters. Polymer International, 2013, 62, 1210-1217.	3.1	30
12	A new route of valorization of rice endosperm by-product: Production of polymeric biocomposites. Composites Part B: Engineering, 2018, 139, 195-202.	12.0	29
13	Poly(butylene succinate) bionanocomposites: a novel bio-organo-modified layered double hydroxide for superior mechanical properties. RSC Advances, 2016, 6, 4780-4791.	3.6	27
14	Poly(butylene succinate)/layered double hydroxide bionanocomposites: Relationships between chemical structure of LDH anion, delamination strategy, and final properties. Journal of Applied Polymer Science, 2013, 130, 1931-1940.	2.6	25
15	The development of antibacterial and hydrophobic functionalities in natural fibers for fiber-reinforced composite materials. Journal of Environmental Chemical Engineering, 2016, 4, 1743-1752.	6.7	25
16	X-ray diffraction and rheology cross-study of polymer chain penetrating surfactant tethered layered double hydroxide resulting into intermixed structure with polypropylene, poly(butylene)succinate and poly(dimethyl)siloxane. Applied Clay Science, 2014, 100, 102-111.	5.2	22
17	Dual chain extension effect and antibacterial properties of biomolecules interleaved within LDH dispersed into PBS by in situ polymerization. Dalton Transactions, 2018, 47, 3155-3165.	3.3	21
18	Organo-modified LDH fillers endowing multi-functionality to bio-based poly(butylene succinate): An extended study from the laboratory to possible market. Applied Clay Science, 2020, 188, 105502.	5.2	21

#	Article	IF	Citations
19	Valorization of wheat bran agro-industrial byproduct as an upgrading filler for mycelium-based composite materials. Industrial Crops and Products, 2021, 170, 113742.	5.2	21
20	Enzymatically treated curaua fibers in poly(butylene succinate)-based biocomposites. Journal of Environmental Chemical Engineering, 2018, 6, 4452-4458.	6.7	20
21	Monomers, Materials and Energy from Coffee By-Products: A Review. Sustainability, 2021, 13, 6921.	3.2	20
22	Bio-Based PA11/Graphene Nanocomposites Prepared by In Situ Polymerization. Journal of Nanoscience and Nanotechnology, 2018, 18, 1169-1175.	0.9	16
23	TiO2 deposition on the surface of activated fluoropolymer substrate. Thin Solid Films, 2012, 520, 2824-2828.	1.8	15
24	Chain extender effect of 3-(4-hydroxyphenyl)propionic acid/layered double hydroxide in PBS bionanocomposites. European Polymer Journal, 2017, 94, 20-32.	5.4	15
25	Antibacterial coatings on poly(fluoroethylenepropylene) films via grafting of 3-hexadecyl-1-vinylimidazolium bromide. Progress in Organic Coatings, 2012, 73, 257-263.	3.9	14
26	A new valorization route for Olive Mill wastewater: Improvement of durability of PP and PBS composites through multifunctional hybrid systems. Journal of Environmental Chemical Engineering, 2019, 7, 103026.	6.7	12
27	Photodegradation of TiO2 composites based on polyesters. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 321, 275-283.	3.9	11
28	Use of ionic liquids based on phosphonium salts for preparing biocomposites by in situ polymerization. Journal of Applied Polymer Science, 2015, 132, .	2.6	10
29	Olive Mill Wastewater Valorization in Multifunctional Biopolymer Composites for Antibacterial Packaging Application. International Journal of Molecular Sciences, 2019, 20, 2376.	4.1	10
30	Outstanding chain-extension effect and high UV resistance of polybutylene succinate containing amino-acid-modified layered double hydroxides. Beilstein Journal of Nanotechnology, 2019, 10, 684-695.	2.8	10
31	Composites for Â« white and green Â» solutions: Coupling UV resistance and chain extension effect from poly(butylene succinate) and layered double hydroxides composites. Journal of Solid State Chemistry, 2018, 268, 9-15.	2.9	9
32	Electrospun Fibers Containing Bioâ€Based Ricinoleic Acid: Effect of Amount and Distribution of Ricinoleic Acid Unit on Antibacterial Properties. Macromolecular Materials and Engineering, 2015, 300, 1085-1095.	3.6	8
33	Geopolymers Reinforced with Natural Fibers: A Comparison among Different Sources. Applied Sciences (Switzerland), 2021, 11, 11026.	2.5	8
34	Ski Boot Soles Based on a Glass Fiber/Rubber Composite with Improved Grip on Icy Surfaces. Procedia Engineering, 2016, 147, 372-377.	1.2	7
35	Durability of biopolymeric composites formulated with fillers from a byâ€product of coffee roasting. Polymer Composites, 2022, 43, 1485-1493.	4.6	7
36	Ageing of PCCD aliphatic polyesters: Effect of stereochemistry and ionic chain terminals. Journal of Photochemistry and Photobiology A: Chemistry, 2014, 292, 42-48.	3.9	6

#	ARTICLE	IF	CITATIONS
37	Elastomeric/antibacterial properties in novel random Ricinus communis based-copolyesters. Polymer Testing, 2020, 90, 106719.	4.8	4
38	Chain extender effect of 3-(4-hydroxyphenyl)propionic acid/layered double hydroxide in biopolyesters containing the succinate moiety. New Journal of Chemistry, 2020, 44, 10127-10136.	2.8	3
39	Bio-Based Furan-Polyesters/Graphene Nanocomposites Prepared by In Situ Polymerization. Polymers, 2021, 13, 1377.	4.5	3
40	Alkali-Activated Mortars Modified by Epoxy-Carbon Fiber Composites Wastes. Applied Sciences (Switzerland), 2021, 11, 6110.	2.5	2