

Giuseppe Impallomeni

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Sequencing Biodegradable and Potentially Biobased Polyesteramide of Sebacic Acid and 3-Amino-1-propanol by MALDI TOF-TOF Tandem Mass Spectrometry. <i>Polymers</i> , 2022, 14, 1500.	4.5	3
2	Novel pranoprofen- ϵ -poly(μ -caprolactone) conjugates: microwave-assisted synthesis and structural characterization. <i>Polymer International</i> , 2021, 70, 604-611.	3.1	3
3	Development and biocompatibility assessments of poly(3-hydroxybutyrate-co- μ -caprolactone) microparticles for diclofenac sodium delivery. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 60, 102081.	3.0	10
4	Characterization and laser-induced degradation of a medical grade polylactide. <i>Polymer Degradation and Stability</i> , 2019, 169, 108991.	5.8	11
5	Unsaturated Poly(Hydroxyalkanoates) for the Production of Nanoparticles and the Effect of Cross-Linking on Nanoparticle Features. <i>Materials</i> , 2019, 12, 868.	2.9	10
6	Technology assessment of new biodegradable poly(R-3-hydroxybutyrate-co -1,4-butylene adipate) copolymers for drug delivery. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47233.	2.6	4
7	Biosynthesis and structural characterization of polyhydroxyalkanoates produced by <i>Pseudomonas aeruginosa</i> ATCC 27853 from long odd-chain fatty acids. <i>International Journal of Biological Macromolecules</i> , 2018, 108, 608-614.	7.5	21
8	Carbon source effects on the mono/diacylglycerol ratio produced by <i>Pseudomonas aeruginosa</i> L05, a new human respiratory isolate. <i>New Biotechnology</i> , 2017, 39, 36-41.	4.4	24
9	Matrix-assisted laser desorption/ionization time-of-flight vs. fast-atom bombardment and electrospray ionization mass spectrometry in the structural characterization of bacterial poly(3-hydroxyalkanoates). <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 811-820.	1.5	4
10	New amphiphilic derivatives of poly(ethylene glycol) (PEG) as surface modifiers of colloidal drug carriers. III. Lipoamino acid conjugates with carboxy- and amino-PEG5000 polymers. <i>Materials Science and Engineering C</i> , 2015, 46, 470-481.	7.3	14
11	Characterization of biodegradable poly(3-hydroxybutyrate-co-butylene adipate) copolymers obtained from their homopolymers by microwave-assisted transesterification. <i>Polymer</i> , 2013, 54, 65-74.	3.8	15
12	New Amphiphilic Conjugates of Amino-Poly(ethylene glycols) With Lipoamino Acids as Surface Modifiers of Colloidal Drug Carriers. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 46-55.	2.2	10
13	Direct Electrospray Ionization Mass Spectrometry Quantitative Analysis of Sebacic and Terephthalic Acids in Biodegradable Polymers. <i>Analytical Chemistry</i> , 2011, 83, 654-660.	6.5	17
14	Synthesis and characterization of poly(3-hydroxyalkanoates) from <i>Brassica carinata</i> oil with high content of erucic acid and from very long chain fatty acids. <i>International Journal of Biological Macromolecules</i> , 2011, 48, 137-145.	7.5	35
15	O-Acetyl location on Cepacian, the principal exopolysaccharide of <i>Burkholderia cepacia</i> complex bacteria. <i>Carbohydrate Research</i> , 2011, 346, 2905-2912.	2.3	10
16	New Amphiphilic Conjugates of Mono- and Bis(carboxy)-PEG _{2,000} Polymers with Lipoamino Acids as Surface Modifiers of Colloidal Drug Carriers. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 1148-1156.	2.2	13
17	Poly(3-hydroxybutyrate-co- ϵ -caprolactone) copolymers and poly(3-hydroxybutyrate-co-3-hydroxyvalerate-co- ϵ -caprolactone) terpolymers as novel materials for colloidal drug delivery systems. <i>European Journal of Pharmaceutical Sciences</i> , 2009, 37, 451-462.	4.0	22
18	Macromolecular properties of cepacian in water and in dimethylsulfoxide. <i>Carbohydrate Research</i> , 2008, 343, 81-89.	2.3	16

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19	Sequencing Microbial Copolymers of 3-Hydroxybutyric and 3-Mercaptoalkanoic Acids by NMR, Electrospray Ionization Mass Spectrometry, and Size Exclusion Chromatography NMR. <i>Biomacromolecules</i> , 2007, 8, 985-991.	5.4	9
20	Exopolysaccharides produced by clinical strains belonging to the <i>Burkholderia cepacia</i> complex. <i>Journal of Cystic Fibrosis</i> , 2007, 6, 145-152.	0.7	24
21	Addition of glycerol plasticizer to seaweeds derived alginates: Influence of microstructure on chemical and physical properties. <i>Carbohydrate Polymers</i> , 2007, 69, 503-511.	10.2	81
22	Exopolysaccharides produced by <i>Inquilinus limosus</i> , a new pathogen of cystic fibrosis patients: novel structures with usual components. <i>Carbohydrate Research</i> , 2007, 342, 2404-2415.	2.3	19
23	First report of a lyase for cepacian, the polysaccharide produced by <i>Burkholderia cepacia</i> complex bacteria. <i>Biochemical and Biophysical Research Communications</i> , 2006, 339, 821-826.	2.1	11
24	Structural analysis of the polysaccharides from <i>Echinacea angustifolia</i> radix. <i>Carbohydrate Polymers</i> , 2006, 65, 263-272.	10.2	41
25	Structure of the exopolysaccharide produced by <i>Enterobacter amnigenus</i> . <i>Carbohydrate Research</i> , 2005, 340, 439-447.	2.3	40
26	New fragmentation mechanisms in matrix-assisted laser desorption/ionization time-of-flight/time-of-flight tandem mass spectrometry of carbohydrates. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 392-398.	1.5	95
27	Evidence for Selective Hydrolysis of Aliphatic Copolyesters Induced by Lipase Catalysis. <i>Biomacromolecules</i> , 2004, 5, 433-444.	5.4	73
28	Exopolysaccharides produced by <i>Burkholderia cenocepacia</i> recA lineages IIIA and IIIB. <i>Journal of Cystic Fibrosis</i> , 2004, 3, 165-172.	0.7	46
29	Microbial Synthesis of Poly(3-hydroxyalkanoates) by <i>Pseudomonas aeruginosa</i> from Fatty Acids: Identification of Higher Monomer Units and Structural Characterization. <i>Biomacromolecules</i> , 2004, 5, 2469-2478.	5.4	30
30	Exopolysaccharides produced by a clinical strain of <i>Burkholderia cepacia</i> isolated from a cystic fibrosis patient. <i>Carbohydrate Research</i> , 2003, 338, 2687-2695.	2.3	40
31	Mass-Selective Lipase-Catalyzed Poly(ϵ -caprolactone) Transesterification Reactions. <i>Macromolecules</i> , 2002, 35, 6858-6866.	4.8	38
32	Acid Catalyzed Transesterification as a Route to Poly(3-hydroxybutyrate-co- ϵ -caprolactone) Copolymers from Their Homopolymers. <i>Biomacromolecules</i> , 2002, 3, 835-840.	5.4	38
33	Studies on the Interactions of the New 2,6-Bis[2-(heteroaryl)vinyl]1-methylpyridinium Cations with the Decamer d(CGTACGTACG) ₂ . <i>European Journal of Organic Chemistry</i> , 2002, 2002, 145-150.	2.4	11
34	Oxygen transfer rate and sophorose lipid production by <i>Candida bombicola</i> . <i>Biotechnology and Bioengineering</i> , 2002, 77, 489-494.	3.3	71
35	New results on matrix-assisted laser desorption/ionization mass spectrometry of widely polydisperse hydrosoluble polymers. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 1599-1603.	1.5	34
36	Biosynthesis and structural characterization of medium-chain-length poly(3-hydroxyalkanoates) produced by <i>Pseudomonas aeruginosa</i> from fatty acids. <i>International Journal of Biological Macromolecules</i> , 2001, 29, 107-114.	7.5	32

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37	The structure of a polysaccharide from infectious strains of Burkholderia cepacia. Carbohydrate Research, 2001, 335, 45-54.	2.3	97
38	Title is missing!. Journal of Polymers and the Environment, 2000, 8, 97-102.	5.0	3
39	Structural Study of the Exopolysaccharide Produced by a Clinical Isolate of Burkholderia cepacia. Biochemical and Biophysical Research Communications, 2000, 273, 1088-1094.	2.1	75
40	Structure of succinoglycan from an infectious strain of Agrobacterium radiobacter. International Journal of Biological Macromolecules, 2000, 27, 319-326.	7.5	26
41	Characterization by mass spectrometry of poly(3-hydroxyalkanoates) produced by Rhodospirillum rubrum from 3-hydroxyacids. International Journal of Biological Macromolecules, 1999, 26, 201-211.	7.5	8
42	The structure of the exocellular polysaccharide from the cyanobacterium Cyanospira capsulata. Carbohydrate Research, 1998, 307, 113-124.	2.3	39
43	On the presence of 4-O-(1-carboxyethyl)-mannose in the capsular polysaccharide of Rhodococcus equi serotype 3. Carbohydrate Research, 1998, 312, 153-157.	2.3	1
44	Eleven newly characterized xyloglucan oligoglycosyl alditols: the specific effects of sidechain structure and location on 1H NMR chemical shifts. Carbohydrate Research, 1995, 267, 79-104.	2.3	31
45	Metabolism of xyloglucan generates xylose-deficient oligosaccharide subunits of this polysaccharide in etiolated peas. Carbohydrate Research, 1995, 277, 291-311.	2.3	33
46	Identification of N-acetylglucosamine and 4-O-[1-carboxyethyl]mannose in the exopolysaccharide from Cyanospira capsulata. Carbohydrate Research, 1995, 270, 97-106.	2.3	19
47	Matrix-assisted laser desorption/ionization mass spectrometry of polysaccharides. Rapid Communications in Mass Spectrometry, 1995, 9, 937-941.	1.5	96
48	Separation and Structural Characterization of Cyclic and Open Chain Oligomers Produced in the Partial Pyrolysis of Microbial Poly(hydroxybutyrate)s. Macromolecules, 1995, 28, 7911-7916.	4.8	18
49	Synthesis and Characterization of Polyesters Produced by Rhodospirillum rubrum from Pentenoic Acid. Macromolecules, 1995, 28, 3664-3671.	4.8	11
50	Thermal degradation of microbial poly(4-hydroxybutyrate). Macromolecules, 1994, 27, 332-336.	4.8	40
51	Quantitative applications of matrix-assisted laser desorption/ionization with time-of-flight mass spectrometry: Determination of copolymer composition in bacterial copolyesters. Rapid Communications in Mass Spectrometry, 1993, 7, 1033-1036.	1.5	51
52	Linkage analysis in disaccharides by electrospray mass spectrometry. Carbohydrate Research, 1991, 221, 253-257.	2.3	61
53	A new undecassaccharide subunit of xyloglucans with two α -1-fucosyl residues. Carbohydrate Research, 1991, 211, 117-129.	2.3	34
54	Sequence distribution of α -2-hydroxyalkanoate units with higher alkyl groups in bacterial copolyesters. Macromolecules, 1990, 23, 5059-5064.	4.8	33

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55	Determination of linkage position and identification of the reducing end in linear oligosaccharides by negative ion fast atom bombardment mass spectrometry. <i>Analytical Chemistry</i> , 1990, 62, 279-286.	6.5	170
56	Primary thermal decomposition processes in aliphatic polyamides. <i>Polymer Degradation and Stability</i> , 1989, 23, 25-41.	5.8	74
57	Analytical degradation: An approach to the structural analysis of microbial polyesters by different methods. <i>Journal of Analytical and Applied Pyrolysis</i> , 1989, 16, 239-253.	5.5	40
58	Determination of linkage position in disaccharides by negative-ion fast-atom bombardment mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1989, 3, 302-304.	1.5	33
59	Sequencing bacterial poly(.beta.-hydroxybutyrate-co-.beta.-hydroxyvalerate) by partial methanolysis, HPLC fractionation, and fast-atom-bombardment mass spectrometry analysis. <i>Macromolecules</i> , 1989, 22, 2107-2111.	4.8	59
60	Primary thermal fragmentation processes in poly(ethylene oxalate) investigated by mass spectrometry. <i>Polymer Degradation and Stability</i> , 1988, 21, 311-321.	5.8	12