

# Paola Cescutti

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

79  
papers

1,411  
citations

21  
h-index

33  
g-index

81  
ext. papers

1,598  
ext. citations

4.2  
avg, IF

4.1  
L-index

#	Paper	IF	Citations
79	Pellicle Biofilm Formation in J2315 is Epigenetically Regulated through WspH, a Hybrid Two-Component System Kinase-Response Regulator.. <i>Journal of Bacteriology</i> , <b>2022</b> , e0001722	3.5	0
78	Characterisation of a new cell wall teichoic acid produced by <i>Listeria innocua</i> M39 and analysis of its biosynthesis genes.. <i>Carbohydrate Research</i> , <b>2021</b> , 511, 108499	2.9	0
77	The development and characterization of an <i>E. coli</i> O25B bioconjugate vaccine. <i>Glycoconjugate Journal</i> , <b>2021</b> , 38, 421-435	3	5
76	Lyophilized alginate-based microspheres containing <i>Lactobacillus fermentum</i> D12, an exopolysaccharides producer, contribute to the strain's functionality in vitro. <i>Microbial Cell Factories</i> , <b>2021</b> , 20, 85	6.4	4
75	The biofilm of <i>Burkholderia cenocepacia</i> H111 contains an exopolysaccharide composed of l-rhamnose and l-mannose: Structural characterization and molecular modelling. <i>Carbohydrate Research</i> , <b>2021</b> , 499, 108231	2.9	1
74	Oligosaccharides Derived from Trimesan: Their Structure and Activity on Mycotoxin Inhibition in and. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	3
73	Multifrequency STD NMR Unveils the Interactions of Antibiotics With Biofilm Exopolysaccharide. <i>Frontiers in Molecular Biosciences</i> , <b>2021</b> , 8, 727980	5.6	1
72	Effect of O-Antigen Chain Length Regulation on the Immunogenicity of and Generalized Modules for Membrane Antigens (GMMA). <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	7
71	H111 Produces a Water-Insoluble Exopolysaccharide in Biofilm: Structural Determination and Molecular Modelling. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	4
70	Determination of the capsular polysaccharide structure of the <i>Klebsiella pneumoniae</i> ST512 representative strain KPB-1 and assignments of the glycosyltransferases functions. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 155, 315-323	7.9	3
69	Ramachandran conformational energy maps for disaccharide linkages found in <i>Burkholderia multivorans</i> biofilm polysaccharides. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 143, 501-509	7.9	2
68	Proteomic Studies of the Biofilm Matrix including Outer Membrane Vesicles of C1576, a Strain of Clinical Importance for Cystic Fibrosis. <i>Microorganisms</i> , <b>2020</b> , 8,	4.9	2
67	The Exopolysaccharide Cepacian Plays a Role in the Establishment of the - Symbiosis. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 1600	5.7	5
66	GMMA and Glycoconjugate Approaches Compared in Mice for the Development of a Vaccine against Serotype 6. <i>Vaccines</i> , <b>2020</b> , 8,	5.3	18
65	Characterization of the <i>Salmonella Typhimurium</i> core oligosaccharide and its reducing end 3-deoxy-d-manno-oct-2-ulosonic acid used for conjugate vaccine production. <i>Carbohydrate Research</i> , <b>2019</b> , 481, 43-51	2.9	2
64	The polysaccharide extracted from the biofilm of <i>Burkholderia multivorans</i> strain C1576 binds hydrophobic species and exhibits a compact 3D-structure. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 136, 944-950	7.9	6
63	Structure of the capsular polysaccharide of the KPC-2-producing <i>Klebsiella pneumoniae</i> strain KK207-2 and assignment of the glycosyltransferases functions. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 130, 536-544	7.9	10

62	Multi-technique microscopy investigation on bacterial biofilm matrices: a study on <i>Klebsiella pneumoniae</i> clinical strains. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 7315-7325	4.4	7
61	Investigation on Sugar-Protein Connectivity in <i>Salmonella</i> O-Antigen Glycoconjugate Vaccines. <i>Bioconjugate Chemistry</i> , <b>2018</b> , 29, 1736-1747	6.3	6
60	The spent culture supernatant of <i>Pseudomonas syringae</i> contains azelaic acid. <i>BMC Microbiology</i> , <b>2018</b> , 18, 199	4.5	6
59	Influence of Bacterial Biofilm Polysaccharide Structure on Interactions with Antimicrobial Peptides: A Study on. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	10
58	Fluorescence and NMR spectroscopy together with molecular simulations reveal amphiphilic characteristics of a biofilm exopolysaccharide. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 11034-11042	5.4	10
57	Genetic and structural elucidation of capsular polysaccharides from <i>Streptococcus pneumoniae</i> serotype 23A and 23B, and comparison to serotype 23F. <i>Carbohydrate Research</i> , <b>2017</b> , 450, 19-29	2.9	12
56	Multiple Techniques for Size Determination of Generalized Modules for Membrane Antigens from and. <i>ACS Omega</i> , <b>2017</b> , 2, 8282-8289	3.9	19
55	Tramesan, a novel polysaccharide from <i>Trametes versicolor</i> . Structural characterization and biological effects. <i>PLoS ONE</i> , <b>2017</b> , 12, e0171412	3.7	12
54	Biofilms produced by <i>Burkholderia cenocepacia</i> : influence of media and solid supports on composition of matrix exopolysaccharides. <i>Microbiology (United Kingdom)</i> , <b>2016</b> , 162, 283-294	2.9	8
53	Biofilms from <i>Klebsiella pneumoniae</i> : Matrix Polysaccharide Structure and Interactions with Antimicrobial Peptides. <i>Microorganisms</i> , <b>2016</b> , 4,	4.9	11
52	Structural determination of the polysaccharide isolated from biofilms produced by a clinical strain of <i>Klebsiella pneumoniae</i> . <i>Carbohydrate Research</i> , <b>2016</b> , 430, 29-35	2.9	12
51	A novel rhamno-mannan exopolysaccharide isolated from biofilms of <i>Burkholderia multivorans</i> C1576. <i>Carbohydrate Research</i> , <b>2015</b> , 411, 42-8	2.9	14
50	Structural analysis of O-polysaccharide chains extracted from different <i>Salmonella</i> Typhimurium strains. <i>Carbohydrate Research</i> , <b>2014</b> , 385, 1-8	2.9	49
49	Versatility of the <i>Burkholderia cepacia</i> complex for the biosynthesis of exopolysaccharides: a comparative structural investigation. <i>PLoS ONE</i> , <b>2014</b> , 9, e94372	3.7	33
48	Structure of a novel exopolysaccharide produced by <i>Burkholderia vietnamiensis</i> , a cystic fibrosis opportunistic pathogen. <i>Carbohydrate Polymers</i> , <b>2013</b> , 94, 253-60	10.3	17
47	Conformational properties of two exopolysaccharides produced by <i>Inquilinus limosus</i> , a cystic fibrosis lung pathogen. <i>Carbohydrate Research</i> , <b>2012</b> , 350, 40-8	2.9	13
46	Investigation of bacterial resistance to the immune system response: cepacian depolymerisation by reactive oxygen species. <i>Innate Immunity</i> , <b>2012</b> , 18, 661-71	2.7	13
45	A novel highly charged exopolysaccharide produced by two strains of <i>Stenotrophomonas maltophilia</i> recovered from patients with cystic fibrosis. <i>Carbohydrate Research</i> , <b>2011</b> , 346, 1916-23	2.9	15

44	O-Acetyl location on cepacian, the principal exopolysaccharide of Burkholderia cepacia complex bacteria. <i>Carbohydrate Research</i> , <b>2011</b> , 346, 2905-12	2.9	9
43	The lipid A of Burkholderia multivorans C1576 smooth-type lipopolysaccharide and its pro-inflammatory activity in a cystic fibrosis airways model. <i>Innate Immunity</i> , <b>2010</b> , 16, 354-65	2.7	14
42	Bacterial capsular polysaccharides and exopolysaccharides <b>2010</b> , 93-108		8
41	Isolation and characterisation of the biological repeating unit of cepacian, the exopolysaccharide produced by bacteria of the Burkholderia cepacia complex. <i>Carbohydrate Research</i> , <b>2010</b> , 345, 1455-60	2.9	14
40	Structural study and conformational behavior of the two different lipopolysaccharide O-antigens produced by the cystic fibrosis pathogen Burkholderia multivorans. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 7156-66	4.8	18
39	Conformational studies of the capsular polysaccharide produced by Neisseria meningitidis group A. <i>Carbohydrate Research</i> , <b>2009</b> , 344, 940-3	2.9	11
38	Inhibition of cathelicidin activity by bacterial exopolysaccharides. <i>Molecular Microbiology</i> , <b>2009</b> , 72, 1137-46	4.6	38
37	Structural analysis of fructans from Agave americana grown in South Africa for spirit production. <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 3995-4003	5.7	28
36	Macromolecular properties of cepacian in water and in dimethylsulfoxide. <i>Carbohydrate Research</i> , <b>2008</b> , 343, 81-9	2.9	15
35	Exopolysaccharides produced by clinical strains belonging to the Burkholderia cepacia complex. <i>Journal of Cystic Fibrosis</i> , <b>2007</b> , 6, 145-52	4.1	23
34	Exopolysaccharides produced by Inquilinus limosus, a new pathogen of cystic fibrosis patients: novel structures with usual components. <i>Carbohydrate Research</i> , <b>2007</b> , 342, 2404-15	2.9	15
33	Full Structural Characterisation of the Lipooligosaccharide of a Burkholderia pyrrocinia Clinical Isolate. <i>European Journal of Organic Chemistry</i> , <b>2006</b> , 2006, 4874-4883	3.2	24
32	Exopolysaccharides from Burkholderia cenocepacia inhibit neutrophil chemotaxis and scavenge reactive oxygen species. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 2526-32	5.4	107
31	First report of a lyase for cepacian, the polysaccharide produced by Burkholderia cepacia complex bacteria. <i>Biochemical and Biophysical Research Communications</i> , <b>2006</b> , 339, 821-6	3.4	10
30	Interaction of antimicrobial peptides with bacterial polysaccharides from lung pathogens. <i>Peptides</i> , <b>2005</b> , 26, 1127-32	3.8	50
29	Structure of the exopolysaccharide produced by Enterobacter amnigenus. <i>Carbohydrate Research</i> , <b>2005</b> , 340, 439-47	2.9	29
28	Conformational features of cepacian: the exopolysaccharide produced by clinical strains of Burkholderia cepacia. <i>Carbohydrate Research</i> , <b>2005</b> , 340, 1025-37	2.9	8
27	Complete structural characterization of the lipid A fraction of a clinical strain of B. cepacia genomovar I lipopolysaccharide. <i>Glycobiology</i> , <b>2005</b> , 15, 561-70	5.8	53

26	Exopolysaccharides produced by <i>Burkholderia cenocepacia</i> recA lineages IIIA and IIIB. <i>Journal of Cystic Fibrosis</i> , <b>2004</b> , 3, 165-72	4.1	38
25	Macromolecular and solution properties of Cepacian: the exopolysaccharide produced by a strain of <i>Burkholderia cepacia</i> isolated from a cystic fibrosis patient. <i>Carbohydrate Research</i> , <b>2003</b> , 338, 1861-7 <sup>2.9</sup>		35
24	Exopolysaccharides produced by a clinical strain of <i>Burkholderia cepacia</i> isolated from a cystic fibrosis patient. <i>Carbohydrate Research</i> , <b>2003</b> , 338, 2687-95	2.9	39
23	Microbiological characterisation of <i>Burkholderia cepacia</i> isolates from cystic fibrosis patients: investigation of the exopolysaccharides produced. <i>FEMS Microbiology Letters</i> , <b>2002</b> , 209, 99-106	2.9	29
22	Structure of the oligomers obtained by enzymatic hydrolysis of the glucomannan produced by the plant <i>Amorphophallus konjac</i> . <i>Carbohydrate Research</i> , <b>2002</b> , 337, 2505-11	2.9	71
21	Divalent cation interactions with oligogalacturonides. <i>Journal of Agricultural and Food Chemistry</i> , <b>2001</b> , 49, 3262-7	5.7	17
20	Host-guest complex formation in cyclotriakis-(1 $\rightarrow$ 6). <i>Carbohydrate Research</i> , <b>2000</b> , 329, 647-53	2.9	
19	Structural study of the exopolysaccharide produced by a clinical isolate of <i>Burkholderia cepacia</i> . <i>Biochemical and Biophysical Research Communications</i> , <b>2000</b> , 273, 1088-94	3.4	62
18	Studies on the primary structure of short polysaccharides using SEC MALDI mass spectroscopy. <i>Carbohydrate Research</i> , <b>2000</b> , 323, 139-46	2.9	21
17	Molecular typing and exopolysaccharide biosynthesis of <i>Burkholderia cepacia</i> isolates from a Portuguese cystic fibrosis center. <i>Journal of Clinical Microbiology</i> , <b>2000</b> , 38, 1651-5	9.7	54
16	Structural determination of the acidic exopolysaccharide produced by a <i>Pseudomonas</i> sp. strain 1.15. <i>Carbohydrate Research</i> , <b>1999</b> , 315, 159-68	2.9	44
15	Periodate oxidation of cyclophoraoses: a quantitative analysis of the reaction products by ionspray mass spectrometry <sup>11</sup> This work was partly presented at the workshop: Application of MALDI-TOF and ESI-TOF mass spectrometry in the characterisation of synthetic and biological	2.9	1
14	Structural investigation of the exopolysaccharide produced by <i>Pseudomonas flavescens</i> strain B62--degradation by a fungal cellulase and isolation of the oligosaccharide repeating unit. <i>FEBS Journal</i> , <b>1998</b> , 251, 971-9		19
13	Screening the physical properties of novel <i>Pseudomonas</i> exopolysaccharides by HPSEC with multi-angle light scattering and viscosity detection. <i>Carbohydrate Polymers</i> , <b>1997</b> , 32, 213-221	10.3	21
12	All-transglycolytic synthesis and characterization of sialyl(alpha2-3)galactosyl(beta1-4)xylosyl-p-nitrophenyl(beta1-), an oligosaccharide derivative related to glycosaminoglycan biosynthesis. <i>FEBS Journal</i> , <b>1997</b> , 247, 1083-90		9
11	The structure of the exopolysaccharide of <i>Pseudomonas fluorescens</i> strain H13. <i>Carbohydrate Research</i> , <b>1997</b> , 300, 323-7	2.9	8
10	Effect of methylation of Cyclodextrin on the formation of inclusion complexes with aromatic compounds. An ionspray mass spectrometry investigation. <i>Carbohydrate Research</i> , <b>1997</b> , 302, 1-6	2.9	16
9	Determination of the size and degree of acetyl substitution of oligosaccharides from <i>Neisseria meningitidis</i> group A by ionspray mass spectrometry. <i>Biochemical and Biophysical Research Communications</i> , <b>1996</b> , 224, 444-50	3.4	1

8	Study of the inclusion complexes of aromatic molecules with cyclodextrins using ionspray mass spectrometry. <i>Carbohydrate Research</i> , <b>1996</b> , 290, 105-115	2.9	33
7	The structure of the acidic exopolysaccharide produced by <i>Pseudomonas</i> "gingeri" strain Pf9. <i>Carbohydrate Research</i> , <b>1995</b> , 275, 371-9	2.9	15
6	Identification of N-acetylglucosamine and 4-O-[1-carboxyethyl]mannose in the exopolysaccharide from <i>Cyanospira capsulata</i> . <i>Carbohydrate Research</i> , <b>1995</b> , 270, 97-106	2.9	17
5	A conformational study of the Smith degradation product of the <i>Klebsiella</i> K40 capsular polysaccharide by 1D NOESY and molecular mechanics calculations. <i>Carbohydrate Research</i> , <b>1994</b> , 265, 151-9	2.9	3
4	Solution properties of the capsular polysaccharide produced by <i>Klebsiella pneumoniae</i> K40. <i>International Journal of Biological Macromolecules</i> , <b>1994</b> , 16, 65-70	7.9	10
3	Structural investigation of the capsular polysaccharide produced by a novel <i>Klebsiella</i> serotype (SK1). Location of O-acetyl substituents using NMR and MS techniques. <i>Carbohydrate Research</i> , <b>1993</b> , 244, 325-40	2.9	9
2	Structural determination of the capsular polysaccharide produced by <i>Klebsiella pneumoniae</i> serotype K40. NMR studies of the oligosaccharide obtained upon depolymerisation of the polysaccharide with a bacteriophage-associated endoglycanase. <i>FEBS Journal</i> , <b>1993</b> , 213, 445-53		18
1	Solution properties of the capsular polysaccharide produced by <i>Klebsiella pneumoniae</i> SK1. <i>International Journal of Biological Macromolecules</i> , <b>1993</b> , 15, 201-7	7.9	7