

Paola Cescutti

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8973620/paola-cescutti-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Exopolysaccharides from <i>Burkholderia cenocepacia</i> inhibit neutrophil chemotaxis and scavenge reactive oxygen species. <i>Journal of Biological Chemistry</i> , 2006 , 281, 2526-32	5.4	107
78	Structure of the oligomers obtained by enzymatic hydrolysis of the glucomannan produced by the plant <i>Amorphophallus konjac</i> . <i>Carbohydrate Research</i> , 2002 , 337, 2505-11	2.9	71
77	Structural study of the exopolysaccharide produced by a clinical isolate of <i>Burkholderia cepacia</i> . <i>Biochemical and Biophysical Research Communications</i> , 2000 , 273, 1088-94	3.4	62
76	Molecular typing and exopolysaccharide biosynthesis of <i>Burkholderia cepacia</i> isolates from a Portuguese cystic fibrosis center. <i>Journal of Clinical Microbiology</i> , 2000 , 38, 1651-5	9.7	54
75	Complete structural characterization of the lipid A fraction of a clinical strain of <i>B. cepacia</i> genomovar I lipopolysaccharide. <i>Glycobiology</i> , 2005 , 15, 561-70	5.8	53
74	Interaction of antimicrobial peptides with bacterial polysaccharides from lung pathogens. <i>Peptides</i> , 2005 , 26, 1127-32	3.8	50
73	Structural analysis of O-polysaccharide chains extracted from different <i>Salmonella Typhimurium</i> strains. <i>Carbohydrate Research</i> , 2014 , 385, 1-8	2.9	49
72	Structural determination of the acidic exopolysaccharide produced by a <i>Pseudomonas</i> sp. strain 1.15. <i>Carbohydrate Research</i> , 1999 , 315, 159-68	2.9	44
71	Exopolysaccharides produced by a clinical strain of <i>Burkholderia cepacia</i> isolated from a cystic fibrosis patient. <i>Carbohydrate Research</i> , 2003 , 338, 2687-95	2.9	39
70	Inhibition of cathelicidin activity by bacterial exopolysaccharides. <i>Molecular Microbiology</i> , 2009 , 72, 1137-46	4.6	38
69	Exopolysaccharides produced by <i>Burkholderia cenocepacia</i> recA lineages IIIA and IIIB. <i>Journal of Cystic Fibrosis</i> , 2004 , 3, 165-72	4.1	38
68	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> , 2003 , 338, 1861-7	2.9	35
67	Versatility of the <i>Burkholderia cepacia</i> complex for the biosynthesis of exopolysaccharides: a comparative structural investigation. <i>PLoS ONE</i> , 2014 , 9, e94372	3.7	33
66	Study of the inclusion complexes of aromatic molecules with cyclodextrins using ionspray mass spectrometry. <i>Carbohydrate Research</i> , 1996 , 290, 105-115	2.9	33
65	Microbiological characterisation of <i>Burkholderia cepacia</i> isolates from cystic fibrosis patients: investigation of the exopolysaccharides produced. <i>FEMS Microbiology Letters</i> , 2002 , 209, 99-106	2.9	29
64	Structure of the exopolysaccharide produced by <i>Enterobacter amnigenus</i> . <i>Carbohydrate Research</i> , 2005 , 340, 439-47	2.9	29
63	Structural analysis of fructans from <i>Agave americana</i> grown in South Africa for spirit production. <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 3995-4003	5.7	28

62	Full Structural Characterisation of the Lipooligosaccharide of a Burkholderia pyrrocinia Clinical Isolate. <i>European Journal of Organic Chemistry</i> , 2006 , 2006, 4874-4883	3.2	24
61	Exopolysaccharides produced by clinical strains belonging to the Burkholderia cepacia complex. <i>Journal of Cystic Fibrosis</i> , 2007 , 6, 145-52	4.1	23
60	Screening the physical properties of novel Pseudomonas exopolysaccharides by HPSEC with multi-angle light scattering and viscosity detection. <i>Carbohydrate Polymers</i> , 1997 , 32, 213-221	10.3	21
59	Studies on the primary structure of short polysaccharides using SEC MALDI mass spectroscopy. <i>Carbohydrate Research</i> , 2000 , 323, 139-46	2.9	21
58	Multiple Techniques for Size Determination of Generalized Modules for Membrane Antigens from and. <i>ACS Omega</i> , 2017 , 2, 8282-8289	3.9	19
57	Structural investigation of the exopolysaccharide produced by Pseudomonas flavescens strain B62--degradation by a fungal cellulase and isolation of the oligosaccharide repeating unit. <i>FEBS Journal</i> , 1998 , 251, 971-9		19
56	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> , 2009 , 15, 7156-66	4.8	18
55	Structural determination of the capsular polysaccharide produced by Klebsiella pneumoniae serotype K40. NMR studies of the oligosaccharide obtained upon depolymerisation of the polysaccharide with a bacteriophage-associated endoglycanase. <i>FEBS Journal</i> , 1993 , 213, 445-53		18
54	GMMA and Glycoconjugate Approaches Compared in Mice for the Development of a Vaccine against Serotype 6. <i>Vaccines</i> , 2020 , 8,	5.3	18
53	Structure of a novel exopolysaccharide produced by Burkholderia vietnamiensis, a cystic fibrosis opportunistic pathogen. <i>Carbohydrate Polymers</i> , 2013 , 94, 253-60	10.3	17
52	Divalent cation interactions with oligogalacturonides. <i>Journal of Agricultural and Food Chemistry</i> , 2001 , 49, 3262-7	5.7	17
51	Identification of N-acetylglucosamine and 4-O-[1-carboxyethyl]mannose in the exopolysaccharide from Cyanospira capsulata. <i>Carbohydrate Research</i> , 1995 , 270, 97-106	2.9	17
50	Effect of methylation of Cyclodextrin on the formation of inclusion complexes with aromatic compounds. An ionspray mass spectrometry investigation. <i>Carbohydrate Research</i> , 1997 , 302, 1-6	2.9	16
49	A novel highly charged exopolysaccharide produced by two strains of Stenotrophomonas maltophilia recovered from patients with cystic fibrosis. <i>Carbohydrate Research</i> , 2011 , 346, 1916-23	2.9	15
48	Exopolysaccharides produced by Inquilinus limosus, a new pathogen of cystic fibrosis patients: novel structures with usual components. <i>Carbohydrate Research</i> , 2007 , 342, 2404-15	2.9	15
47	Macromolecular properties of cepacian in water and in dimethylsulfoxide. <i>Carbohydrate Research</i> , 2008 , 343, 81-9	2.9	15
46	The structure of the acidic exopolysaccharide produced by Pseudomonas "gingeri" strain Pf9. <i>Carbohydrate Research</i> , 1995 , 275, 371-9	2.9	15
45	A novel rhamno-mannan exopolysaccharide isolated from biofilms of Burkholderia multivorans C1576. <i>Carbohydrate Research</i> , 2015 , 411, 42-8	2.9	14

44	The lipid A of <i>Burkholderia multivorans</i> C1576 smooth-type lipopolysaccharide and its pro-inflammatory activity in a cystic fibrosis airways model. <i>Innate Immunity</i> , 2010 , 16, 354-65	2.7	14
43	Isolation and characterisation of the biological repeating unit of cepacian, the exopolysaccharide produced by bacteria of the <i>Burkholderia cepacia</i> complex. <i>Carbohydrate Research</i> , 2010 , 345, 1455-60	2.9	14
42	Conformational properties of two exopolysaccharides produced by <i>Inquilinus limosus</i> , a cystic fibrosis lung pathogen. <i>Carbohydrate Research</i> , 2012 , 350, 40-8	2.9	13
41	Investigation of bacterial resistance to the immune system response: cepacian depolymerisation by reactive oxygen species. <i>Innate Immunity</i> , 2012 , 18, 661-71	2.7	13
40	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> , 2017 , 450, 19-29	2.9	12
39	Tramesan, a novel polysaccharide from <i>Trametes versicolor</i> . Structural characterization and biological effects. <i>PLoS ONE</i> , 2017 , 12, e0171412	3.7	12
38	Structural determination of the polysaccharide isolated from biofilms produced by a clinical strain of <i>Klebsiella pneumoniae</i> . <i>Carbohydrate Research</i> , 2016 , 430, 29-35	2.9	12
37	Conformational studies of the capsular polysaccharide produced by <i>Neisseria meningitidis</i> group A. <i>Carbohydrate Research</i> , 2009 , 344, 940-3	2.9	11
36	Biofilms from <i>Klebsiella pneumoniae</i> : Matrix Polysaccharide Structure and Interactions with Antimicrobial Peptides. <i>Microorganisms</i> , 2016 , 4,	4.9	11
35	Fluorescence and NMR spectroscopy together with molecular simulations reveal amphiphilic characteristics of a biofilm exopolysaccharide. <i>Journal of Biological Chemistry</i> , 2017 , 292, 11034-11042	5.4	10
34	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> , 2019 , 130, 536-544	7.9	10
33	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, 821-6	3.4	10
32	Solution properties of the capsular polysaccharide produced by <i>Klebsiella pneumoniae</i> K40. <i>International Journal of Biological Macromolecules</i> , 1994 , 16, 65-70	7.9	10
31	Influence of Bacterial Biofilm Polysaccharide Structure on Interactions with Antimicrobial Peptides: A Study on. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	10
30	O-Acetyl location on cepacian, the principal exopolysaccharide of <i>Burkholderia cepacia</i> complex bacteria. <i>Carbohydrate Research</i> , 2011 , 346, 2905-12	2.9	9
29	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> , 1997 , 247, 1083-90		9
28	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> , 1993 , 244, 325-40	2.9	9
27	Bacterial capsular polysaccharides and exopolysaccharides 2010 , 93-108		8

26	The structure of the exopolysaccharide of <i>Pseudomonas fluorescens</i> strain H13. <i>Carbohydrate Research</i> , 1997 , 300, 323-7	2.9	8
25	Conformational features of cepacian: the exopolysaccharide produced by clinical strains of <i>Burkholderia cepacia</i> . <i>Carbohydrate Research</i> , 2005 , 340, 1025-37	2.9	8
24	Biofilms produced by <i>Burkholderia cenocepacia</i> : influence of media and solid supports on composition of matrix exopolysaccharides. <i>Microbiology (United Kingdom)</i> , 2016 , 162, 283-294	2.9	8
23	Multi-technique microscopy investigation on bacterial biofilm matrices: a study on <i>Klebsiella pneumoniae</i> clinical strains. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 7315-7325	4.4	7
22	Solution properties of the capsular polysaccharide produced by <i>Klebsiella pneumoniae</i> SK1. <i>International Journal of Biological Macromolecules</i> , 1993 , 15, 201-7	7.9	7
21	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> , 2021 , 22,	6.3	7
20	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> , 2019 , 136, 944-950	7.9	6
19	Investigation on Sugar-Protein Connectivity in <i>Salmonella</i> O-Antigen Glycoconjugate Vaccines. <i>Bioconjugate Chemistry</i> , 2018 , 29, 1736-1747	6.3	6
18	The spent culture supernatant of <i>Pseudomonas syringae</i> contains azelaic acid. <i>BMC Microbiology</i> , 2018 , 18, 199	4.5	6
17	The Exopolysaccharide Cepacian Plays a Role in the Establishment of the - Symbiosis. <i>Frontiers in Microbiology</i> , 2020 , 11, 1600	5.7	5
16	The development and characterization of an <i>E. coli</i> O25B bioconjugate vaccine. <i>Glycoconjugate Journal</i> , 2021 , 38, 421-435	3	5
15	H111 Produces a Water-Insoluble Exopolysaccharide in Biofilm: Structural Determination and Molecular Modelling. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
14	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> , 2021 , 20, 85	6.4	4
13	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> , 2020 , 155, 315-323	7.9	3
12	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> , 1994 , 265, 151-9	2.9	3
11	Oligosaccharides Derived from Trimesan: Their Structure and Activity on Mycotoxin Inhibition in and. <i>Biomolecules</i> , 2021 , 11,	5.9	3
10	Characterization of the <i>Salmonella</i> Typhimurium core oligosaccharide and its reducing end 3-deoxy-d-manno-oct-2-ulonic acid used for conjugate vaccine production. <i>Carbohydrate Research</i> , 2019 , 481, 43-51	2.9	2
9	Ramachandran conformational energy maps for disaccharide linkages found in <i>Burkholderia multivorans</i> biofilm polysaccharides. <i>International Journal of Biological Macromolecules</i> , 2020 , 143, 501-509	7.9	2

8	Proteomic Studies of the Biofilm Matrix including Outer Membrane Vesicles of C1576, a Strain of Clinical Importance for Cystic Fibrosis. <i>Microorganisms</i> , 2020 , 8,	4.9	2
7	Periodate oxidation of cyclophosphates: a quantitative analysis of the reaction products by ionspray mass spectrometry ¹¹ 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
6	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> , 1996 , 224, 444-50	3.4	1
5	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> , 2021 , 499, 108231	2.9	1
4	Multifrequency STD NMR Unveils the Interactions of Antibiotics With Biofilm Exopolysaccharide. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 727980	5.6	1
3	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> , 2021 , 511, 108499	2.9	0
2	Pellicle Biofilm Formation in J2315 is Epigenetically Regulated through WspH, a Hybrid Two-Component System Kinase-Response Regulator.. <i>Journal of Bacteriology</i> , 2022 , e0001722	3.5	0
1	Host-guest complex formation in cyclotriakis-(1-->6). <i>Carbohydrate Research</i> , 2000 , 329, 647-53	2.9	