

Martine Caroff

List of Publications by Year in Descending Order

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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.

40
papers

1,636
citations

19
h-index

40
g-index

42
ext. papers

1,792
ext. citations

4.2
avg, IF

4.4
L-index

#	Paper	IF	Citations
40	Lipopolysaccharides: structure, function and bacterial identification. <i>OCL - Oilseeds and Fats, Crops and Lipids</i> , 2020 , 27, 31	1.5	6
39	Leptospiral LPS escapes mouse TLR4 internalization and TRIF-associated antimicrobial responses through O antigen and associated lipoproteins. <i>PLoS Pathogens</i> , 2020 , 16, e1008639	7.6	12
38	Leptospiral LPS escapes mouse TLR4 internalization and TRIF-associated antimicrobial responses through O antigen and associated lipoproteins 2020 , 16, e1008639		
37	Leptospiral LPS escapes mouse TLR4 internalization and TRIF-associated antimicrobial responses through O antigen and associated lipoproteins 2020 , 16, e1008639		
36	Leptospiral LPS escapes mouse TLR4 internalization and TRIF-associated antimicrobial responses through O antigen and associated lipoproteins 2020 , 16, e1008639		
35	Leptospiral LPS escapes mouse TLR4 internalization and TRIF-associated antimicrobial responses through O antigen and associated lipoproteins 2020 , 16, e1008639		
34	Structure function relationships in three lipids A from the <i>Ralstonia</i> genus rising in obese patients. <i>Biochimie</i> , 2019 , 159, 72-80	4.6	5
33	Regulation of by PhoB during P Starvation Promotes Biofilm Formation by <i>Escherichia coli</i> O157:H7. <i>Journal of Bacteriology</i> , 2019 , 201,	3.5	1
32	LPS Structure, Function, and Heterogeneity 2019 , 53-93		4
31	A comparative study of the complete lipopolysaccharide structures and biosynthesis loci of <i>Bordetella avium</i> , <i>B. hinzii</i> , and <i>B. trematum</i> . <i>Biochimie</i> , 2019 , 159, 81-92	4.6	7
30	Structural and biological characteristics of different forms of lipid A: use of MS to highlight structural discrepancies. <i>Journal of Lipid Research</i> , 2017 , 58, 543-552	6.3	6
29	Micromethods for Isolation and Structural Characterization of Lipid A, and Polysaccharide Regions of Bacterial Lipopolysaccharides. <i>Methods in Molecular Biology</i> , 2017 , 1600, 167-186	1.4	9
28	<i>Bordetella holmesii</i> : Lipid A Structures and Corresponding Genomic Sequences Comparison in Three Clinical Isolates and the Reference Strain ATCC 51541. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	5
27	Structure activity characterization of <i>Bordetella petrii</i> lipid A, from environment to human isolates. <i>Biochimie</i> , 2016 , 120, 87-95	4.6	6
26	Antimicrobial Peptide Resistance Genes in the Plant Pathogen <i>Dickeya dadantii</i> . <i>Applied and Environmental Microbiology</i> , 2016 , 82, 6423-6430	4.8	14
25	<i>Desulfovibrio desulfuricans</i> isolates from the gut of a single individual: structural and biological lipid A characterization. <i>FEBS Letters</i> , 2015 , 589, 165-71	3.8	48
24	Complete <i>Bordetella avium</i> , <i>Bordetella hinzii</i> and <i>Bordetella trematum</i> lipid A structures and genomic sequence analyses of the loci involved in their modifications. <i>Innate Immunity</i> , 2014 , 20, 659-72 ^{2.7}		9

23	Minor modifications to the phosphate groups and the C3Yacyl chain length of lipid A in two <i>Bordetella pertussis</i> strains, BP338 and 18-323, independently affect Toll-like receptor 4 protein activation. <i>Journal of Biological Chemistry</i> , 2013 , 288, 11751-60	5.4	32
22	A new rapid and micro-scale hydrolysis, using triethylamine citrate, for lipopolysaccharide characterization by mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011 , 25, 2043-8	2.2	18
21	Variability in the lipooligosaccharide structure and endotoxicity among <i>Bordetella pertussis</i> strains. <i>Journal of Infectious Diseases</i> , 2010 , 202, 1897-906	7	28
20	Substitution of the <i>Bordetella pertussis</i> lipid A phosphate groups with glucosamine is required for robust NF-kappaB activation and release of proinflammatory cytokines in cells expressing human but not murine Toll-like receptor 4-MD-2-CD14. <i>Infection and Immunity</i> , 2010 , 78, 2060-9	3.7	38
19	Biofilm-forming <i>Pseudomonas aeruginosa</i> bacteria undergo lipopolysaccharide structural modifications and induce enhanced inflammatory cytokine response in human monocytes. <i>Innate Immunity</i> , 2010 , 16, 288-301	2.7	47
18	Glucosamine found as a substituent of both phosphate groups in <i>Bordetella</i> lipid A backbones: role of a BvgAS-activated ArnT ortholog. <i>Journal of Bacteriology</i> , 2008 , 190, 4281-90	3.5	54
17	Simple method for repurification of endotoxins for biological use. <i>Applied and Environmental Microbiology</i> , 2007 , 73, 1803-8	4.8	41
16	A rapid, small-scale procedure for the structural characterization of lipid A applied to <i>Citrobacter</i> and <i>Bordetella</i> strains: discovery of a new structural element. <i>Journal of Lipid Research</i> , 2007 , 48, 2419-27	6.3	35
15	Structure of the <i>Bordetella trematum</i> LPS O-chain subunit. <i>FEBS Letters</i> , 2005 , 579, 18-24	3.8	12
14	Microextraction of bacterial lipid A: easy and rapid method for mass spectrometric characterization. <i>Journal of Lipid Research</i> , 2005 , 46, 1773-8	6.3	127
13	Structure of bacterial lipopolysaccharides. <i>Carbohydrate Research</i> , 2003 , 338, 2431-47	2.9	354
12	Structural characterization of the O-chain polysaccharide isolated from <i>Bordetella avium</i> ATCC 5086: variation on a theme(1). <i>FEBS Letters</i> , 2003 , 535, 11-6	3.8	14
11	Structural and functional analyses of bacterial lipopolysaccharides. <i>Microbes and Infection</i> , 2002 , 4, 915-26	6.3	155
10	Direct microextraction and analysis of rough-type lipopolysaccharides by combined thin-layer chromatography and MALDI mass spectrometry. <i>Analytical Chemistry</i> , 2001 , 73, 3804-7	7.8	70
9	Structure of the <i>Bordetella pertussis</i> 1414 endotoxin. <i>FEBS Letters</i> , 2000 , 477, 8-14	3.8	78
8	Chemical and serological characterization of the <i>Bordetella hinzii</i> lipopolysaccharides. <i>FEBS Letters</i> , 2000 , 485, 40-6	3.8	23
7	Novel variation of lipid A structures in strains of different <i>Yersinia</i> species. <i>FEBS Letters</i> , 2000 , 465, 87-92	3.8	50
6	252Cf-plasma desorption mass spectrometry of unmodified lipid A: fragmentation patterns and localization of fatty acids. <i>Rapid Communications in Mass Spectrometry</i> , 1999 , 13, 2252-9	2.2	26

5	252Cf-plasma desorption mass spectrometry analysis of lipids A obtained by an elimination reaction under mild conditions. <i>Rapid Communications in Mass Spectrometry</i> , 1995 , 9, 693-6	2.2	6
4	Detergent-accelerated hydrolysis of bacterial endotoxins and determination of the anomeric configuration of the glycosyl phosphate present in the "isolated lipid A" fragment of the Bordetella pertussis endotoxin. <i>Carbohydrate Research</i> , 1988 , 175, 273-82	2.9	201
3	Do endotoxins devoid of 3-deoxy-D-manno-2-octulosonic acid exist?. <i>Biochemical and Biophysical Research Communications</i> , 1987 , 143, 845-7	3.4	56
2	Escherichia coli O157:H7 responds to phosphate starvation by modifying LPS involved in biofilm formation		1
1	Leptospiral LPS escapes mouse TLR4 internalization and TRIF-associated antimicrobial responses through O antigen and associated lipoproteins		3