

Martine Caroff

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,959
citations

361413

20
h-index

395702

33
g-index

42
all docs

42
docs citations

42
times ranked

2012
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure of bacterial lipopolysaccharides. Carbohydrate Research, 2003, 338, 2431-2447.	2.3	429
2	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. Carbohydrate Research, 1988, 175, 273-282.	2.3	216
3	Structural and functional analyses of bacterial lipopolysaccharides. Microbes and Infection, 2002, 4, 915-926.	1.9	174
4	Microextraction of bacterial lipid A: easy and rapid method for mass spectrometric characterization. Journal of Lipid Research, 2005, 46, 1773-1778.	4.2	149
5	Structure of the Bordetella pertussis 1414 endotoxin. FEBS Letters, 2000, 477, 8-14.	2.8	91
6	Direct Microextraction and Analysis of Rough-Type Lipopolysaccharides by Combined Thin-Layer Chromatography and MALDI Mass Spectrometry. Analytical Chemistry, 2001, 73, 3804-3807.	6.5	77
7	<i>Desulfovibrio desulfuricans</i> isolates from the gut of a single individual: Structural and biological lipid A characterization. FEBS Letters, 2015, 589, 165-171.	2.8	74
8	Biofilm-forming <i>Pseudomonas aeruginosa</i> bacteria undergo lipopolysaccharide structural modifications and induce enhanced inflammatory cytokine response in human monocytes. Innate Immunity, 2010, 16, 288-301.	2.4	62
9	Do endotoxins devoid of 3-deoxy-D-manno-2-octulosonic acid exist?. Biochemical and Biophysical Research Communications, 1987, 143, 845-847.	2.1	61
10	Glucosamine Found as a Substituent of Both Phosphate Groups in <i>Bordetella</i> Lipid A Backbones: Role of a BvgAS-Activated ArnT Ortholog. Journal of Bacteriology, 2008, 190, 4281-4290.	2.2	61
11	Novel variation of lipid A structures in strains of different <i>Yersinia</i> species 1. FEBS Letters, 2000, 465, 87-92.	2.8	57
12	Substitution of the <i>Bordetella pertussis</i> Lipid A Phosphate Groups with Glucosamine Is Required for Robust NF- κ B Activation and Release of Proinflammatory Cytokines in Cells Expressing Human but Not Murine Toll-Like Receptor 4-MD-2-CD14. Infection and Immunity, 2010, 78, 2060-2069.	2.2	45
13	Simple Method for Repurification of Endotoxins for Biological Use. Applied and Environmental Microbiology, 2007, 73, 1803-1808.	3.1	43
14	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. Journal of Lipid Research, 2007, 48, 2419-2427.	4.2	37
15	Minor Modifications to the Phosphate Groups and the C3 Acyl Chain Length of Lipid A in Two <i>Bordetella pertussis</i> Strains, BP338 and 18-323, Independently Affect Toll-like Receptor 4 Protein Activation. Journal of Biological Chemistry, 2013, 288, 11751-11760.	3.4	35
16	Leptospiral LPS escapes mouse TLR4 internalization and TRIF-associated antimicrobial responses through O antigen and associated lipoproteins. PLoS Pathogens, 2020, 16, e1008639.	4.7	31
17	252Cf-plasma desorption mass spectrometry of unmodified lipid A: fragmentation patterns and localization of fatty acids. , 1999, 13, 2252-2259.		30
18	Variability in the Lipooligosaccharide Structure and Endotoxicity among <i>Bordetella pertussis</i> Strains. Journal of Infectious Diseases, 2010, 202, 1897-1906.	4.0	30

#	ARTICLE	IF	CITATIONS
19	Lipopolysaccharides: structure, function and bacterial identification. OCL - Oilseeds and Fats, Crops and Lipids, 2020, 27, 31.	1.4	30
20	Chemical and serological characterization of the <i>Bordetella hinzii</i> lipopolysaccharides. FEBS Letters, 2000, 485, 40-46.	2.8	27
21	A new rapid and micro-scale hydrolysis, using triethylamine citrate, for lipopolysaccharide characterization by mass spectrometry. Rapid Communications in Mass Spectrometry, 2011, 25, 2043-2048.	1.5	19
22	Antimicrobial Peptide Resistance Genes in the Plant Pathogen <i>Dickeya dadantii</i> . Applied and Environmental Microbiology, 2016, 82, 6423-6430.	3.1	17
23	Structural characterization of the O-chain polysaccharide isolated from <i>Bordetella avium</i> ATCC 5086: variation on a theme. FEBS Letters, 2003, 535, 11-16.	2.8	15
24	Structure of the <i>Bordetella trematum</i> LPS O-chain subunit. FEBS Letters, 2005, 579, 18-24.	2.8	15
25	Micromethods for Isolation and Structural Characterization of Lipid A, and Polysaccharide Regions of Bacterial Lipopolysaccharides. Methods in Molecular Biology, 2017, 1600, 167-186.	0.9	13
26	Structure function relationships in three lipids A from the <i>Ralstonia</i> genus rising in obese patients. Biochimie, 2019, 159, 72-80.	2.6	13
27	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. Innate Immunity, 2014, 20, 659-672.	2.4	10
28	LPS Structure, Function, and Heterogeneity. , 2019, , 53-93.		10
29	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> . Biochimie, 2019, 159, 81-92.	2.6	10
30	252Cf-plasma desorption mass spectrometry analysis of lipids A obtained by an elimination reaction under mild conditions. Rapid Communications in Mass Spectrometry, 1995, 9, 693-696.	1.5	7
31	Structural and biological characteristics of different forms of <i>V. filiformis</i> lipid A: use of MS to highlight structural discrepancies. Journal of Lipid Research, 2017, 58, 543-552.	4.2	7
32	Structure activity characterization of <i>Bordetella petrii</i> lipid A, from environment to human isolates. Biochimie, 2016, 120, 87-95.	2.6	6
33	<i>Bordetella holmesii</i> : Lipid A Structures and Corresponding Genomic Sequences Comparison in Three Clinical Isolates and the Reference Strain ATCC 51541. International Journal of Molecular Sciences, 2017, 18, 1080.	4.1	6
34	Regulation of <i>waaH</i> by PhoB during P _{σ⁵⁴} Starvation Promotes Biofilm Formation by <i>Escherichia coli</i> O157:H7. Journal of Bacteriology, 2019, 201, .	2.2	2
35	Title is missing!. , 2020, 16, e1008639.		0
36	Title is missing!. , 2020, 16, e1008639.		0

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37	Title is missing!. , 2020, 16, e1008639.		0
38	Title is missing!. , 2020, 16, e1008639.		0