Martine Caroff

List of Publications by Year
in descending order

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38 papers	1,959 citations	361296 20 h-index	395590 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.	1.1	429
2	Detergent-accelerated hydrolysis of bacterial endotoxins and determination of the anomeric configuration of the glycosyl phosphate present in the â€œIsolated lipid Aâ€•fragment of the Bordetella pertussis endotoxin. Carbohydrate Research, 1988, 175, 273-282.	1.1	216
3	Structural and functional analyses of bacterial lipopolysaccharides. Microbes and Infection, 2002, 4, 915-926.	1.0	174
4	Microextraction of bacterial lipid A: easy and rapid method for mass spectrometric characterization. Journal of Lipid Research, 2005, 46, 1773-1778.	2.0	149
5	Structure of theBordetella pertussis1414 endotoxin. FEBS Letters, 2000, 477, 8-14.	1.3	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.	3.2	77
7	Desulfovibrio desulfuricans isolates from the gut of a single individual: Structural and biological lipid A characterization. FEBS Letters, 2015, 589, 165-171.	1.3	74
8	Biofilm-forming Pseudomonas aeruginosa bacteria undergo lipopolysaccharide structural modifications and induce enhanced inflammatory cytokine response in human monocytes. Innate Immunity, 2010, 16, 288-301.	1.1	62
9	Do endotoxins devoid of 3-deoxy-D-manno-2-octulosonic acid exist?. Biochemical and Biophysical Research Communications, 1987, 143, 845-847.	1.0	61
10	Glucosamine Found as a Substituent of Both Phosphate Groups inBordetellaLipid A Backbones: Role of a BvgAS-Activated ArnT Ortholog. Journal of Bacteriology, 2008, 190, 4281-4290.	1.0	61
11	Novel variation of lipid A structures in strains of differentYersiniaspecies1. FEBS Letters, 2000, 465, 87-92.	1.3	57
12	Substitution of the Bordetella pertussis Lipid A Phosphate Groups with Glucosamine Is Required for Robust NF-ÎºB 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.	1.0	45
13	Simple Method for Repurification of Endotoxins for Biological Use. Applied and Environmental Microbiology, 2007, 73, 1803-1808.	1.4	43
14	A rapid, small-scale procedure for the structural characterization of lipid A applied to Citrobacter and Bordetella strains: discovery of a new structural element. Journal of Lipid Research, 2007, 48, 2419-2427.	2.0	37
15	Minor Modifications to the Phosphate Groups and the C3â€² Acyl Chain Length of Lipid A in Two Bordetella pertussis Strains, BP338 and 18-323, Independently Affect Toll-like Receptor 4 Protein Activation. Journal of Biological Chemistry, 2013, 288, 11751-11760.	1.6	35
16	Leptospiral LPS escapes mouse TLR4 internalization and TRIFâ€‘associated antimicrobial responses through O antigen and associated lipoproteins. PLoS Pathogens, 2020, 16, e1008639.	2.1	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 amongBordetella pertussisStrains. Journal of Infectious Diseases, 2010, 202, 1897-1906.	1.9	30

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19	Lipopolysaccharides: structure, function and bacterial identification. OCL - Oilseeds and Fats, Crops and Lipids, 2020, 27, 31.	0.6	30
20	Chemical and serological characterization of theBordetella hinziilipopolysaccharides1. FEBS Letters, 2000, 485, 40-46.	1.3	27
21	A new rapid and microâ€scale hydrolysis, using triethylamine citrate, for lipopolysaccharide characterization by mass spectrometry. Rapid Communications in Mass Spectrometry, 2011, 25, 2043-2048.	0.7	19
22	Antimicrobial Peptide Resistance Genes in the Plant Pathogen Dickeya dadantii. Applied and Environmental Microbiology, 2016, 82, 6423-6430.	1.4	17
23	Structural characterization of the O-chain polysaccharide isolated fromBordetella aviumATCC 5086: variation on a theme. FEBS Letters, 2003, 535, 11-16.	1.3	15
24	Structure of theBordetella trematumLPS O-chain subunit. FEBS Letters, 2005, 579, 18-24.	1.3	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.	0.4	13
26	Structure function relationships in three lipids A from the Ralstonia genus rising in obese patients. Biochimie, 2019, 159, 72-80.	1.3	13
27	Complete Bordetella avium, Bordetella hinzii and Bordetella trematum lipid A structures and genomic sequence analyses of the loci involved in their modifications. Innate Immunity, 2014, 20, 659-672.	1.1	10
28	LPS Structure, Function, and Heterogeneity. , 2019, , 53-93.		10
29	A comparative study of the complete lipopolysaccharide structures and biosynthesis loci of Bordetella avium, B. hinzii, and B.Âtrematum. Biochimie, 2019, 159, 81-92.	1.3	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.	0.7	7
31	Structural and biological characteristics of different forms of V. filiformis lipid A: use of MS to highlight structural discrepancies. Journal of Lipid Research, 2017, 58, 543-552.	2.0	7
32	Structure activity characterization of Bordetella petrii lipid A, from environment to human isolates. Biochimie, 2016, 120, 87-95.	1.3	6
33	Bordetella holmesii: 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.	1.8	6
34	Regulation of waaH by PhoB during P _i Starvation Promotes Biofilm Formation by Escherichia coli O157:H7. Journal of Bacteriology, 2019, 201, .	1.0	2
35	Title is missing!. , 2020, 16, e1008639.		0
36	Title is missing!. , 2020, 16, e1008639.		0

#	Article	IF	Citations
37	Title is missing!. , 2020, 16, e1008639.		0
38	Title is missing!. , 2020, 16, e1008639.		0