

Serena Leone

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9473093/publications.pdf>

Version: 2024-02-01

52
papers

1,278
citations

394286

19
h-index

360920

35
g-index

53
all docs

53
docs citations

53
times ranked

1686
citing authors

#	ARTICLE	IF	CITATIONS
1	The human milk oligosaccharide 2- α -fucosyllactose modulates CD14 expression in human enterocytes, thereby attenuating LPS-induced inflammation. <i>Gut</i> , 2016, 65, 33-46.	6.1	217
2	NMR Spectroscopic Assignment of Backbone and Side-Chain Protons in Fully Protonated Proteins: Microcrystals, Sedimented Assemblies, and Amyloid Fibrils. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15504-15509.	7.2	116
3	Human colostrum oligosaccharides modulate major immunologic pathways of immature human intestine. <i>Mucosal Immunology</i> , 2014, 7, 1326-1339.	2.7	108
4	Human Milk Oligosaccharides and Synthetic Galactosyloligosaccharides Contain 3- α -, 4-, and 6- α -Galactosyllactose and Attenuate Inflammation in Human T84, NCM-460, and H4 Cells and Intestinal Tissue Ex Vivo. <i>Journal of Nutrition</i> , 2016, 146, 358-367.	1.3	74
5	Acetate: friend or foe? Efficient production of a sweet protein in <i>Escherichia coli</i> BL21 using acetate as a carbon source. <i>Microbial Cell Factories</i> , 2015, 14, 106.	1.9	59
6	Molecular Structure of Endotoxins from Gram-negative Marine Bacteria: An Update. <i>Marine Drugs</i> , 2007, 5, 85-112.	2.2	58
7	Design of sweet protein based sweeteners: Hints from structure-function relationships. <i>Food Chemistry</i> , 2015, 173, 1179-1186.	4.2	40
8	Sweeter and stronger: enhancing sweetness and stability of the single chain monellin MNEI through molecular design. <i>Scientific Reports</i> , 2016, 6, 34045.	1.6	38
9	The structures of glycolipids isolated from the highly thermophilic bacterium <i>Thermus thermophilus</i> Samu-SA1. <i>Glycobiology</i> , 2006, 16, 766-775.	1.3	35
10	Insights into the G-rich VEGF-binding aptamer V7t1: when two G-quadruplexes are better than one!. <i>Nucleic Acids Research</i> , 2019, 47, 8318-8331.	6.5	32
11	Structure of the Iron-Binding Exopolysaccharide Produced Anaerobically by the Gram-Negative Bacterium <i>Klebsiella oxytoca</i> BAS-10. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 5183-5189.	1.2	29
12	Molecular Dynamics Driven Design of pH-Stabilized Mutants of MNEI, a Sweet Protein. <i>PLoS ONE</i> , 2016, 11, e0158372.	1.1	28
13	A novel type of highly negatively charged lipooligosaccharide from <i>Pseudomonas stutzeri</i> OX1 possessing two 4,6-O-(1-carboxy)-ethylidene residues in the outer core region. <i>FEBS Journal</i> , 2004, 271, 2691-2704.	0.2	26
14	Detailed characterization of the lipid A fraction from the nonpathogen <i>Acinetobacter radioresistens</i> strain S13. <i>Journal of Lipid Research</i> , 2007, 48, 1045-1051.	2.0	25
15	Rheological and sensory performance of a protein-based sweetener (MNEI), sucrose, and aspartame in yogurt. <i>Journal of Dairy Science</i> , 2017, 100, 9539-9550.	1.4	22
16	The complete structure of the lipooligosaccharide from the halophilic bacterium <i>Pseudoalteromonas issachenkonii</i> KMM 3549T. <i>Carbohydrate Research</i> , 2004, 339, 1985-1993.	1.1	21
17	Structural organization of lipid-functionalized-Au nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 168, 2-9.	2.5	21
18	Complete Structural Elucidation of a Novel Lipooligosaccharide from the Outer Membrane of the Marine Bacterium <i>Shewanella pacifica</i> . <i>European Journal of Organic Chemistry</i> , 2005, 2005, 2281-2291.	1.2	20

#	ARTICLE	IF	CITATIONS
19	Structural elucidation of the core-lipid A backbone from the lipopolysaccharide of <i>Acinetobacter radioresistens</i> S13, an organic solvent tolerant Gram-negative bacterium. <i>Carbohydrate Research</i> , 2006, 341, 582-590.	1.1	20
20	Influence of pH on the structure and stability of the sweet protein MNEI. <i>FEBS Letters</i> , 2016, 590, 3681-3689.	1.3	19
21	Zuordnung der Rückgrat- und Seitenkettenprotonen in vollständig protonierten Proteinen durch Festkörperl NMR-Spektroskopie: Mikrokristalle, Sedimente und Amyloidfibrillen. <i>Angewandte Chemie</i> , 2016, 128, 15730-15735.	1.6	18
22	Milk Exosomes Transfer Oligosaccharides into Macrophages to Modulate Immunity and Attenuate Adherent-Invasive <i>E. coli</i> (AIEC) Infection. <i>Nutrients</i> , 2021, 13, 3198.	1.7	18
23	The biofilm matrix of <i>Pseudomonas</i> sp. OX1 grown on phenol is mainly constituted by alginate oligosaccharides. <i>Carbohydrate Research</i> , 2006, 341, 2456-2461.	1.1	17
24	The O-specific polysaccharide structure from the lipopolysaccharide of the Gram-negative bacterium <i>Raoultella terrigena</i> . <i>Carbohydrate Research</i> , 2007, 342, 1514-1518.	1.1	16
25	Getting value from the waste: recombinant production of a sweet protein by <i>Lactococcus lactis</i> grown on cheese whey. <i>Microbial Cell Factories</i> , 2018, 17, 126.	1.9	16
26	The structure of the phosphorylated carbohydrate backbone of the lipopolysaccharide of the phytopathogen bacterium <i>Pseudomonas tolaasii</i> . <i>Carbohydrate Research</i> , 2004, 339, 2241-2248.	1.1	15
27	The O-chain structure from the LPS of the endophytic bacterium <i>Burkholderia cepacia</i> strain ASP B 2D. <i>Carbohydrate Research</i> , 2006, 341, 2954-2958.	1.1	15
28	The structure of the O-polysaccharide from <i>Pseudomonas stutzeri</i> OX1 containing two different 4-acetylamido-4,6-dideoxy-residues, tomosamine and perosamine. <i>Carbohydrate Research</i> , 2005, 340, 651-656.	1.1	13
29	pH driven fibrillar aggregation of the super-sweet protein Y65R-MNEI: A step-by-step structural analysis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 808-815.	1.1	13
30	The Outer Membrane of the Marine Gram-Negative Bacterium <i>Alteromonas addita</i> is Composed of a Very Short-Chain Lipopolysaccharide with a High Negative Charge Density. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 1113-1122.	1.2	12
31	The structural elucidation of the <i>Salmonella enterica</i> subsp. <i>enterica</i> , reveals that it contains both O-factors 4 and 5 on the LPS antigen. <i>Carbohydrate Research</i> , 2013, 370, 9-12.	1.1	11
32	Disordered Peptides Looking for Their Native Environment: Structural Basis of CB1 Endocannabinoid Receptor Binding to Peptides. <i>Frontiers in Molecular Biosciences</i> , 2018, 5, 100.	1.6	11
33	The structure of the O-specific polysaccharide from the lipopolysaccharide of <i>Pseudomonas</i> sp. OX1 cultivated in the presence of the azo dye Orange II. <i>Carbohydrate Research</i> , 2008, 343, 674-684.	1.1	10
34	Absolute Configuration of 8-Amino-3,8-dideoxyoct-2-ulosonic Acid, the Chemical Hallmark of Lipopolysaccharides of the Genus <i>Shewanella</i> . <i>Journal of Natural Products</i> , 2007, 70, 1624-1627.	1.5	9
35	A Super Stable Mutant of the Plant Protein Monellin Endowed with Enhanced Sweetness. <i>Life</i> , 2021, 11, 236.	1.1	9
36	Structural effects of methylglyoxal glycation, a study on the model protein MNEI. <i>Molecular and Cellular Biochemistry</i> , 2019, 451, 165-171.	1.4	8

#	ARTICLE	IF	CITATIONS
37	Structure of minor oligosaccharides from the lipopolysaccharide fraction from <i>Pseudomonas stutzeri</i> OX1. <i>Carbohydrate Research</i> , 2004, 339, 2657-2665.	1.1	7
38	Salt Modulated Fibrillar Aggregation of the Sweet Protein MNEI in Aqueous Solution. <i>Journal of Solution Chemistry</i> , 2018, 47, 939-949.	0.6	6
39	First identification and characterization of detoxifying plastic-degrading DBP hydrolases in the marine diatom <i>Cylindrotheca closterium</i> . <i>Science of the Total Environment</i> , 2022, 812, 152535.	3.9	6
40	High-level production of single chain monellin mutants with enhanced sweetness and stability in tobacco chloroplasts. <i>Planta</i> , 2018, 248, 465-476.	1.6	5
41	Structure, stability and aggregation propensity of a Ribonuclease A-Onconase chimera. <i>International Journal of Biological Macromolecules</i> , 2019, 133, 1125-1133.	3.6	5
42	Probing structural changes during amyloid aggregation of the sweet protein MNEI. <i>FEBS Journal</i> , 2020, 287, 2808-2822.	2.2	5
43	Temporal sweetness profile of the emerging sweetener MNEI in stirred yogurt. <i>Journal of Sensory Studies</i> , 2019, 34, e12505.	0.8	4
44	Metabolic Effects of the Sweet Protein MNEI as a Sweetener in Drinking Water. A Pilot Study of a High Fat Dietary Regimen in a Rodent Model. <i>Nutrients</i> , 2019, 11, 2643.	1.7	4
45	A Survey on the Distribution of <i>Ovotliol</i> and <i>ovoA</i> Gene Expression in Different Tissues and Cells: A Comparative Analysis in Sea Urchins and Mussels. <i>Marine Drugs</i> , 2022, 20, 268.	2.2	4
46	The structures of the cell wall teichoic acids from the thermophilic microorganism <i>Geobacillus thermoleovorans</i> strain Fango. <i>Carbohydrate Research</i> , 2006, 341, 2613-2618.	1.1	3
47	Production and characterization of a fusion form of hepatitis E virus ORF2 capsid protein in <i>Escherichia coli</i> . <i>Preparative Biochemistry and Biotechnology</i> , 2021, 51, 562-569.	1.0	3
48	Understanding the self-assembly pathways of a single chain variant of monellin: A first step towards the design of sweet nanomaterials. <i>International Journal of Biological Macromolecules</i> , 2020, 152, 21-29.	3.6	3
49	Molecular Structure of Endotoxins from Gram-negative Marine Bacteria: An Update. <i>Marine Drugs</i> , 2007, 5, 85-112.	2.2	3
50	Human milk oligosaccharides and galactosyloligosaccharides attenuate inflammation in human intestine. <i>FASEB Journal</i> , 2015, 29, 252.1.	0.2	1
51	Sweeter and Stronger: Structural-Driven Molecular Design to Enhance Sweetness and Stability of the Single Chain Monellin MNEI. <i>Biophysical Journal</i> , 2017, 112, 53a.	0.2	0
52	Solution structure of insect CSP and OBPs by NMR. <i>Methods in Enzymology</i> , 2020, 642, 169-192.	0.4	0