Wesley F Zandberg

List of Publications by Year
in descending order

44 papers	1,752 citations	331538 21 h-index	276775 41 g-index
46 all docs	46 docs citations	46 times ranked	2414 citing authors

#	Article	IF	Citations
1	Metabolism of a hybrid algal galactan by members of the human gut microbiome. Nature Chemical Biology, 2022, 18, 501-510.	3.9	21
2	Impact of hormone applications on ripening-related metabolites in GewÃ¼rztraminer grapes (Vitis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.2	16
3	Maternal Intake of Dietary Fat Preâ€Programs Offspring's Gut Ecosystem Altering Colonization Resistance and Immunity to Infectious Colitis in Mice. Molecular Nutrition and Food Research, 2021, 65, 2000635.	1.5	2
4	Unique volatile chemical profiles produced by indigenous and commercial strains of <i>Saccharomyces uvarum</i> and <i>Saccharomyces cerevisiae</i> during laboratory-scale Chardonnay fermentations. Oeno One, 2021, 55, 101-122.	0.7	2
5	Glycosidically-Bound Volatile Phenols Linked to Smoke Taint: Stability during Fermentation with Different Yeasts and in Finished Wine. Molecules, 2021, 26, 4519.	1.7	4
6	Large-Scale Reassessment of In-Vineyard Smoke-Taint Grapevine Protection Strategies and the Development of Predictive Off-Vine Models. Molecules, 2021, 26, 4311.	1.7	9
7	Analysis of the biosynthetic flux in bovine milk oligosaccharides reveals competition between sulfated and sialylated species and the existence of glucuronic acid-containing analogues. Food Chemistry, 2021, 361, 130143.	4.2	7
8	Carbohydrate Sulfation As a Mechanism for Fine-Tuning Siglec Ligands. ACS Chemical Biology, 2021, 16, 2673-2689.	1.6	31
9	Kinetic and Structural Characterization of Sialidases (Kdnases) from Ascomycete Fungal Pathogens. ACS Chemical Biology, 2021, 16, 2632-2640.	1.6	1
10	Proximal colonâ€"derived O-glycosylated mucus encapsulates and modulates the microbiota. Science, 2020, 370, 467-472.	6.0	122
11	Host responses to Clostridium perfringens challenge in a chicken model of chronic stress. Gut Pathogens, 2020, 12, 24.	1.6	21
12	3D biofilms: in search of the polysaccharides holding together lichen symbioses. FEMS Microbiology Letters, 2020, 367, .	0.7	45
13	Influence of sulfonated and diet-derived human milk oligosaccharides on the infant microbiome and immune markers. Journal of Biological Chemistry, 2020, 295, 4035-4048.	1.6	43
14	The dynamic morphology of glucose as expressed via Raman and terahertz spectroscopy. OSA Continuum, 2020, 3, 515.	1.8	2
15	Structural analysis of broiler chicken small intestinal mucin O-glycan modification by Clostridium perfringens. Poultry Science, 2019, 98, 5074-5088.	1.5	19
16	Development and Evaluation of a Vineyard-Based Strategy To Mitigate Smoke-Taint in Wine Grapes. Journal of Agricultural and Food Chemistry, 2019, 67, 14137-14142.	2.4	21
17	Glycosylation on proteins of the intestine and perimicrovillar membrane of Triatoma (Meccus) pallidipennis , under different feeding conditions. Insect Science, 2019, 26, 796-808.	1.5	6
18	Chromatographic characterisation of 11 phytocannabinoids: Quantitative and fitâ€toâ€purpose performance as a function of extraâ€column variance. Phytochemical Analysis, 2018, 29, 507-515.	1.2	6

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19	Quantitation of Sialic Acids in Infant Formulas by Liquid Chromatographyâ€"Mass Spectrometry: An Assessment of Different Protein Sources and Discovery of New Analogues. Journal of Agricultural and Food Chemistry, 2018, 66, 8114-8123.	2.4	19
20	Detailed characterization of glycosylated sensory-active volatile phenols in smoke-exposed grapes and wine. Food Chemistry, 2018, 259, 147-156.	4.2	29
21	Quantitating Volatile Phenols in Cabernet Franc Berries and Wine after On-Vine Exposure to Smoke from a Simulated Forest Fire. Journal of Agricultural and Food Chemistry, 2018, 66, 695-703.	2.4	20
22	Smoke from simulated forest fire alters secondary metabolites in Vitis vinifera L. berries and wine. Planta, 2018, 248, 1537-1550.	1.6	10
23	Metabolic Inhibitors of Oâ€GlcNAc Transferase That Act Inâ€…Vivo Implicate Decreased Oâ€GlcNAc Levels in Leptinâ€Mediated Nutrient Sensing. Angewandte Chemie, 2018, 130, 7770-7774.	1.6	7
24	Metabolic Inhibitors of Oâ€GlcNAc Transferase That Act Inâ€…Vivo Implicate Decreased Oâ€GlcNAc Levels in Leptinâ€Mediated Nutrient Sensing. Angewandte Chemie - International Edition, 2018, 57, 7644-7648.	7.2	56
25	Capillary Electrophoresis Analysis of Bovine Milk Oligosaccharides Permits an Assessment of the Influence of Diet and the Discovery of Nine Abundant Sulfated Analogues. Journal of Agricultural and Food Chemistry, 2018, 66, 8574-8583.	2.4	21
26	Catalytic Promiscuity of <i>O</i>-GlcNAc Transferase Enables Unexpected Metabolic Engineering of Cytoplasmic Proteins with 2-Azido-2-deoxy-glucose. ACS Chemical Biology, 2017, 12, 206-213.	1.6	34
27	Quantitating Organoleptic Volatile Phenols in Smoke-Exposed <i>Vitis vinifera</i> Berries. Journal of Agricultural and Food Chemistry, 2017, 65, 8418-8425.	2.4	28
28	A Rapid Procedure for the Purification of 8-Aminopyrene Trisulfonate (APTS)-Labeled Glycans for Capillary Electrophoresis (CE)-Based Enzyme Assays. Methods in Molecular Biology, 2017, 1588, 223-236.	0.4	6
29	A Convenient Approach to Stereoisomeric Iminocyclitols: Generation of Potent Brainâ€Permeable OGA Inhibitors. Angewandte Chemie - International Edition, 2015, 54, 15429-15433.	7.2	41
30	O-GlcNAc occurs cotranslationally to stabilize nascent polypeptide chains. Nature Chemical Biology, 2015, 11, 319-325.	3.9	113
31	Synthesis of 4-methylumbelliferyl Î±-d-mannopyranosyl-(1â†'6)-Î²-d-mannopyranoside and development of a coupled fluorescent assay for GH125 exo-Î±-1,6-mannosidases. Bioorganic and Medicinal Chemistry, 2013, 21, 4839-4845.	1.4	7
32	HCF-1 Is Cleaved in the Active Site of O-GlcNAc Transferase. Science, 2013, 342, 1235-1239.	6.0	162
33	Metabolic Inhibition of Sialyl-Lewis X Biosynthesis by 5-Thiofucose Remodels the Cell Surface and Impairs Selectin-Mediated Cell Adhesion*. Journal of Biological Chemistry, 2012, 287, 40021-40030.	1.6	42
34	Metabolism of Vertebrate Amino Sugars with N-Glycolyl Groups. Journal of Biological Chemistry, 2012, 287, 28882-28897.	1.6	23
35	Structural snapshots of the reaction coordinate for O-GlcNAc transferase. Nature Chemical Biology, 2012, 8, 966-968.	3.9	132
36	Photothermal release of small molecules from gold nanoparticles in live cells. Nanomedicine: Nanotechnology, Biology, and Medicine, 2012, 8, 908-915.	1.7	27

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37	5â€Thiomannosides Block the Biosynthesis of Dolicholâ€Linked Oligosaccharides and Mimic Class I Congenital Disorders of Glycosylation. ChemBioChem, 2012, 13, 392-401.	1.3	2
38	Hijacking a biosynthetic pathway yields a glycosyltransferase inhibitor within cells. Nature Chemical Biology, 2011, 7, 174-181.	3.9	291
39	N-Glycosylation controls trafficking, zymogen activation and substrate processing of proprotein convertases PC1/3 and subtilisin kexin isozyme-1. Glycobiology, 2011, 21, 1290-1300.	1.3	19
40	Analysis of a New Family of Widely Distributed Metal-independent Î±-Mannosidases Provides Unique Insight into the Processing of N-Linked Glycans. Journal of Biological Chemistry, 2011, 286, 15586-15596.	1.6	65
41	Mammalian Notch is modified by d-Xyl-Î±1-3-d-Xyl-Î±1-3-d-Glc-Î²1-O-Ser: Implementation of a method to study O-glucosylation. Glycobiology, 2010, 20, 287-299.	1.3	37
42	Photothermal Release of Single-Stranded DNA from the Surface of Gold Nanoparticles Through Controlled Denaturating and Auâˆ’S Bond Breaking. ACS Nano, 2010, 4, 6395-6403.	7.3	132
43	Antimycobacterial activity of UDP-galactopyranose mutase inhibitors. International Journal of Antimicrobial Agents, 2010, 36, 364-368.	1.1	31
44	Capillary Zone Electrophoresis Method for the Separation of Glucosidase Inhibitors in Extracts of <i>Salacia reticulata</i>, a Plant Used in Ayurvedic Treatments of Type-2 Diabetes. Analytical Chemistry, 2010, 82, 5323-5330.	3.2	1