Gege Xu

List of Publications by Year
in descending order

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35 papers	2,919 citations	331259 21 h-index	360668 35 g-index
37 all docs	37 docs citations	37 times ranked	4562 citing authors

#	Article	IF	Citations
1	Microbiota-activated PPAR-Î³ signaling inhibits dysbiotic Enterobacteriaceae expansion. Science, 2017, 357, 570-575.	6.0	796
2	Depletion of Butyrate-Producing Clostridia from the Gut Microbiota Drives an Aerobic Luminal Expansion of Salmonella. Cell Host and Microbe, 2016, 19, 443-454.	5.1	600
3	Mass Spectrometry Approaches to Glycomic and Glycoproteomic Analyses. Chemical Reviews, 2018, 118, 7886-7930.	23.0	277
4	Persistence of Supplemented Bifidobacterium longum subsp. infantis EVC001 in Breastfed Infants. MSphere, 2017, 2, .	1.3	158
5	Absolute Quantitation of Human Milk Oligosaccharides Reveals Phenotypic Variations during Lactation. Journal of Nutrition, 2017, 147, 117-124.	1.3	122
6	Indole-3-lactic acid associated with Bifidobacterium-dominated microbiota significantly decreases inflammation in intestinal epithelial cells. BMC Microbiology, 2020, 20, 357.	1.3	117
7	Recent Advances in the Mass Spectrometry Methods for Glycomics and Cancer. Analytical Chemistry, 2018, 90, 208-224.	3.2	64
8	Metastasis of cholangiocarcinoma is promoted by extended high-mannose glycans. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7633-7644.	3.3	63
9	Revisiting monosaccharide analysis â€“ quantitation of a comprehensive set of monosaccharides using dynamic multiple reaction monitoring. Analyst, The, 2018, 143, 200-207.	1.7	60
10	Composition and Variation of Macronutrients, Immune Proteins, and Human Milk Oligosaccharides in Human Milk From Nonprofit and Commercial Milk Banks. Journal of Human Lactation, 2018, 34, 120-129.	0.8	55
11	Online Coupling of Capillary Electrophoresis with Direct Analysis in Real Time Mass Spectrometry. Analytical Chemistry, 2013, 85, 170-176.	3.2	49
12	Biallelic Mutations in FUT8 Cause a Congenital Disorder of Glycosylation with Defective Fucosylation. American Journal of Human Genetics, 2018, 102, 188-195.	2.6	49
13	Genetic Ablation of Butyrate Utilization Attenuates Gastrointestinal Salmonella Disease. Cell Host and Microbe, 2018, 23, 266-273.e4.	5.1	48
14	Membrane glycomics reveal heterogeneity and quantitative distribution of cell surface sialylation. Chemical Science, 2018, 9, 6271-6285.	3.7	42
15	Human Milk Proteins and Their Glycosylation Exhibit Quantitative Dynamic Variations during Lactation. Journal of Nutrition, 2019, 149, 1317-1325.	1.3	41
16	Site-Specific Glycosylation Quantitation of 50 Serum Glycoproteins Enhanced by Predictive Glycopeptidomics for Improved Disease Biomarker Discovery. Analytical Chemistry, 2019, 91, 5433-5445.	3.2	41
17	A rapid-throughput adaptable method for determining the monosaccharide composition of polysaccharides. International Journal of Mass Spectrometry, 2019, 438, 22-28.	0.7	36
18	Identification of potential sialic acid binding proteins on cell membranes by proximity chemical labeling. Chemical Science, 2019, 10, 6199-6209.	3.7	33

#	Article	IF	Citations
19	Enterocyte glycosylation is responsive to changes in extracellular conditions: implications for membrane functions. Glycobiology, 2017, 27, 847-860.	1.3	31
20	Infection-generated electric field in gut epithelium drives bidirectional migration of macrophages. PLoS Biology, 2019, 17, e3000044.	2.6	28
21	FGF2 Induces Migration of Human Bone Marrow Stromal Cells by Increasing Core Fucosylations on N-Glycans of Integrins. Stem Cell Reports, 2018, 11, 325-333.	2.3	25
22	Deep Structural Analysis and Quantitation of O-Linked Glycans on Cell Membrane Reveal High Abundances and Distinct Glycomic Profiles Associated with Cell Type and Stages of Differentiation. Analytical Chemistry, 2020, 92, 3758-3768.	3.2	23
23	Bifidobacterium grown on human milk oligosaccharides produce tryptophan metabolite Indoleâ€3â€lactic acid that significantly decreases inflammation in intestinal cells in vitro. FASEB Journal, 2018, 32, lb359.	0.2	20
24	Unveiling the metabolic fate of monosaccharides in cell membranes with glycomic and glycoproteomic analyses. Chemical Science, 2019, 10, 6992-7002.	3.7	19
25	PB-Net: Automatic peak integration by sequential deep learning for multiple reaction monitoring. Journal of Proteomics, 2020, 223, 103820.	1.2	18
26	Graphene matrix for signal enhancement in ambient plasma assisted laser desorption ionization mass spectrometry. Talanta, 2013, 114, 54-59.	2.9	17
27	Intact glycosphingolipidomic analysis of the cell membrane during differentiation yields extensive glycan and lipid changes. Scientific Reports, 2018, 8, 10993.	1.6	16
28	Metabolic flux analysis of the neural cell glycocalyx reveals differential utilization of monosaccharides. Glycobiology, 2020, 30, 859-871.	1.3	15
29	A site-specific map of the human plasma glycome and its age and gender-associated alterations. Scientific Reports, 2020, 10, 17505.	1.6	14
30	Glycanâ€“protein cross-linking mass spectrometry reveals sialic acid-mediated protein networks on cell surfaces. Chemical Science, 2021, 12, 8767-8777.	3.7	14
31	Serum Glycoprotein Markers in Nonalcoholic Steatohepatitis and Hepatocellular Carcinoma. Journal of Proteome Research, 2022, 21, 1083-1094.	1.8	14
32	The DNA repair enzyme MUTYH potentiates cytotoxicity of the alkylating agent MNNG by interacting with abasic sites. Journal of Biological Chemistry, 2020, 295, 3692-3707.	1.6	10
33	Glycan biomarkers of autoimmunity and bile acid-associated alterations of the human glycome: Primary biliary cirrhosis and primary sclerosing cholangitis-specific glycans. Clinical Immunology, 2021, 230, 108825.	1.4	2
34	System Metaglycomes: Mapping Dynamic Cell Surface Nâ€glycome, Oâ€glycome and Glycolipidome by Mass Spectrometry. FASEB Journal, 2018, 32, 673.11.	0.2	1
35	The glycoproteomics of hawk and caiman tears. BMC Veterinary Research, 2021, 17, 381.	0.7	0