Gege Xu

List of Publications by Year
in descending order

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Version: 2024-02-01

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	Serum Glycoprotein Markers in Nonalcoholic Steatohepatitis and Hepatocellular Carcinoma. Journal of Proteome Research, 2022, 21, 1083-1094.	1.8	14
2	Glycanâ€“protein cross-linking mass spectrometry reveals sialic acid-mediated protein networks on cell surfaces. Chemical Science, 2021, 12, 8767-8777.	3.7	14
3	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
4	The glycoproteomics of hawk and caiman tears. BMC Veterinary Research, 2021, 17, 381.	0.7	0
5	Indole-3-lactic acid associated with Bifidobacterium-dominated microbiota significantly decreases inflammation in intestinal epithelial cells. BMC Microbiology, 2020, 20, 357.	1.3	117
6	A site-specific map of the human plasma glycome and its age and gender-associated alterations. Scientific Reports, 2020, 10, 17505.	1.6	14
7	PB-Net: Automatic peak integration by sequential deep learning for multiple reaction monitoring. Journal of Proteomics, 2020, 223, 103820.	1.2	18
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	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
10	Metabolic flux analysis of the neural cell glycocalyx reveals differential utilization of monosaccharides. Glycobiology, 2020, 30, 859-871.	1.3	15
11	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
12	Unveiling the metabolic fate of monosaccharides in cell membranes with glycomic and glycoproteomic analyses. Chemical Science, 2019, 10, 6992-7002.	3.7	19
13	Human Milk Proteins and Their Glycosylation Exhibit Quantitative Dynamic Variations during Lactation. Journal of Nutrition, 2019, 149, 1317-1325.	1.3	41
14	Identification of potential sialic acid binding proteins on cell membranes by proximity chemical labeling. Chemical Science, 2019, 10, 6199-6209.	3.7	33
15	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
16	Infection-generated electric field in gut epithelium drives bidirectional migration of macrophages. PLoS Biology, 2019, 17, e3000044.	2.6	28
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	Genetic Ablation of Butyrate Utilization Attenuates Gastrointestinal Salmonella Disease. Cell Host and Microbe, 2018, 23, 266-273.e4.	5.1	48

#	Article	IF	Citations
19	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
20	Mass Spectrometry Approaches to Glycomic and Glycoproteomic Analyses. Chemical Reviews, 2018, 118, 7886-7930.	23.0	277
21	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
22	Recent Advances in the Mass Spectrometry Methods for Glycomics and Cancer. Analytical Chemistry, 2018, 90, 208-224.	3.2	64
23	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
24	Membrane glycomics reveal heterogeneity and quantitative distribution of cell surface sialylation. Chemical Science, 2018, 9, 6271-6285.	3.7	42
25	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
26	Intact glycosphingolipidomic analysis of the cell membrane during differentiation yields extensive glycan and lipid changes. Scientific Reports, 2018, 8, 10993.	1.6	16
27	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
28	System Metaglycomes: Mapping Dynamic Cell Surface Nâ€glycome, Oâ€glycome and Glycolipidome by Mass Spectrometry. FASEB Journal, 2018, 32, 673.11.	0.2	1
29	Enterocyte glycosylation is responsive to changes in extracellular conditions: implications for membrane functions. Glycobiology, 2017, 27, 847-860.	1.3	31
30	Microbiota-activated PPAR-Î³ signaling inhibits dysbiotic Enterobacteriaceae expansion. Science, 2017, 357, 570-575.	6.0	796
31	Persistence of Supplemented Bifidobacterium longum subsp. infantis EVC001 in Breastfed Infants. MSphere, 2017, 2, .	1.3	158
32	Absolute Quantitation of Human Milk Oligosaccharides Reveals Phenotypic Variations during Lactation. Journal of Nutrition, 2017, 147, 117-124.	1.3	122
33	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
34	Graphene matrix for signal enhancement in ambient plasma assisted laser desorption ionization mass spectrometry. Talanta, 2013, 114, 54-59.	2.9	17
35	Online Coupling of Capillary Electrophoresis with Direct Analysis in Real Time Mass Spectrometry. Analytical Chemistry, 2013, 85, 170-176.	3.2	49