

Kazuhiro Aoki

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,412
citations

623734

14
h-index

888059

17
g-index

20
all docs

20
docs citations

20
times ranked

2319
citing authors

#	ARTICLE	IF	CITATIONS
1	Virus-Receptor Interactions of Glycosylated SARS-CoV-2 Spike and Human ACE2 Receptor. <i>Cell Host and Microbe</i> , 2020, 28, 586-601.e6.	11.0	334
2	Dynamic Developmental Elaboration of N-Linked Glycan Complexity in the <i>Drosophila melanogaster</i> Embryo. <i>Journal of Biological Chemistry</i> , 2007, 282, 9127-9142.	3.4	245
3	A mutation in a ganglioside biosynthetic enzyme, ST3GAL5, results in salt & pepper syndrome, a neurocutaneous disorder with altered glycolipid and glycoprotein glycosylation. <i>Human Molecular Genetics</i> , 2014, 23, 418-433.	2.9	144
4	E-selectin receptors on human leukocytes. <i>Blood</i> , 2008, 112, 3744-3752.	1.4	131
5	The Diversity of O-Linked Glycans Expressed during <i>Drosophila melanogaster</i> Development Reflects Stage- and Tissue-specific Requirements for Cell Signaling. <i>Journal of Biological Chemistry</i> , 2008, 283, 30385-30400.	3.4	128
6	GlyTouCan: an accessible glycan structure repository. <i>Glycobiology</i> , 2017, 27, 915-919.	2.5	123
7	Porcine Sperm Bind to Specific 6-Sialylated Biantennary Glycans to Form the Oviduct Reservoir1. <i>Biology of Reproduction</i> , 2012, 87, 147.	2.7	58
8	Global mapping of glycosylation pathways in human-derived cells. <i>Developmental Cell</i> , 2021, 56, 1195-1209.e7.	7.0	46
9	In-Gel β -Elimination and Aqueous Organic Partition for Improved O- and Sulfoglycomics. <i>Analytical Chemistry</i> , 2013, 85, 8692-8699.	6.5	39
10	Mass Spectrometric Quantification of N-Linked Glycans by Reference to Exogenous Standards. <i>Journal of Proteome Research</i> , 2016, 15, 2969-2980.	3.7	36
11	Mucin O-glycans suppress quorum-sensing pathways and genetic transformation in <i>Streptococcus mutans</i> . <i>Nature Microbiology</i> , 2021, 6, 574-583.	13.3	33
12	Mucin O-glycans are natural inhibitors of <i>Candida albicans</i> pathogenicity. <i>Nature Chemical Biology</i> , 2022, 18, 762-773.	8.0	22
13	Sulfated Lewis A trisaccharide on oviduct membrane glycoproteins binds bovine sperm and lengthens sperm lifespan. <i>Journal of Biological Chemistry</i> , 2019, 294, 13445-13463.	3.4	18
14	Glycomics-informed glycoproteomic analysis of site-specific glycosylation for SARS-CoV-2 spike protein. <i>STAR Protocols</i> , 2020, 1, 100214.	1.2	17
15	Mass spectrometric quantification of plasma glycosphingolipids in human GM3 ganglioside deficiency. <i>Clinical Mass Spectrometry</i> , 2019, 14, 106-114.	1.9	12
16	Mucus concentration-dependent biophysical abnormalities unify submucosal gland and superficial airway dysfunction in cystic fibrosis. <i>Science Advances</i> , 2022, 8, eabm9718.	10.3	8
17	Improved In-gel Reductive β -Elimination for Comprehensive O-linked and Sulfo-glycomics by Mass Spectrometry. <i>Journal of Visualized Experiments</i> , 2014, , e51840.	0.3	4
18	Serum N-Glycome Diversity in Teleost and Chondrostean Fishes. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 778383.	3.5	0