

Takane Katayama

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,110
citations

516710

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839539

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docs citations

18
times ranked

1021
citing authors

#	ARTICLE	IF	CITATIONS
1	Bifidobacterium species associated with breastfeeding produce aromatic lactic acids in the infant gut. <i>Nature Microbiology</i> , 2021, 6, 1367-1382.	13.3	176
2	Varied Pathways of Infant Gut-Associated Bifidobacterium to Assimilate Human Milk Oligosaccharides: Prevalence of the Gene Set and Its Correlation with Bifidobacteria-Rich Microbiota Formation. <i>Nutrients</i> , 2020, 12, 71.	4.1	127
3	Evolutionary adaptation in fucosyllactose uptake systems supports bifidobacteria-infant symbiosis. <i>Science Advances</i> , 2019, 5, eaaw7696.	10.3	120
4	Butyrate producing colonic Clostridiales metabolise human milk oligosaccharides and cross feed on mucin via conserved pathways. <i>Nature Communications</i> , 2020, 11, 3285.	12.8	102
5	Lacto-N-biosidase Encoded by a Novel Gene of Bifidobacterium longum Subspecies longum Shows Unique Substrate Specificity and Requires a Designated Chaperone for Its Active Expression. <i>Journal of Biological Chemistry</i> , 2013, 288, 25194-25206.	3.4	83
6	Host-derived glycans serve as selected nutrients for the gut microbe: human milk oligosaccharides and bifidobacteria. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 621-632.	1.3	75
7	1,3-1,4- α -L-Fucosyltransferase That Specifically Introduces Lewis a/x Antigens into Type-1/2 Chains. <i>Journal of Biological Chemistry</i> , 2012, 287, 16709-16719.	3.4	74
8	Tracing microbiota changes in <i>yamahai</i> , the traditional Japanese sake starter. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 399-406.	1.3	56
9	Crystal Structures of a Glycoside Hydrolase Family 20 Lacto-N-biosidase from Bifidobacterium bifidum. <i>Journal of Biological Chemistry</i> , 2013, 288, 11795-11806.	3.4	53
10	Enzymatic Adaptation of Bifidobacterium bifidum to Host Glycans, Viewed from Glycoside Hydrolyases and Carbohydrate-Binding Modules. <i>Microorganisms</i> , 2020, 8, 481.	3.6	41
11	Distinct substrate specificities of three glycoside hydrolase family 42 α -galactosidases from Bifidobacterium longum subsp. infantis ATCC 15697. <i>Glycobiology</i> , 2014, 24, 208-216.	2.5	40
12	A β -galactosidase from Bifidobacterium animalis subsp. lactis... B gives insight into substrate specificities of β -galactoside catabolism within Bifidobacterium. <i>Molecular Microbiology</i> , 2014, 94, 1024-1040.	2.5	35
13	Introduction of H-antigens into oligosaccharides and sugar chains of glycoproteins using highly efficient 1,2- α -L-fucosyltransferase. <i>Glycobiology</i> , 2016, 26, 1235-1247.	2.5	31
14	Bifidobacterial α -galactosidase with unique carbohydrate-binding module specifically acts on blood group B antigen. <i>Glycobiology</i> , 2013, 23, 232-240.	2.5	28
15	α -N-Acetylglucosaminidase from Bifidobacterium bifidum specifically hydrolyzes α -linked N-acetylglucosamine at nonreducing terminus of O-glycan on gastric mucin. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 3941-3948.	3.6	25
16	Generation of a Mutant Mucor hiemalis Endoglycosidase That Acts on Core-fucosylated N-Glycans. <i>Journal of Biological Chemistry</i> , 2016, 291, 23305-23317.	3.4	21
17	Minority species influences microbiota formation: the role of Bifidobacterium with extracellular glycosidases in bifidus flora formation in breastfed infant guts. <i>Microbial Biotechnology</i> , 2019, 12, 259-264.	4.2	15
18	An oral cancer vaccine using a Bifidobacterium vector suppresses tumor growth in a syngeneic mouse bladder cancer model. <i>Molecular Therapy - Oncolytics</i> , 2021, 22, 592-603.	4.4	8