

Jae-Han Kim

List of Publications by Year in descending order

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53
papers

2,255
citations

279701

23
h-index

214721

47
g-index

54
all docs

54
docs citations

54
times ranked

3205
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome analysis of <i>Bifidobacterium bifidum</i> PRL2010 reveals metabolic pathways for host-derived glycan foraging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 19514-19519.	3.3	324
2	High-Mannose Glycans are Elevated during Breast Cancer Progression. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M110.002717.	2.5	253
3	Simultaneous consumption of pentose and hexose sugars: an optimal microbial phenotype for efficient fermentation of lignocellulosic biomass. <i>Applied Microbiology and Biotechnology</i> , 2010, 88, 1077-1085.	1.7	234
4	Evolutionary Glycomics: Characterization of Milk Oligosaccharides in Primates. <i>Journal of Proteome Research</i> , 2011, 10, 1548-1557.	1.8	111
5	Relaxed control of sugar utilization in <i>Lactobacillus brevis</i> . <i>Microbiology (United Kingdom)</i> , 2009, 155, 1351-1359.	0.7	102
6	Biotechnological production of human milk oligosaccharides. <i>Biotechnology Advances</i> , 2012, 30, 1268-1278.	6.0	102
7	Extensive Determination of Glycan Heterogeneity Reveals an Unusual Abundance of High Mannose Glycans in Enriched Plasma Membranes of Human Embryonic Stem Cells. <i>Molecular and Cellular Proteomics</i> , 2012, 11, M111.010660.	2.5	94
8	Glycomic Approach for Potential Biomarkers on Prostate Cancer: Profiling of N-Linked Glycans in Human Sera and pRNS Cell Lines. <i>Disease Markers</i> , 2008, 25, 243-258.	0.6	78
9	A Novel Agarolytic β -Galactosidase Acts on Agarooligosaccharides for Complete Hydrolysis of Agarose into Monomers. <i>Applied and Environmental Microbiology</i> , 2014, 80, 5965-5973.	1.4	78
10	Proteomic Analysis of <i>Bifidobacterium longum</i> subsp. <i>infantis</i> Reveals the Metabolic Insight on Consumption of Prebiotics and Host Glycans. <i>PLoS ONE</i> , 2013, 8, e57535.	1.1	74
11	Metabolic engineering of <i>Escherichia coli</i> to produce 2-fucosyllactose via salvage pathway of guanosine 5-diphosphate (GDP) \rightarrow fucose. <i>Biotechnology and Bioengineering</i> , 2016, 113, 2443-2452.	1.7	73
12	Spatial and temporal diversity of glycome expression in mammalian brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 28743-28753.	3.3	67
13	Modification of Gastric Mucin Oligosaccharide Expression in Rhesus Macaques After Infection With <i>Helicobacter pylori</i> . <i>Gastroenterology</i> , 2009, 137, 1061-1071.e8.	0.6	48
14	Improved production of 2-fucosyllactose in engineered <i>Escherichia coli</i> by expressing putative β -1,2-fucosyltransferase, WcfB from <i>Bacteroides fragilis</i> . <i>Journal of Biotechnology</i> , 2017, 257, 192-198.	1.9	47
15	Enzymatic liquefaction of agarose above the sol-gel transition temperature using a thermostable endo-type β -agarase, Aga16B. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 1111-1120.	1.7	38
16	The human milk oligosaccharides are not affected by pasteurization and freeze-drying. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2019, 32, 985-991.	0.7	36
17	Conversion of rice straw to bio-based chemicals: an integrated process using <i>Lactobacillus brevis</i> . <i>Applied Microbiology and Biotechnology</i> , 2010, 86, 1375-1385.	1.7	33
18	Improvement of a nisin-inducible expression vector for use in lactic acid bacteria. <i>Plasmid</i> , 2007, 58, 275-283.	0.4	32

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19	Type-dependent action modes of TtAA9E and TaAA9A acting on cellulose and differently pretreated lignocellulosic substrates. <i>Biotechnology for Biofuels</i> , 2017, 10, 46.	6.2	30
20	Purification of an iron-chelating peptide from spirulina protein hydrolysates. <i>Journal of the Korean Society for Applied Biological Chemistry</i> , 2014, 57, 91-95.	0.9	29
21	Method for Profiling Mucin Oligosaccharides from Gastric Biopsies of Rhesus Monkeys with and without <i>Helicobacter pylori</i> Infection. <i>Analytical Chemistry</i> , 2007, 79, 8090-8097.	3.2	25
22	Glycomic profiling of targeted serum haptoglobin for gastric cancer using nano LC/MS and LC/MS/MS. <i>Molecular BioSystems</i> , 2016, 12, 3611-3621.	2.9	24
23	Glycomic Analysis of Tear and Saliva in Ocular Rosacea Patients: The Search for a Biomarker. <i>Ocular Surface</i> , 2012, 10, 184-192.	2.2	23
24	Mass Spectrometric Screening of Ovarian Cancer with Serum Glycans. <i>Disease Markers</i> , 2014, 2014, 1-9.	0.6	23
25	A Novel Glycoside Hydrolase Family 5 β -1,3-1,6-Endoglucanase from <i>Saccharophagus degradans</i> 2-40 and Its Transglycosylase Activity. <i>Applied and Environmental Microbiology</i> , 2016, 82, 4340-4349.	1.4	23
26	Designation of fingerprint glycopeptides for targeted glycoproteomic analysis of serum haptoglobin: insights into gastric cancer biomarker discovery. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 1617-1629.	1.9	23
27	Identification and Accurate Quantitation of Biological Oligosaccharide Mixtures. <i>Analytical Chemistry</i> , 2012, 84, 7793-7801.	3.2	22
28	Direct analysis of aberrant glycosylation on haptoglobin in patients with gastric cancer. <i>Oncotarget</i> , 2017, 8, 11094-11104.	0.8	21
29	Human milk oligosaccharides: the novel modulator of intestinal microbiota. <i>BMB Reports</i> , 2012, 45, 433-441.	1.1	17
30	Analytical detection and characterization of biopharmaceutical glycosylation by MS. <i>Bioanalysis</i> , 2016, 8, 711-727.	0.6	16
31	Enzymatic synthesis and characterization of maltoheptaose-based sugar esters. <i>Carbohydrate Polymers</i> , 2019, 218, 126-135.	5.1	16
32	A Comparison of Vitamin and Lutein Concentrations in Breast Milk from Four Asian Countries. <i>Nutrients</i> , 2020, 12, 1794.	1.7	14
33	GH57 amylopullulanase from <i>Desulfurococcus amylolyticus</i> JCM 9188 can make highly branched cyclodextrin via its transglycosylation activity. <i>Enzyme and Microbial Technology</i> , 2018, 114, 15-21.	1.6	13
34	Efficacy of acidic pretreatment for the saccharification and fermentation of alginate from brown macroalgae. <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 959-966.	1.7	12
35	Comprehensive analysis of fatty acids in human milk of four Asian countries. <i>Journal of Dairy Science</i> , 2021, 104, 6496-6507.	1.4	12
36	Atypical ethanol production by carbon catabolite derepressed lactobacilli. <i>Bioresource Technology</i> , 2010, 101, 8790-8797.	4.8	11

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37	A novel maltoheptaose-based sugar ester having excellent emulsifying properties and optimization of its lipase-catalyzed synthesis. <i>Food Chemistry</i> , 2021, 352, 129358.	4.2	11
38	Glycosylation of serum haptoglobin as a marker of gastric cancer: an overview for clinicians. <i>Expert Review of Proteomics</i> , 2020, 17, 109-117.	1.3	9
39	In-depth characterization of non-human sialic acid (Neu5Gc) in human serum using label-free ZIC-HILIC/MRM-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 5227-5237.	1.9	9
40	Impact of Lactic Acid and Hydrogen Ion on the Simultaneous Fermentation of Glucose and Xylose by the Carbon Catabolite Derepressed <i>Lactobacillus brevis</i> ATCC 14869. <i>Journal of Microbiology and Biotechnology</i> , 2016, 26, 1182-1189.	0.9	7
41	Detection of Aberrant Glycosylation of Serum Haptoglobin for Gastric Cancer Diagnosis Using a Middle-Up-Down Glycoproteome Platform. <i>Journal of Personalized Medicine</i> , 2021, 11, 575.	1.1	6
42	Glycosylated proteins preserved over millennia: N-glycan analysis of Tyrolean Iceman, Scythian Princess and Warrior. <i>Scientific Reports</i> , 2014, 4, 4963.	1.6	5
43	Comparison of Catalyzing Properties of Bacterial 4- α -Glucanotransferases Focusing on Their Cyclizing Activity. <i>Journal of Microbiology and Biotechnology</i> , 2021, 31, 43-50.	0.9	5
44	Comparative Whole Cell Proteomics of <i>Listeria monocytogenes</i> at Different Growth Temperatures. <i>Journal of Microbiology and Biotechnology</i> , 2020, 30, 259-270.	0.9	4
45	Comparative and bioinformatics analyses of pathogenic bacterial secretomes identified by mass spectrometry in <i>Burkholderia</i> species. <i>Journal of Microbiology</i> , 2017, 55, 568-582.	1.3	3
46	Discovery of N-glycan Biomarkers for the Canine Osteoarthritis. <i>Life</i> , 2020, 10, 199.	1.1	3
47	Isomer-Specific Monitoring of Sialylated N-Glycans Reveals Association of α 2,3-Linked Sialic Acid Epitope With Behçet's Disease. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 778851.	1.6	3
48	Variation of Triterpenic Acids in 12 Wild <i>Syzygium formosum</i> and Anti-Inflammation Activity on Human Keratinocyte HaCaT. <i>Plants</i> , 2021, 10, 2428.	1.6	3
49	Activation of galactose utilization by the addition of glucose for the fermentation of agar hydrolysate using <i>Lactobacillus brevis</i> ATCC 14869. <i>Biotechnology Letters</i> , 2022, 44, 823-830.	1.1	2
50	Impact of High-Level Expression of Heterologous Protein on <i>Lactococcus lactis</i> Host. <i>Journal of Microbiology and Biotechnology</i> , 2017, 27, 1345-1358.	0.9	1
51	Biopurification of Oligosaccharides by Immobilized <i>Kluyveromyces Lactis</i> . <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2845.	1.3	0
52	Optimization of Cell Viability and Environmental Factor for the High Cell Density Cultivation of <i>Bifidobacterium</i> sp.. <i>KSBB Journal</i> , 2020, 35, 34-43.	0.1	0
53	Comparative Phytochemical Analysis of <i>Syzygium formosum</i> (Wall.) Masam Leaf and Its Biological Activities. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10552.	1.3	0