

Jingyao Qu

List of Publications by Year in descending order

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29
papers

1,316
citations

361413

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454955

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times ranked

1473
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#	ARTICLE	IF	CITATIONS
1	Streamlined Subclass-Specific Absolute Quantification of Serum IgG Glycopeptides Using Synthetic Isotope-Labeled Standards. <i>Analytical Chemistry</i> , 2021, 93, 4449-4455.	6.5	12
2	Rational designed mutagenesis of levansucrase from <i>Bacillus licheniformis</i> 8-37-0-1 for product specificity study. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 3217-3228.	3.6	31
3	Diethylaminoethyl Sepharose (DEAE-Sepharose) microcolumn for enrichment of glycopeptides. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 511-518.	3.7	19
4	An OGA-Resistant Probe Allows Specific Visualization and Accurate Identification of α -GlcNAc-Modified Proteins in Cells. <i>ACS Chemical Biology</i> , 2016, 11, 3002-3006.	3.4	55
5	Improvement of core-fucosylated glycoproteome coverage via alternating HCD and ETD fragmentation. <i>Journal of Proteomics</i> , 2016, 146, 90-98.	2.4	14
6	Chemoenzymatic synthesis of the bacterial polysaccharide repeating unit undecaprenyl pyrophosphate and its analogs. <i>Nature Protocols</i> , 2016, 11, 1280-1298.	12.0	16
7	Biochemical characterization of an α 1,2-colitosyltransferase from <i>Escherichia coli</i> O55:H7. <i>Glycobiology</i> , 2016, 26, 493-500.	2.5	4
8	Characterizing non-hydrolyzing <i>Neisseria meningitidis</i> serogroup A UDP-N-acetylglucosamine (UDP-GlcNAc) 2-epimerase using UDP-N-acetylmannosamine (UDP-ManNAc) and derivatives. <i>Carbohydrate Research</i> , 2016, 419, 18-28.	2.3	10
9	Transforming Flask Reaction into Cell-Based Synthesis: Production of Polyhydroxylated Molecules via Engineered <i>Escherichia coli</i> . <i>ACS Catalysis</i> , 2015, 5, 4060-4065.	11.2	24
10	Efficient chemoenzymatic synthesis of novel galacto-N-biose derivatives and their sialylated forms. <i>Chemical Communications</i> , 2015, 51, 10310-10313.	4.1	22
11	Improved one-pot multienzyme (OPME) systems for synthesizing UDP-uronic acids and glucuronides. <i>Chemical Communications</i> , 2015, 51, 4595-4598.	4.1	39
12	A <i>Photobacterium</i> sp. α 6-sialyltransferase (Psp2,6ST) mutant with an increased expression level and improved activities in sialylating Tn antigens. <i>Carbohydrate Research</i> , 2015, 408, 127-133.	2.3	21
13	Convenient and Precise Strategy for Mapping N-Glycosylation Sites Using Microwave-Assisted Acid Hydrolysis and Characteristic Ions Recognition. <i>Analytical Chemistry</i> , 2015, 87, 7833-7839.	6.5	20
14	Efficient chemoenzymatic synthesis of an N-glycan isomer library. <i>Chemical Science</i> , 2015, 6, 5652-5661.	7.4	114
15	A precise approach in large scale core-fucosylated glycoprotein identification with low- and high-normalized collision energy. <i>Journal of Proteomics</i> , 2015, 114, 61-70.	2.4	30
16	Synthetic Disialyl Hexasaccharides Protect Neonatal Rats from Necrotizing Enterocolitis. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6687-6691.	13.8	69
17	Chemoenzymatic synthesis of ADP-d-glycero- β -d-manno-heptose and study of the substrate specificity of HldE. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 1139-1147.	3.0	11
18	Donor substrate promiscuity of the N-acetylglucosaminyltransferase activities of <i>Pasteurella multocida</i> heparosan synthase 2 (PmHS2) and <i>Escherichia coli</i> K5 KfiA. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 1127-1134.	3.6	20

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19	Highly efficient one-pot multienzyme (OPME) synthesis of glycans with fluoros-tag assisted purification. <i>Chemical Communications</i> , 2014, 50, 3159-3162.	4.1	23
20	One-pot multi-enzyme (OPME) chemoenzymatic synthesis of sialyl-Tn-MUC1 and sialyl-T-MUC1 glycopeptides containing natural or non-natural sialic acid. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 4778-4785.	3.0	45
21	Synthesis of selective inhibitors against <i>V. cholerae</i> sialidase and human cytosolic sialidase NEU2. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 6112.	2.8	25
22	A Sialyltransferase Mutant with Decreased Donor Hydrolysis and Reduced Sialidase Activities for Directly Sialylating Lewis ^x . <i>ACS Chemical Biology</i> , 2012, 7, 1232-1240.	3.4	135
23	Efficient one-pot multienzyme synthesis of UDP-sugars using a promiscuous UDP-sugar pyrophosphorylase from <i>Bifidobacterium longum</i> (BLUSP). <i>Chemical Communications</i> , 2012, 48, 2728.	4.1	114
24	One-pot three-enzyme synthesis of UDP-GlcNAc derivatives. <i>Chemical Communications</i> , 2011, 47, 10815.	4.1	97
25	Identifying selective inhibitors against the human cytosolic sialidase NEU2 by substrate specificity studies. <i>Molecular BioSystems</i> , 2011, 7, 1060.	2.9	53
26	Substrate Promiscuity of N-Acetylhexosamine 1-Kinases. <i>Molecules</i> , 2011, 16, 6396-6407.	3.8	74
27	Amelioration of sepsis by inhibiting sialidase-mediated disruption of the CD24-SiglecG interaction. <i>Nature Biotechnology</i> , 2011, 29, 428-435.	17.5	158
28	Simultaneous Biodegradation of S, N, and O Pollutants by Engineering of a Carbazole-Degrading Gene Cassette in a Recombinant Biocatalyst. <i>Applied and Environmental Microbiology</i> , 2006, 72, 7373-7376.	3.1	21
29	Microbial desulfurization of gasoline by free whole-cells of <i>Rhodococcus erythropolis</i> XP. <i>FEMS Microbiology Letters</i> , 2006, 258, 284-289.	1.8	36