Bernard Priem

List of Publications by Year
in descending order

27	982	516710 16	501196 28
papers	citations	h-index	g-index

29	29	29	831
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A new fermentation process allows large-scale production of human milk oligosaccharides by metabolically engineered bacteria. Glycobiology, 2002, 12, 235-240.	2.5	187
2	Mannosyl- and Xylosyl-Containing Glycans Promote Tomato (Lycopersicon esculentum Mill.) Fruit Ripening. Plant Physiology, 1992, 98, 399-401.	4.8	111
3	Sulphated exopolysaccharides produced by two unicellular strains of cyanobacteria, Synechocystis PCC 6803 and 6714. Archives of Microbiology, 1988, 150, 558-563.	2.2	79
4	In vivo fucosylation of lacto-N-neotetraose and lacto-N-neohexaose by heterologous expression of Helicobacter pylori alpha-1,3 fucosyltransferase in engineered Escherichia coli. Glycoconjugate Journal, 2001, 18, 465-474.	2.7	76
5	Large-Scale In Vivo Synthesis of the Carbohydrate Moieties of Gangliosides GM1 and GM2 by Metabolically Engineered Escherichia coli. ChemBioChem, 2003, 4, 406-412.	2.6	75
6	Assessment of the Two Helicobacter pylori Î±-1,3-Fucosyltransferase Ortholog Genes for the Large-Scale Synthesis of LewisX Human Milk Oligosaccharides by Metabolically Engineered Escherichia coli. Biotechnology Progress, 2008, 20, 412-419.	2.6	63
7	Isolation and characterization of free glycans of the oligomannoside type from the extracellular medium of a plant cell suspension. Glycoconjugate Journal, 1990, 7, 121-132.	2.7	47
8	Purification and properties of an endo-1,4-xylanase excreted by a hydrolytic thermophilic anaerobe, Clostridium thermolacticum. A proposal for its action mechanism on larchwood 4-O-methylglucuronoxylan. FEBS Journal, 1990, 187, 573-580.	0.2	42
9	Unconjugated N-glycans as a new class of plant oligosaccharins. Biochemical Society Transactions, 1994, 22, 398-402.	3.4	36
10	Production of intracellular heparosan and derived oligosaccharides by lyase expression in metabolically engineered E. coli K-12. Carbohydrate Research, 2012, 360, 19-24.	2.3	33
11	Supported Lipopolysaccharide Bilayers. Langmuir, 2012, 28, 12199-12208.	3.5	30
12	Glycomimicry: Display of the GM3 sugar epitope on Escherichia coli and Salmonella enterica sv Typhimurium. Glycobiology, 2010, 20, 1289-1297.	2.5	23
13	Substrate binding mode and catalytic mechanism of human heparan sulfate <scp>d</scp> -glucuronyl C5 epimerase. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6760-6765.	7.1	23
14	Glucuronylation in Escherichia coli for the bacterial synthesis of the carbohydrate moiety of nonsulfated HNK-1. Glycobiology, 2008, 18, 152-157.	2.5	22
15	Production of recombinant xenotransplantation antigen in Escherichia coli. Biochemical and Biophysical Research Communications, 2003, 302, 620-624.	2.1	18
16	Chaperone-assisted expression of KfiC glucuronyltransferase from Escherichia coli K5 leads to heparosan production in Escherichia coli BL21 in absence of the stabilisator KfiB. Applied Microbiology and Biotechnology, 2016, 100, 10355-10361.	3.6	18
17	Synthesis of allyl 2-O-(Î±-l-arabinofuranosyl)-6-O-(Î±-d-mannopyranosyl)-Î²-d-mannopyranoside, a unique plant N-glycan motif containing arabinose. Carbohydrate Research, 2000, 329, 431-439.	2.3	17
18	Glycomimicry: display of fucosylation on the lipo-oligosaccharide of recombinant Escherichia coli K12. Glycoconjugate Journal, 2011, 28, 39-47.	2.7	16

#	Article	IF	Citations
19	Low cost and sustainable hyaluronic acid production in a manufacturing platform based on Bacillus subtilis 3NA strain. Applied Microbiology and Biotechnology, 2021, 105, 3075-3086.	3.6	13
20	Chemo-bacterial synthesis and immunoreactivity of a brain HNK-1 analogue. Carbohydrate Research, 2011, 346, 348-351.	2.3	11
21	Chemo-bacterial synthesis of conjugatable glycosaminoglycans. Carbohydrate Polymers, 2017, 167, 123-128.	10.2	9
22	Bacterial synthesis of polysialic acid lactosides in recombinantEscherichia coliK-12. Glycobiology, 2016, 26, 723-731.	2.5	8
23	Chemobacterial Synthesis of a Sialylâ€Tn Cyclopeptide Vaccine Candidate. ChemBioChem, 2017, 18, 1730-1734.	2.6	7
24	Use of the Avidin-Biotin Complex for Specific Immobilization of Xyloglucan Polysaccharides1. Journal of Carbohydrate Chemistry, 1997, 16, 625-633.	1.1	6
25	Chemoenzymatic Syntheses of Sialylated Oligosaccharides Containing C5â€Modified Neuraminic Acids for Dual Inhibition of Hemagglutinins and Neuraminidases. Chemistry - A European Journal, 2015, 21, 10903-10912.	3.3	5
26	Misincorporation of Galactose by Chondroitin Synthase of Escherichia coli K4: From Traces to Synthesis of Chondbiuronan, a Novel Chondroitin-Like Polysaccharide. Biomolecules, 2020, 10, 1667.	4.0	5
27	Neuraminidase activity of blue eye disease porcine rubulavirus: Specificity, affinity and inhibition studies. Research in Veterinary Science, 2017, 114, 218-224.	1.9	1