

Bernard Priem

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Low cost and sustainable hyaluronic acid production in a manufacturing platform based on <i>Bacillus subtilis</i> 3NA strain. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 3075-3086.	3.6	13
2	Misincorporation of Galactose by Chondroitin Synthase of <i>Escherichia coli</i> K4: From Traces to Synthesis of Chondbiuronan, a Novel Chondroitin-Like Polysaccharide. <i>Biomolecules</i> , 2020, 10, 1667.	4.0	5
3	Substrate binding mode and catalytic mechanism of human heparan sulfate C5 epimerase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 6760-6765.	7.1	23
4	Neuraminidase activity of blue eye disease porcine rubulavirus: Specificity, affinity and inhibition studies. <i>Research in Veterinary Science</i> , 2017, 114, 218-224.	1.9	1
5	Chemo-bacterial synthesis of conjugatable glycosaminoglycans. <i>Carbohydrate Polymers</i> , 2017, 167, 123-128.	10.2	9
6	Chemobacterial Synthesis of a Sialylated Cyclopeptide Vaccine Candidate. <i>ChemBioChem</i> , 2017, 18, 1730-1734.	2.6	7
7	Chaperone-assisted expression of KfiC glucuronyltransferase from <i>Escherichia coli</i> K5 leads to heparosan production in <i>Escherichia coli</i> BL21 in absence of the stabilisator KfiB. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 10355-10361.	3.6	18
8	Bacterial synthesis of polysialic acid lactosides in recombinant <i>Escherichia coli</i> K-12. <i>Glycobiology</i> , 2016, 26, 723-731.	2.5	8
9	Chemoenzymatic Syntheses of Sialylated Oligosaccharides Containing C5-Modified Neuraminic Acids for Dual Inhibition of Hemagglutinins and Neuraminidases. <i>Chemistry - A European Journal</i> , 2015, 21, 10903-10912.	3.3	5
10	Production of intracellular heparosan and derived oligosaccharides by lyase expression in metabolically engineered <i>E. coli</i> K-12. <i>Carbohydrate Research</i> , 2012, 360, 19-24.	2.3	33
11	Supported Lipopolysaccharide Bilayers. <i>Langmuir</i> , 2012, 28, 12199-12208.	3.5	30
12	Glycomimicry: display of fucosylation on the lipo-oligosaccharide of recombinant <i>Escherichia coli</i> K12. <i>Glycoconjugate Journal</i> , 2011, 28, 39-47.	2.7	16
13	Chemo-bacterial synthesis and immunoreactivity of a brain HNK-1 analogue. <i>Carbohydrate Research</i> , 2011, 346, 348-351.	2.3	11
14	Glycomimicry: Display of the GM3 sugar epitope on <i>Escherichia coli</i> and <i>Salmonella enterica</i> sv Typhimurium. <i>Glycobiology</i> , 2010, 20, 1289-1297.	2.5	23
15	Assessment of the Two <i>Helicobacter pylori</i> 1,3-Fucosyltransferase Ortholog Genes for the Large-Scale Synthesis of LewisX Human Milk Oligosaccharides by Metabolically Engineered <i>Escherichia coli</i> . <i>Biotechnology Progress</i> , 2008, 20, 412-419.	2.6	63
16	Glucuronylation in <i>Escherichia coli</i> for the bacterial synthesis of the carbohydrate moiety of nonsulfated HNK-1. <i>Glycobiology</i> , 2008, 18, 152-157.	2.5	22
17	Large-Scale In Vivo Synthesis of the Carbohydrate Moieties of Gangliosides GM1 and GM2 by Metabolically Engineered <i>Escherichia coli</i> . <i>ChemBioChem</i> , 2003, 4, 406-412.	2.6	75
18	Production of recombinant xenotransplantation antigen in <i>Escherichia coli</i> . <i>Biochemical and Biophysical Research Communications</i> , 2003, 302, 620-624.	2.1	18

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19	A new fermentation process allows large-scale production of human milk oligosaccharides by metabolically engineered bacteria. <i>Glycobiology</i> , 2002, 12, 235-240.	2.5	187
20	In vivo fucosylation of lacto-N-neotetraose and lacto-N-neohexaose by heterologous expression of <i>Helicobacter pylori</i> alpha-1,3 fucosyltransferase in engineered <i>Escherichia coli</i> . <i>Glycoconjugate Journal</i> , 2001, 18, 465-474.	2.7	76
21	Synthesis of allyl 2-O-(1- α -L-arabinofuranosyl)-6-O-(1- α -D-mannopyranosyl)-1- β -D-mannopyranoside, a unique plant N-glycan motif containing arabinose. <i>Carbohydrate Research</i> , 2000, 329, 431-439.	2.3	17
22	Use of the Avidin-Biotin Complex for Specific Immobilization of Xyloglucan Polysaccharides1. <i>Journal of Carbohydrate Chemistry</i> , 1997, 16, 625-633.	1.1	6
23	Unconjugated N-glycans as a new class of plant oligosaccharins. <i>Biochemical Society Transactions</i> , 1994, 22, 398-402.	3.4	36
24	Mannosyl- and Xylosyl-Containing Glycans Promote Tomato (<i>Lycopersicon esculentum</i> Mill.) Fruit Ripening. <i>Plant Physiology</i> , 1992, 98, 399-401.	4.8	111
25	Purification and properties of an endo-1,4-xylanase excreted by a hydrolytic thermophilic anaerobe, <i>Clostridium thermolacticum</i> . A proposal for its action mechanism on larchwood 4-O-methylglucuronoxylan. <i>FEBS Journal</i> , 1990, 187, 573-580.	0.2	42
26	Isolation and characterization of free glycans of the oligomannoside type from the extracellular medium of a plant cell suspension. <i>Glycoconjugate Journal</i> , 1990, 7, 121-132.	2.7	47
27	Sulphated exopolysaccharides produced by two unicellular strains of cyanobacteria, <i>Synechocystis</i> PCC 6803 and 6714. <i>Archives of Microbiology</i> , 1988, 150, 558-563.	2.2	79