

Paul Kosma

List of Publications by Year in descending order

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229
papers

7,536
citations

57681

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90395

73
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all docs

244
docs citations

244
times ranked

7471
citing authors

#	ARTICLE	IF	CITATIONS
1	Achieving Absolute Molar Lipid Concentrations: A Phospholipidomics Cross-Validation Study. <i>Analytical Chemistry</i> , 2022, 94, 1618-1625.	3.2	4
2	Synthetic Neoglycoconjugates of Hepta- and Nonamannoside Ligands for Eliciting Oligomannose-specific HIV-1 Neutralizing Antibodies. <i>ChemBioChem</i> , 2022, 23, .	1.3	0
3	A Lead-Based Fragment Library Screening of the Glycosyltransferase WaaG from <i>Escherichia coli</i> . <i>Pharmaceuticals</i> , 2022, 15, 209.	1.7	3
4	Determination of modification degree of polysialylated therapeutic proteins using 1H-NMR spectroscopy. <i>International Journal of Biological Macromolecules</i> , 2021, 185, 1015-1021.	3.6	0
5	Potential of Inulin-Fructooligosaccharides Extract Produced from Red Onion (<i>Allium cepa</i> var.) Tj ETQq1 1 0.784314 rgBT /Ovrlock 10 T	1.6	5
6	A Combination of Structural, Genetic, Phenotypic and Enzymatic Analyses Reveals the Importance of a Predicted Fucosyltransferase to Protein O-Glycosylation in the Bacteroidetes. <i>Biomolecules</i> , 2021, 11, 1795.	1.8	5
7	Assaying <i>Paenibacillus alvei</i> CsaB-Catalysed Ketalpyruvyltransfer to Saccharides by Measurement of Phosphate Release. <i>Biomolecules</i> , 2021, 11, 1732.	1.8	2
8	Synthesis of <i>C</i> -glycosyl phosphonate derivatives of 4-amino-4-deoxy- β -D-arabinose. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 9-14.	1.3	3
9	Stereoelectronic Effects Impact Glycan Recognition. <i>Journal of the American Chemical Society</i> , 2020, 142, 2386-2395.	6.6	39
10	Are there specific antibodies against Neu5Gc epitopes in the blood of healthy individuals?. <i>Glycobiology</i> , 2020, 30, 395-406.	1.3	9
11	Molecular Conformations of Di-, Tri-, and Tetra- β -Linked Sialic Acid from NMR Spectroscopy and MD Simulations. <i>International Journal of Molecular Sciences</i> , 2020, 21, 30.	1.8	12
12	The N-glycans of <i>Chlorella sorokiniana</i> and a related strain contain arabinose but have strikingly different structures. <i>Glycobiology</i> , 2020, 30, 663-676.	1.3	19
13	Zwitterionic Phosphodiester-Substituted Neoglycoconjugates as Ligands for Antibodies and Acute Phase Proteins. <i>ACS Chemical Biology</i> , 2020, 15, 369-377.	1.6	6
14	Synthetic Phosphodiester-Linked 4-Amino-4-deoxy- β -D-Arabinose Derivatives Demonstrate that ArnT is an Inverting Aminoarabinosyl Transferase. <i>ChemBioChem</i> , 2019, 20, 2936-2948.	1.3	5
15	ADP heptose, a novel pathogen-associated molecular pattern identified in <i>Helicobacter pylori</i> . <i>FASEB Journal</i> , 2019, 33, 9087-9099.	0.2	110
16	Synthesis of an Undecasaccharide Featuring an Oligomannosidic Heptasaccharide and a Bacterial Kdo-lipid A Backbone for Eliciting Neutralizing Antibodies to Mammalian Oligomannose on the HIV-1 Envelope Spike. <i>Journal of the American Chemical Society</i> , 2019, 141, 7946-7954.	6.6	19
17	Subtle Changes in the Combining Site of the Chlamydiaceae-Specific mAb S25-23 Increase the Antibody-Carbohydrate Binding Affinity by an Order of Magnitude. <i>Biochemistry</i> , 2019, 58, 714-726.	1.2	2
18	Comparative Antigenicity of Thiourea and Adipic Amide Linked Neoglycoconjugates Containing Modified Oligomannose Epitopes for the Carbohydrate-Specific anti-HIV Antibody 2G12. <i>Bioconjugate Chemistry</i> , 2019, 30, 70-82.	1.8	15

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19	Lipoteichoic acid mediates binding of a Lactobacillus S-layer protein. <i>Glycobiology</i> , 2018, 28, 148-158.	1.3	16
20	Functional Characterization of Enzymatic Steps Involved in Pyruvylation of Bacterial Secondary Cell Wall Polymer Fragments. <i>Frontiers in Microbiology</i> , 2018, 9, 1356.	1.5	16
21	Structural basis of cell wall anchoring by SLH domains in <i>Paenibacillus alvei</i> . <i>Nature Communications</i> , 2018, 9, 3120.	5.8	27
22	2,4,6,2,4-Dianhydride of 3-keto-glucoside, a precursor to chromophores of aged, yellow cellulose, and its weak interactions. <i>Cellulose</i> , 2017, 24, 1227-1234.	2.4	10
23	Chemical synthesis of the innate immune modulator " bacterial d - glycerol - d - mannoheptose-1,7-bisphosphate (HBP). <i>Tetrahedron Letters</i> , 2017, 58, 2826-2829.	0.7	15
24	Stereoselective Synthesis of α - and β -Ara4N Glycosyl H-Phosphonates and a Neoglycoconjugate Comprising Glycosyl Phosphodiester Linked β -Ara4N. <i>Organic Letters</i> , 2017, 19, 78-81.	2.4	5
25	Synthesis of 3-O- and 4-O-(2-aminoethylphosphono) derivatives of methyl α -glycerol-d-mannoheptopyranoside. <i>Monatshefte für Chemie</i> , 2017, 148, 111-119.	0.9	3
26	Synthesis of a Pentasaccharide Fragment Related to the Inner Core Region of Rhizobial and Agrobacterial Lipopolysaccharides. <i>Journal of Organic Chemistry</i> , 2017, 82, 12346-12358.	1.7	18
27	ALPK1- and TIFA-Dependent Innate Immune Response Triggered by the <i>Helicobacter pylori</i> Type IV Secretion System. <i>Cell Reports</i> , 2017, 20, 2384-2395.	2.9	139
28	2,4,5-Trihydroxy-3-methylacetophenone: A Cellulosic Chromophore as a Case Study of Aromaticity. <i>ACS Omega</i> , 2017, 2, 7929-7935.	1.6	0
29	Bacterially derived synthetic mimetics of mammalian oligomannose prime antibody responses that neutralize HIV infectivity. <i>Nature Communications</i> , 2017, 8, 1601.	5.8	33
30	Synthesis of 1,5-Anhydro-d-glycero-d-gluco-heptitol Derivatives as Potential Inhibitors of Bacterial Heptose Biosynthetic Pathways. <i>Synthesis</i> , 2017, 49, 5320-5334.	1.2	2
31	Genome Analysis and Characterisation of the Exopolysaccharide Produced by <i>Bifidobacterium longum</i> subsp. <i>longum</i> 35624. <i>PLoS ONE</i> , 2016, 11, e0162983.	1.1	76
32	Evaluation of a dimethylated glycan as a potential antigenic target for the serodiagnosis of human toxocarasis. <i>Parasite Immunology</i> , 2016, 38, 236-243.	0.7	8
33	Synthesis of 5-O-oligoglucosyl extended α -(2 \rightarrow 4)-Kdo disaccharides corresponding to inner core fragments of Moraxellaceae lipopolysaccharides. <i>Carbohydrate Research</i> , 2016, 422, 5-12.	1.1	13
34	Progress in Kdo-glycoside chemistry. <i>Tetrahedron Letters</i> , 2016, 57, 2133-2142.	0.7	31
35	Hypermethylation of anthranilic acid-labeled sugars confers the selectivity required for liquid chromatography-mass spectrometry. <i>Analytical Biochemistry</i> , 2016, 514, 24-31.	1.1	12
36	Reaction of Oxidized Polysialic Acid and a Diaminoxy Linker: Characterization and Process Optimization Using Nuclear Magnetic Resonance Spectroscopy. <i>Bioconjugate Chemistry</i> , 2016, 27, 2071-2080.	1.8	5

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37	Commercial cellulases from <i>Trichoderma longibrachiatum</i> enable a large-scale production of chito-oligosaccharides. <i>Pure and Applied Chemistry</i> , 2016, 88, 865-872.	0.9	5
38	Development of a multifunctional aminoxy-based fluorescent linker for glycan immobilization and analysis. <i>Glycobiology</i> , 2016, 26, 1297-1307.	1.3	12
39	Cellobiohydrolases Produce Different Oligosaccharides from Chitosan. <i>Biomacromolecules</i> , 2016, 17, 2284-2292.	2.6	21
40	Transferase Activity of Lactobacillal and Bifidobacterial β -Galactosidases with Various Sugars as Galactosyl Acceptors. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 2604-2611.	2.4	7
41	Scope and Limitations of 3-Iodo-Kdo Fluoride-Based Glycosylation Chemistry using <i>N</i> -Acetyl Glucosamine Acceptors. <i>ChemistryOpen</i> , 2015, 4, 722-728.	0.9	11
42	Unraveling the <i>B. pseudomallei</i> Heptokinase WcbL: From Structure to Drug Discovery. <i>Chemistry and Biology</i> , 2015, 22, 1622-1632.	6.2	7
43	Chemical Synthesis of <i>Burkholderia</i> Lipid...A Modified with Glycosyl Phosphodiester-Linked 4-Amino-4-deoxy- β -L-rabinose and Its Immunomodulatory Potential. <i>Chemistry - A European Journal</i> , 2015, 21, 4102-4114.		18
44	Theoretical study on the effects of a 4,6-O-diacetal protecting group on the stability of ion pairs from d-mannopyranosyl and d-glucopyranosyl triflates. <i>Carbohydrate Research</i> , 2015, 411, 64-69.	1.1	23
45	UDP-sulfoquinovose formation by <i>Sulfolobus acidocaldarius</i> . <i>Extremophiles</i> , 2015, 19, 451-467.	0.9	10
46	Comparison testing of methods for gel permeation chromatography of cellulose: coming closer to a standard protocol. <i>Cellulose</i> , 2015, 22, 1591-1613.	2.4	112
47	Anti-endotoxic activity and structural basis for human MD-2-TLR4 antagonism of tetraacylated lipid A mimetics based on β -GlcN(1 \rightarrow 1) β -GlcN scaffold. <i>Innate Immunity</i> , 2015, 21, 490-503.	1.1	15
48	Structural Basis for Antibody Recognition of Lipid A. <i>Journal of Biological Chemistry</i> , 2015, 290, 19629-19640.	1.6	11
49	First and Stereoselective Synthesis of an β -(2 \rightarrow 5)-Linked Disaccharide of 3-Deoxy-d-manno-oct-2-ulosonic Acid (Kdo). <i>Organic Letters</i> , 2015, 17, 110-113.	2.4	29
50	Synthesis of Chlamydia Lipopolysaccharide Haptens through the use of β -Specific 3-Iodo-Kdo Fluoride Glycosyl Donors. <i>Chemistry - A European Journal</i> , 2015, 21, 305-313.	1.7	31
51	Contact ion pairs and solvent-separated ion pairs from d-mannopyranosyl and d-glucopyranosyl triflates. <i>Carbohydrate Research</i> , 2015, 401, 127-131.	1.1	35
52	A novel method to analyze the degree of acetylation in biopolymers. <i>Journal of Chromatography A</i> , 2014, 1372, 212-220.	1.8	9
53	Synthesis of β -d-glucosyl substituted methyl glycosides of 3-deoxy- β -d-manno- and d-glycero- β -d-talo-oct-2-ulosonic acid (Kdo/Ko) corresponding to inner core fragments of <i>Acinetobacter</i> lipopolysaccharide. <i>Carbohydrate Research</i> , 2014, 391, 66-81.	1.1	11
54	The effect of 1-ethyl-3-methylimidazolium acetate on the enzymatic degradation of cellulose. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 99, 121-129.	1.8	30

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55	Convergent Synthesis of 4-O-Phosphorylated-d-glycero-d-manno-Heptosyl Lipopolysaccharide Core Oligosaccharides Based on Regioselective Cleavage of a 6,7-O-Tetraisopropylidisiloxane-1,3-diyl Protecting Group. <i>Journal of Organic Chemistry</i> , 2014, 79, 582-598.	1.7	16
56	Development of α -GlcN(1 \rightarrow 1) α -Man-Based Lipid A Mimetics as a Novel Class of Potent Toll-like Receptor 4 Agonists. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 8056-8071.	2.9	25
57	Synthesis of Zwitterionic 1,1 \rightarrow -Glycosylphosphodiester: A Partial Structure of Galactosamine-Modified Francisella Lipid A. <i>Organic Letters</i> , 2014, 16, 3772-3775.	2.4	9
58	Theoretical Foundation for the Presence of Oxacarbenium Ions in Chemical Glycoside Synthesis. <i>Journal of Organic Chemistry</i> , 2014, 79, 7889-7894.	1.7	60
59	Complete Structural Elucidation of an Oxidized Polysialic Acid Drug Intermediate by Nuclear Magnetic Resonance Spectroscopy. <i>Bioconjugate Chemistry</i> , 2014, 25, 665-676.	1.8	8
60	Groove-type Recognition of Chlamydiae-specific Lipopolysaccharide Antigen by a Family of Antibodies Possessing an Unusual Variable Heavy Chain N-Linked Glycan. <i>Journal of Biological Chemistry</i> , 2014, 289, 16644-16661.	1.6	15
61	Two β -Galactosidases from the Human Isolate <i>Bifidobacterium breve</i> DSM 20213: Molecular Cloning and Expression, Biochemical Characterization and Synthesis of Galacto-Oligosaccharides. <i>PLoS ONE</i> , 2014, 9, e104056.	1.1	28
62	Isolation and structural characterization of a (Kdo-isosteric) d-glycero- β -d-talo-oct-2-ulopyranosidonic acid (Ko) interlinking lipid A and core oligosaccharide in the lipopolysaccharide of <i>Acinetobacter calcoaceticus</i> NCTC 10305. <i>Carbohydrate Research</i> , 2013, 378, 63-70.	1.1	10
63	Bacterial cell-envelope glycoconjugates. <i>Advances in Carbohydrate Chemistry and Biochemistry</i> , 2013, 69, 209-272.	0.4	41
64	Conformationally Constrained Lipid A Mimetics for Exploration of Structural Basis of TLR4/MD-2 Activation by Lipopolysaccharide. <i>ACS Chemical Biology</i> , 2013, 8, 2423-2432.	1.6	45
65	Structural \rightarrow Functional Studies of <i>Burkholderia cenocepacia</i> β -D-Glycero- β -manno-heptose 7-Phosphate Kinase (HldA) and Characterization of Inhibitors with Antibiotic Adjuvant and Antivirulence Properties. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 1405-1417.	2.9	14
66	Exploring the cross-reactivity of S25-2: complex with a 5,6-dehydro-Kdo disaccharide. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 2-5.	0.7	7
67	Biomimetic Synthesis and Analytics of the Human aryl Hydrocarbon Receptor Agonist 1-(furan-2-yl)-2-(1H-indol-3-yl)ethanone, and its 1-(thiophen-2-yl) and 1-(pyrrol-2-yl) Analogues. <i>Current Organic Chemistry</i> , 2013, 17, 2349-2358.	0.9	1
68	4-((Z)-5-[(Z)-3-Ethoxy-4-hydroxybenzylidene]-3-methyl-4-oxo-1,3-thiazolidin-2-ylidene)amino)benzoic acid dimethylformamide monosolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o3417-o3418.	0.2	1
69	Antibody WN1 222-5 mimics Toll-like receptor 4 binding in the recognition of LPS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 20877-20882.	3.3	34
70	The Sedoheptulose Kinase CARKL Directs Macrophage Polarization through Control of Glucose Metabolism. <i>Cell Metabolism</i> , 2012, 15, 813-826.	7.2	493
71	Synthesis and antiviral activities of spacer-linked 1-thiogluconide analogues of glycyrrhizin. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 705-711.	1.3	22
72	<i>Burkholderia cenocepacia</i> lectin A binding to heptoses from the bacterial lipopolysaccharide. <i>Glycobiology</i> , 2012, 22, 1387-1398.	1.3	31

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73	Synthesis of Neoglycoconjugates Containing 4- <i>Amino-4-deoxy-L-arabinose</i> Epitopes Corresponding to the Inner Core of <i>Burkholderia</i> and <i>Proteus</i> Lipopolysaccharides. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 119-131.	1.2	20
74	A Common NH53K Mutation in the Combining Site of Antibodies Raised against Chlamydial LPS Glycoconjugates Significantly Increases Avidity. <i>Biochemistry</i> , 2011, 50, 3357-3368.	1.2	25
75	Synthesis of new glycyrrhetic acid derived ring A azepanone, 29-urea and 29-hydroxamic acid derivatives as selective 11 β -hydroxysteroid dehydrogenase 2 inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 1866-1880.	1.4	23
76	Crystal and molecular structure of methyl 1-glycero- β -D-manno-heptopyranoside, and synthesis of 1 \rightarrow 7 linked 1-glycero-D-manno-heptobiose and its methyl β -glycoside. <i>Carbohydrate Research</i> , 2011, 346, 1739-1746.	1.1	11
77	Indolyfuran, a potent aryl hydrocarbon receptor agonist from sauerkraut, interacts with the oestrogen pathway. <i>Food Chemistry</i> , 2011, 127, 1764-1772.	4.2	4
78	Synthesis of lipid A and inner-core lipopolysaccharide (LPS) ligands containing 4-amino-4-deoxy-L-arabinose units. <i>Pure and Applied Chemistry</i> , 2011, 84, 11-21.	0.9	7
79	Brightness reversion of eucalyptus kraft pulp: Effect of carbonyl groups generated by hypochlorous acid oxidation. <i>Holzforschung</i> , 2011, 65, .	0.9	11
80	<i>Burkholderia cenocepacia</i> BC2L-C Is a Super Lectin with Dual Specificity and Proinflammatory Activity. <i>PLoS Pathogens</i> , 2011, 7, e1002238.	2.1	61
81	Structural insights into parallel strategies for germline antibody recognition of lipopolysaccharide from <i>Chlamydia</i> . <i>Glycobiology</i> , 2011, 21, 1049-1059.	1.3	20
82	Foreword. <i>Carbohydrate Research</i> , 2010, 345, 1251.	1.1	0
83	Monoclonal antibody S60-4-14 reveals diagnostic potential in the identification of <i>Pseudomonas aeruginosa</i> in lung tissues of cystic fibrosis patients. <i>European Journal of Cell Biology</i> , 2010, 89, 25-33.	1.6	7
84	Synthesis and crystal structures of ring A modified glycyrrhetic acid derivatives derived from 2,3-oxirane and 2,3-thiirane intermediates. <i>Tetrahedron</i> , 2010, 66, 4390-4402.	1.0	15
85	Synthesis of glycyrrhetic acid derivatives for the treatment of metabolic diseases. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 433-454.	1.4	58
86	Synthesis of novel 3-amino and 29-hydroxamic acid derivatives of glycyrrhetic acid as selective 11 β -hydroxysteroid dehydrogenase 2 inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 7522-7541.	1.4	16
87	Synthesis of a neoglycoconjugate containing a <i>Chlamydomonas reinhardtii</i> -specific branched Kdo trisaccharide epitope. <i>Carbohydrate Research</i> , 2010, 345, 704-708.	1.1	15
88	Chemical synthesis of the core oligosaccharide of bacterial lipopolysaccharide. , 2010, , 429-454.		1
89	Analysis of cross-reactive and specific anti-carbohydrate antibodies against lipopolysaccharide from <i>Chlamydomonas reinhardtii</i> . <i>Glycobiology</i> , 2010, 20, 461-472.	1.3	28
90	The role of CDR H3 in antibody recognition of a synthetic analog of a lipopolysaccharide antigen. <i>Glycobiology</i> , 2010, 20, 138-147.	1.3	16

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91	Efficient Synthesis of 4-Amino-4-deoxy-L-arabinose and Spacer-Equipped 4-Amino-4-deoxy-L-arabinopyranosides by Transglycosylation Reactions. <i>Synthesis</i> , 2010, 2010, 3143-3151.	1.2	10
92	Antibodies Raised Against Chlamydial Lipopolysaccharide Antigens Reveal Convergence in Germline Gene Usage and Differential Epitope Recognition. <i>Biochemistry</i> , 2010, 49, 570-581.	1.2	23
93	Synthesis of regioselectively sulfated xylooligosaccharides and crystal structure of sodium methyl β -D-xylopyranoside 4-O-sulfate hemihydrate. <i>Carbohydrate Research</i> , 2009, 344, 21-28.	1.1	14
94	Efficient synthesis of glycyrrhetic acid glycoside/glucuronide derivatives using silver zeolite as promoter. <i>Carbohydrate Research</i> , 2009, 344, 1063-1071.	1.1	9
95	Synthesis and antigenic properties of C-7-modified Kdo mono- and disaccharide ligands and Kdo disaccharide interresidue lactones. <i>Carbohydrate Research</i> , 2009, 344, 1660-1669.	1.1	7
96	Pseudo-symmetry and twinning in crystals of homologous antibody Fv fragments. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2008, 64, 1250-1258.	2.5	13
97	Structural characterization of the acid-degraded secondary cell wall polymer of <i>Geobacillus stearothermophilus</i> PV72/p2. <i>Carbohydrate Research</i> , 2008, 343, 1346-1358.	1.1	19
98	Exploration of Specificity in Germline Monoclonal Antibody Recognition of a Range of Natural and Synthetic Epitopes. <i>Journal of Molecular Biology</i> , 2008, 377, 450-468.	2.0	32
99	van der Waals versus Hydrogen-Bonding Forces in a Crystalline Analog of Cellotetraose: Cyclohexyl β -D-Cyclohexyl β -D-Cellobioside Cyclohexane Solvate. <i>Journal of the American Chemical Society</i> , 2008, 130, 16678-16690.	6.6	53
100	Recognition of Heptoses and the Inner Core of Bacterial Lipopolysaccharides by Surfactant Protein D. <i>Biochemistry</i> , 2008, 47, 710-720.	1.2	53
101	Molecular Basis of S-layer Glycoprotein Glycan Biosynthesis in <i>Geobacillus stearothermophilus</i> . <i>Journal of Biological Chemistry</i> , 2008, 283, 21120-21133.	1.6	42
102	Biosynthesis of dTDP-3-acetamido-3,6-dideoxy- β -D-glucose. <i>Biochemical Journal</i> , 2008, 410, 187-194.	1.7	38
103	Hemoglobin Enhances the Biological Activity of Synthetic and Natural Bacterial (Endotoxic) Virulence Factors: A General Principle. <i>Medicinal Chemistry</i> , 2008, 4, 520-525.	0.7	22
104	Occurrence, Synthesis and Biosynthesis of Bacterial Heptoses. <i>Current Organic Chemistry</i> , 2008, 12, 1021-1039.	0.9	57
105	The dTDP-4-dehydro-6-deoxyglucose reductase encoding <i>fed</i> gene is part of the surface layer glycoprotein glycosylation gene cluster of <i>Geobacillus tepidamans</i> GS5-97T. <i>Glycobiology</i> , 2007, 17, 433-443.	1.3	21
106	Investigation on the agonistic and antagonistic biological activities of synthetic Chlamydia lipid A and its use in in vitro enzymatic assays. <i>Journal of Endotoxin Research</i> , 2007, 13, 126-132.	2.5	17
107	Isolation and identification of residual chromophores from aged bleached pulp samples. <i>Holzforschung</i> , 2007, 61, 656-661.	0.9	48
108	Studies on oxidative modifications of cellulose in the periodate system: Molecular weight distribution and carbonyl group profiles. <i>Holzforschung</i> , 2007, 61, 662-667.	0.9	93

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109	Synthesis of C-glycosidically linked ADP glycerol- β -D-manno-heptose analogues. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 115-122.	1.8	11
110	Synthesis of methyl 4-O-methyl- β -D-cellobioside-13C12 from D-glucose-13C6. Part 2: Solid-state NMR studies. <i>Carbohydrate Research</i> , 2007, 342, 65-70.	1.1	12
111	Synthesis of a deoxy analogue of ADP l-glycero-D-manno-heptose. <i>Carbohydrate Research</i> , 2007, 342, 2537-2545.	1.1	11
112	O-Methylated glycans from <i>Toxocara</i> are specific targets for antibody binding in human and animal infections. <i>International Journal for Parasitology</i> , 2007, 37, 97-109.	1.3	59
113	Studies on DMSO-containing carbanilation mixtures: chemistry, oxidations and cellulose integrity. <i>Cellulose</i> , 2007, 14, 497-511.	2.4	21
114	Synthesis of spacer-containing chlamydial disaccharides as analogues of the β -Kdop-(2 α '8)- β -Kdop-(2 α '4)- β -Kdop trisaccharide epitope. <i>Carbohydrate Research</i> , 2007, 342, 576-585.	1.1	4
115	Confirmation of the Presence of Hydroxyl Radicals During Pre-ripening of Alkali Cellulose. <i>Journal of Wood Chemistry and Technology</i> , 2006, 26, 53-63.	0.9	4
116	Reconstitution in vitro of the GDP-fucose biosynthetic pathways of <i>Caenorhabditis elegans</i> and <i>Drosophila melanogaster</i> . <i>FEBS Journal</i> , 2006, 273, 2244-2256.	2.2	22
117	The FDAM Method: Determination of Carboxyl Profiles in Cellulosic Materials by Combining Group-Selective Fluorescence Labeling with GPC. <i>Biomacromolecules</i> , 2006, 7, 1743-1750.	2.6	94
118	A novel approach to determination of carbonyl groups in DMAc/LiCl-insoluble pulps by fluorescence labeling. <i>Cellulose</i> , 2006, 13, 429-435.	2.4	8
119	A monoclonal antibody against a carbohydrate epitope in lipopolysaccharide differentiates <i>Chlamydomonas psittaci</i> from <i>Chlamydomonas pecorum</i> , <i>Chlamydomonas pneumoniae</i> , and <i>Chlamydia trachomatis</i> . <i>Glycobiology</i> , 2006, 16, 184-196.	1.3	35
120	Isolation, Synthesis and Derivatization of Xylodextrins. <i>Macromolecular Symposia</i> , 2005, 232, 93-97.	0.4	5
121	A Novel Method for Analysis of Xanthate Group Distribution in Viscosities. <i>Macromolecular Symposia</i> , 2005, 223, 189-200.	0.4	6
122	Isolation and Identification of Residual Chromophores in Cellulosic Materials. <i>Macromolecular Symposia</i> , 2005, 223, 239-252.	0.4	18
123	Cellulosics modified with slow-release reagents. Part I. Synthesis of triazine-anchored reagents for slow release of active substances from cellulosic materials. <i>Polymer</i> , 2005, 46, 1453-1458.	1.8	7
124	On the non-classical course of Polonowski reactions of N-benzylmorpholine-N-oxide (NBnMO). <i>Tetrahedron</i> , 2005, 61, 3483-3487.	1.0	14
125	Synthesis of methyl 4-O-methyl-13C12- β -D-cellobioside from 13C6-D-glucose. Part 1: Reaction optimization and synthesis. <i>Carbohydrate Research</i> , 2005, 340, 2428-2435.	1.1	21
126	On the Nature of Carbonyl Groups in Cellulosic Pulps. <i>Cellulose</i> , 2005, 12, 43-50.	2.4	66

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