Edwin A Yates

List of Publications by Year
in descending order

141 papers	5,503 citations	94381 37 h-index	106281 65 g-index
160 all docs	160 docs citations	160 times ranked	6424 citing authors

#	Article	IF	Citations
1	Anion binding to a cationic europium(<scp>iii</scp>) probe enables the first real-time assay of heparan sulfotransferase activity. Organic and Biomolecular Chemistry, 2022, 20, 596-605.	1.5	5
2	Exploration of expanded carbohydrate chemical space to access biological activity using microwave-induced acid condensation of simple sugars. RSC Advances, 2022, 12, 11075-11083.	1.7	1
3	Synthetic Heparan Sulfate Mimetic Pixatimod (PG545) Potently Inhibits SARS-CoV-2 by Disrupting the Spikeâ€"ACE2 Interaction. ACS Central Science, 2022, 8, 527-545.	5.3	62
4	Structural variation in the linkage region of pharmaceutical heparin arising from oxidative treatments during manufacture. Carbohydrate Research, 2022, 514, 108540.	1.1	0
5	NMR spectroscopy and chemometric models to detect a specific non-porcine ruminant contaminant in pharmaceutical heparin. Journal of Pharmaceutical and Biomedical Analysis, 2022, 214, 114724.	1.4	9
6	Pentosan Polysulfate Inhibits Attachment and Infection by SARS-CoV-2 In Vitro: Insights into Structural Requirements for Binding. Thrombosis and Haemostasis, 2022, 122, 984-997.	1.8	12
7	Sulfated glycan recognition by carbohydrate sulfatases of the human gut microbiota. Nature Chemical Biology, 2022, 18, 841-849.	3.9	16
8	Using NMR to Dissect the Chemical Space and <i>O</i>-Sulfation Effects within the <i>O</i>- and <i>S</i>-Glycoside Analogues of Heparan Sulfate. ACS Omega, 2022, 7, 24461-24467.	1.6	6
9	New tools for carbohydrate sulfation analysis: heparan sulfate 2-<i>O</i>-sulfotransferase (HS2ST) is a target for small-molecule protein kinase inhibitors. Biochemical Journal, 2021, 475, 2417-2433.	1.7	17
10	ER-Golgi dynamics of HS-modifying enzymes via vesicular trafficking is a critical prerequisite for the delineation of HS biosynthesis. Carbohydrate Polymers, 2021, 255, 117477.	5.1	5
11	Unfractionated heparin inhibits live wild type SARSâ€CoVâ€2 cell infectivity at therapeutically relevant concentrations. British Journal of Pharmacology, 2021, 178, 626-635.	2.7	73
12	Hydrolytic Degradation of Heparin in Acidic Environments: Nuclear Magnetic Resonance Reveals Details of Selective Desulfation. ACS Applied Materials & Interfaces, 2021, 13, 5551-5563.	4.0	6
13	Synthesis and toxicity profile in 293 human embryonic kidney cells of the Î² D-glucuronide derivatives of ortho-, meta- and para-cresol. Carbohydrate Research, 2021, 499, 108225.	1.1	7
14	Mobility shift-based electrophoresis coupled with fluorescent detection enables real-time enzyme analysis of carbohydrate sulfatase activity. Biochemical Journal, 2021, 478, 735-748.	1.7	6
15	Glycosaminoglycans from Litopenaeus vannamei Inhibit the Alzheimerâ€™s Disease Î² Secretase, BACE1. Marine Drugs, 2021, 19, 203.	2.2	8
16	Chemical Modification of Glycosaminoglycan Polysaccharides. Molecules, 2021, 26, 5211.	1.7	16
17	A single sulfatase is required to access colonic mucin by a gut bacterium. Nature, 2021, 598, 332-337.	13.7	87
18	Glycation of Host Proteins Increases Pathogenic Potential of Porphyromonas gingivalis. International Journal of Molecular Sciences, 2021, 22, 12084.	1.8	14

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19	Correction: Mobility shift-based electrophoresis coupled with fluorescent detection enables real-time enzyme analysis of carbohydrate sulfatase activity. Biochemical Journal, 2021, 478, 2537-2538.	1.7	0
20	SimpleDSFviewer: A tool to analyze and view differential scanning fluorimetry data for characterizing protein thermal stability and interactions. Protein Science, 2020, 29, 19-27.	3.1	23
21	Interaction with the heparin-derived binding inhibitors destabilizes galectin-3 protein structure. Biochemical and Biophysical Research Communications, 2020, 523, 336-341.	1.0	12
22	Aggregation Kinetics and Filament Structure of a Tau Fragment Are Influenced by the Sulfation Pattern of the Cofactor Heparin. Biochemistry, 2020, 59, 4003-4014.	1.2	16
23	Should We Be Worried About Clostridioides difficile During the SARS-CoV2 Pandemic?. Frontiers in Microbiology, 2020, 11, 581343.	1.5	11
24	Editorial: Heparan Sulfate Proteoglycans and Their Endogenous Modifying Enzymes: Cancer Players, Biomarkers and Therapeutic Targets. Frontiers in Oncology, 2020, 10, 195.	1.3	6
25	Metabolism of multiple glycosaminoglycans by Bacteroides thetaiotaomicron is orchestrated by a versatile core genetic locus. Nature Communications, 2020, 11, 646.	5.8	58
26	Heparin Inhibits Cellular Invasion by SARS-CoV-2: Structural Dependence of the Interaction of the Spike S1 Receptor-Binding Domain with Heparin. Thrombosis and Haemostasis, 2020, 120, 1700-1715.	1.8	228
27	Inhibition of BACE1, the Î²-secretase implicated in Alzheimerâ€™s disease, by a chondroitin sulfate extract from Sardina pilchardus. Neural Regeneration Research, 2020, 15, 1546.	1.6	16
28	Intrinsic tryptophan fluorescence spectroscopy reliably determines galectin-ligand interactions. Scientific Reports, 2019, 9, 11851.	1.6	52
29	A further unique chondroitin sulfate from the shrimp Litopenaeus vannamei with antithrombin activity that modulates acute inflammation. Carbohydrate Polymers, 2019, 222, 115031.	5.1	21
30	Sulfated polysaccharides interact with fibroblast growth factors and protect from denaturation. FEBS Open Bio, 2019, 9, 1477-1487.	1.0	25
31	Tools for the Quality Control of Pharmaceutical Heparin. Medicina (Lithuania), 2019, 55, 636.	0.8	5
32	A Glycosaminoglycan Extract from Portunus pelagicus Inhibits BACE1, the Î² Secretase Implicated in Alzheimerâ€™s Disease. Marine Drugs, 2019, 17, 293.	2.2	6
33	NMR in the Characterization of Complex Mixture Drugs. AAPS Advances in the Pharmaceutical Sciences Series, 2019, , 115-137.	0.2	0
34	Multivariate analysis applied to complex biological medicines. Faraday Discussions, 2019, 218, 303-316.	1.6	9
35	Introduction to the Molecules Special Edition Entitled â€˜Heparan Sulfate and Heparin: Challenges and Controversiesâ€™: Some Outstanding Questions in Heparan Sulfate and Heparin Research. Molecules, 2019, 24, 1399.	1.7	10
36	Low sulfated heparins target multiple proteins for central nervous system repair. Glia, 2019, 67, 668-687.	2.5	18

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37	By-Products of Heparin Production Provide a Diverse Source of Heparin-like and Heparan Sulfate Glycosaminoglycans. Scientific Reports, 2019, 9, 2679.	1.6	18
38	Subverting the mechanisms of cell death: flavivirus manipulation of host cell responses to infection. Biochemical Society Transactions, 2018, 46, 609-617.	1.6	26
39	Variations in the Peritrophic Matrix Composition of Heparan Sulphate from the Tsetse Fly, Glossina morsitans morsitans. Pathogens, 2018, 7, 32.	1.2	6
40	An Inexpensive, Pulsed, and Multiple Wavelength Bench-Top Light Source for Biological Spectroscopy. Plasma, 2018, 1, 78-89.	0.7	0
41	Marine glycosaminoglycan-like carbohydrates as potential drug candidates for infectious disease. Biochemical Society Transactions, 2018, 46, 919-929.	1.6	15
42	Potential role for <i>Streptococcus gordonii</i>â€derived hydrogen peroxide in heme acquisition by <i>Porphyromonas gingivalis</i>. Molecular Oral Microbiology, 2018, 33, 322-335.	1.3	19
43	The nature of the conserved basic amino acid sequences found among 437 heparin binding proteins determined by network analysis. Molecular BioSystems, 2017, 13, 852-865.	2.9	36
44	Investigating the relationship between temperature, conformation and calcium binding in heparin model oligosaccharides. Carbohydrate Research, 2017, 438, 58-64.	1.1	7
45	Heparin prevents Zika virus induced-cytopathic effects in human neural progenitor cells. Antiviral Research, 2017, 140, 13-17.	1.9	88
46	Identification of Heparin Modifications and Polysaccharide Inhibitors of Plasmodium falciparum Merozoite Invasion That Have Potential for Novel Drug Development. Antimicrobial Agents and Chemotherapy, 2017, 61, .	1.4	25
47	Insights into the role of 3-O-sulfotransferase in heparan sulfate biosynthesis. Organic and Biomolecular Chemistry, 2017, 15, 6792-6799.	1.5	14
48	Terahertz: dictating the frequency of life. Do macromolecular vibrational modes impose thermal limitations on terrestrial life?. Journal of the Royal Society Interface, 2017, 14, 20170673.	1.5	8
49	Molecular Origins of the Compatibility between Glycosaminoglycans and AÎ²40 Amyloid Fibrils. Journal of Molecular Biology, 2017, 429, 2449-2462.	2.0	23
50	19F labelled glycosaminoglycan probes for solution NMR and non-linear (CARS) microscopy. Glycoconjugate Journal, 2017, 34, 405-410.	1.4	5
51	A semi-synthetic glycosaminoglycan analogue inhibits and reverses Plasmodium falciparum cytoadherence. PLoS ONE, 2017, 12, e0186276.	1.1	11
52	New Applications of Heparin and Other Glycosaminoglycans. Molecules, 2017, 22, 749.	1.7	60
53	Panels of chemically-modified heparin polysaccharides and natural heparan sulfate saccharides both exhibit differences in binding to Slit and Robo, as well as variation between protein binding and cellular activity. Molecular BioSystems, 2016, 12, 3166-3175.	2.9	7
54	Heparin binding preference and structures in the fibroblast growth factor family parallel their evolutionary diversification. Open Biology, 2016, 6, 150275.	1.5	50

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55	Nuclear Magnetic Resonance and Molecular Dynamics Simulation of the Interaction between Recognition Protein H7 of the Novel Influenza Virus H7N9 and Glycan Cell Surface Receptors. Biochemistry, 2016, 55, 6605-6616.	1.2	12
56	Johann Peter Griess FRS (1829â€“88): Victorian brewer and synthetic dye chemist. Notes and Records of the Royal Society, 2016, 70, 65-81.	0.1	8
57	Atomic Details of the Interactions of Glycosaminoglycans with Amyloid-Î² Fibrils. Journal of the American Chemical Society, 2016, 138, 8328-8331.	6.6	48
58	Recent innovations in the structural analysis of heparin. International Journal of Cardiology, 2016, 212, S5-S9.	0.8	14
59	Heparan sulfate and heparin interactions with proteins. Journal of the Royal Society Interface, 2015, 12, 20150589.	1.5	229
60	Heparan sulfate phage display antibodies recognise epitopes defined by a combination of sugar sequence and cation binding. Organic and Biomolecular Chemistry, 2015, 13, 6066-6072.	1.5	5
61	Detection of interaction between protein trytophan residues and small or macromolecular ligands by synchrotron radiation magnetic circular dichroism. Analytical Methods, 2015, 7, 1667-1671.	1.3	1
62	Differentiation of Generic Enoxaparins Marketed in the United States by Employing NMR and Multivariate Analysis. Analytical Chemistry, 2015, 87, 8275-8283.	3.2	42
63	Inhibition of influenza H5N1 invasion by modified heparin derivatives. MedChemComm, 2015, 6, 640-646.	3.5	40
64	Enhanced Tumorigenic Potential of Colorectal Cancer Cells by Extracellular Sulfatases. Molecular Cancer Research, 2015, 13, 510-523.	1.5	22
65	Heparin derivatives for the targeting of multiple activities in the inflammatory response. Carbohydrate Polymers, 2015, 117, 400-407.	5.1	22
66	Chemically modified, non-anticoagulant heparin derivatives are potent galectin-3 binding inhibitors and inhibit circulating galectin-3-promoted metastasis. Oncotarget, 2015, 6, 23671-23687.	0.8	43
67	MYCN-Dependent Expression of Sulfatase-2 Regulates Neuroblastoma Cell Survival. Cancer Research, 2014, 74, 5999-6009.	0.4	9
68	A heparin-like glycosaminoglycan from shrimp containing high levels of 3-O-sulfated d-glucosamine groups in an unusual trisaccharide sequence. Carbohydrate Research, 2014, 390, 59-66.	1.1	30
69	On the catalytic mechanism of polysaccharide lyases: evidence of His and Tyr involvement in heparin lysis by heparinase I and the role of Ca²⁺. Molecular BioSystems, 2014, 10, 54-64.	2.9	9
70	A non-hemorrhagic hybrid heparin/heparan sulfate with anticoagulant potential. Carbohydrate Polymers, 2014, 99, 372-378.	5.1	33
71	Insights into the Human Glycan Receptor Conformation of 1918 Pandemic Hemagglutininâ€“Glycan Complexes Derived from Nuclear Magnetic Resonance and Molecular Dynamics Studies. Biochemistry, 2014, 53, 4122-4135.	1.2	14
72	Characterisation of the interaction of neuropilin-1 with heparin and a heparan sulfate mimetic library of heparin-derived sugars. PeerJ, 2014, 2, e461.	0.9	14

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73	Analysis of the fibroblast growth factor receptor (<scp>FGFR</scp>) signalling network with heparin as coreceptor: evidence for the expansion of the core <scp>FGFR</scp> signalling network. FEBS Journal, 2013, 280, 2260-2270.	2.2	24
74	Human (Î±2â†'6) and Avian (Î±2â†'3) Sialylated Receptors of Influenza A Virus Show Distinct Conformations and Dynamics in Solution. Biochemistry, 2013, 52, 7217-7230.	1.2	45
75	Antithrombin stabilisation by sulfated carbohydrates correlates with anticoagulant activity. MedChemComm, 2013, 4, 870.	3.5	24
76	Unravelling Structural Information from Complex Mixtures Utilizing Correlation Spectroscopy Applied to HSQC Spectra. Analytical Chemistry, 2013, 85, 7487-7493.	3.2	24
77	Diversification of the Structural Determinants of Fibroblast Growth Factor-Heparin Interactions. Journal of Biological Chemistry, 2012, 287, 40061-40073.	1.6	69
78	Siteâ€Specific Identification of an AÎ² Fibrilâ€"Heparin Interaction Site by Using Solidâ€State NMR Spectroscopy. Angewandte Chemie - International Edition, 2012, 51, 13140-13143.	7.2	26
79	Fundamental differences in model cell-surface polysaccharides revealed by complementary optical and spectroscopic techniques. Soft Matter, 2012, 8, 6521.	1.2	7
80	A highly efficient tree structure for the biosynthesis of heparan sulfate accounts for the commonly observed disaccharides and suggests a mechanism for domain synthesis. Molecular BioSystems, 2012, 8, 1499.	2.9	33
81	A zinc complex of heparan sulfate destabilises lysozyme and alters its conformation. Biochemical and Biophysical Research Communications, 2012, 425, 794-799.	1.0	7
82	How To Find a Needle (or Anything Else) in a Haystack: Two-Dimensional Correlation Spectroscopy-Filtering with Iterative Random Sampling Applied to Pharmaceutical Heparin. Analytical Chemistry, 2012, 84, 6841-6847.	3.2	22
83	Following Proteinâ€"Glycosaminoglycan Polysaccharide Interactions with Differential Scanning Fluorimetry. Methods in Molecular Biology, 2012, 836, 171-182.	0.4	4
84	Heparan sulphate, its derivatives and analogues share structural characteristics that can be exploited, particularly in inhibiting microbial attachment. Brazilian Journal of Medical and Biological Research, 2012, 45, 386-391.	0.7	5
85	High-sensitivity visualisation of contaminants in heparin samples by spectral filtering of 1H NMR spectra. Analyst, The, 2011, 136, 1390.	1.7	23
86	Construction and use of a library of bona fide heparins employing 1H NMR and multivariate analysis. Analyst, The, 2011, 136, 1380.	1.7	26
87	A robust method to quantify low molecular weight contaminants in heparin: detection of tris(2-n-butoxyethyl) phosphate. Analyst, The, 2011, 136, 2330.	1.7	16
88	A New Approach for Heparin Standardization: Combination of Scanning UV Spectroscopy, Nuclear Magnetic Resonance and Principal Component Analysis. PLoS ONE, 2011, 6, e15970.	1.1	25
89	Anaerobe/aerobe environmental flux determines protein expression profiles of Bacteroides fragilis, a redox pathogen. Anaerobe, 2011, 17, 4-14.	1.0	5
90	Low molecular weight heparins: Structural differentiation by spectroscopic and multivariate approaches. Carbohydrate Polymers, 2011, 85, 903-909.	5.1	16

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91	The conformation and structure of GAGs: recent progress and perspectives. Current Opinion in Structural Biology, 2010, 20, 567-574.	2.6	51
92	Disaccharide compositional analysis of heparan sulfate and heparin polysaccharides using UV or high-sensitivity fluorescence (BODIPY) detection. Nature Protocols, 2010, 5, 1983-1992.	5.5	47
93	Comparable stabilisation, structural changes and activities can be induced in FGF by a variety of HS and non-GAG analogues: implications for sequence-activity relationships. Organic and Biomolecular Chemistry, 2010, 8, 5390.	1.5	29
94	Generating heparan sulfate saccharide libraries for glycomics applications. Nature Protocols, 2010, 5, 821-833.	5.5	47
95	Conformational degeneracy restricts the effective information content of heparan sulfate. Molecular BioSystems, 2010, 6, 902.	2.9	21
96	Differential Scanning Fluorimetry Measurement of Protein Stability Changes upon Binding to Glycosaminoglycans: A Screening Test for Binding Specificity. Analytical Chemistry, 2010, 82, 3796-3802.	3.2	53
97	The latent ampholytic nature of glycosaminoglycan (GAG) oligosaccharides facilitates their separation by isoelectric focusing. Analytical Methods, 2010, 2, 1550.	1.3	4
98	Raman and Raman optical activity of glycosaminoglycans. Chemical Communications, 2010, 46, 4124.	2.2	29
99	Rapid Purification and High Sensitivity Analysis of Heparan Sulfate from Cells and Tissues. Journal of Biological Chemistry, 2009, 284, 25714-25722.	1.6	44
100	Glycosaminoglycan origin and structure revealed by multivariate analysis of NMR and CD spectra. Glycobiology, 2009, 19, 52-67.	1.3	50
101	Cations Modulate Polysaccharide Structure To Determine FGFâ^'FGFR Signaling: A Comparison of Signaling and Inhibitory Polysaccharide Interactions with FGF-1 in Solution. Biochemistry, 2009, 48, 4772-4779.	1.2	16
102	Exploiting a 13C-labelled heparin analogue for in situ solid-state NMR investigations of peptide-glycan interactions within amyloid fibrils. Organic and Biomolecular Chemistry, 2009, 7, 2414.	1.5	16
103	The potential for circular dichroism as an additional facile and sensitive method of monitoring low-molecular-weight heparins and heparinoids. Thrombosis and Haemostasis, 2009, 102, 874-878.	1.8	25
104	Site-specific interactions of copper(II) ions with heparin revealed with complementary (SRCD, NMR,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.1	32
105	Selective Detection of Protein Secondary Structural Changes in Solution Proteinâ^'Polysaccharide Complexes Using Vibrational Circular Dichroism (VCD). Journal of the American Chemical Society, 2008, 130, 2138-2139.	6.6	19
106	Disruption of Rosetting in Plasmodium falciparum Malaria with Chemically Modified Heparin and Low Molecular Weight Derivatives Possessing Reduced Anticoagulant and Other Serine Protease Inhibition Activities. Journal of Medicinal Chemistry, 2008, 51, 1453-1458.	2.9	26
107	Software Tool for the Structural Determination of Glycosaminoglycans by Mass Spectrometry. Analytical Chemistry, 2008, 80, 9204-9212.	3.2	33
108	The Activities of Heparan Sulfate and its Analogue Heparin are Dictated by Biosynthesis, Sequence, and Conformation. Connective Tissue Research, 2008, 49, 140-144.	1.1	38

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109	Specific Heparan Sulfate Structures Modulate FGF10-mediated Submandibular Gland Epithelial Morphogenesis and Differentiation. Journal of Biological Chemistry, 2008, 283, 9308-9317.	1.6	93
110	Engineered Heparins: Novel Î²-Secretase Inhibitors as Potential Alzheimerâ€™s Disease Therapeutics. Neurodegenerative Diseases, 2008, 5, 197-199.	0.8	30
111	The redox potential interferes with the expression of laminin binding molecules in Bacteroides fragilis. Memorias Do Instituto Oswaldo Cruz, 2008, 103, 683-689.	0.8	6
112	Influence of substitution pattern and cation binding on conformation and activity in heparin derivatives. Glycobiology, 2007, 17, 983-993.	1.3	66
113	Heparin Derivatives as Inhibitors of BACE-1, the Alzheimer's Î²-Secretase, with Reduced Activity against Factor Xa and Other Proteases. Journal of Medicinal Chemistry, 2006, 49, 6129-6132.	2.9	69
114	Proteinâ€"GAG interactions: new surface-based techniques, spectroscopies and nanotechnology probes. Biochemical Society Transactions, 2006, 34, 427-430.	1.6	38
115	High sensitivity separation and detection of heparan sulfate disaccharides. Journal of Chromatography A, 2006, 1135, 52-56.	1.8	54
116	Engineered Bio-Active Polysaccharides from Heparin. Macromolecular Bioscience, 2006, 6, 681-686.	2.1	15
117	Novel heparan sulphate analogues: inhibition of Î²-secretase cleavage of amyloid precursor protein. Biochemical Society Transactions, 2005, 33, 1116-1118.	1.6	3
118	Novel heparan sulphate analogues: inhibition of Î²-secretase cleavage of amyloid precursor protein. Biochemical Society Transactions, 2005, 33, 1116.	1.6	12
119	Surface-Based Studies of Heparin/Heparan Sulfate-Protein Interactions: Considerations for Surface Immobilisation of HS/Heparin Saccharides and Monitoring Their Interactions with Binding Proteins. , 2005, , 345-366.		2
120	Interactions of heparin/heparan sulfate with proteins: Appraisal of structural factors and experimental approaches. Glycobiology, 2004, 14, 17R-30R.	1.3	231
121	Attachment of glycosaminoglycan oligosaccharides to thiol-derivatised gold surfaces. Chemical Communications, 2004, , 2700.	2.2	18
122	Highly Diverse Heparan Sulfate Analogue Libraries:â€‰ Providing Access to Expanded Areas of Sequence Space for Bioactivity Screening. Journal of Medicinal Chemistry, 2004, 47, 277-280.	2.9	39
123	Lactate carbon does not enter the sugars of lipopolysaccharide when gonococci are grown in a medium containing glucose and lactate: implications in vivo. FEMS Microbiology Letters, 2003, 218, 245-250.	0.7	3
124	Structural Determinants of Heparan Sulphate Modulation of GDNF Signalling. Growth Factors, 2003, 21, 109-119.	0.5	39
125	Microwave enhanced reaction of carbohydrates with amino-derivatised labels and glass surfaces. Journal of Materials Chemistry, 2003, 13, 2061.	6.7	41
126	Heparan sulfate regulates amyloid precursor protein processing by BACE1, the Alzheimer's Î²-secretase. Journal of Cell Biology, 2003, 163, 97-107.	2.3	175

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127	N-Acylhomoserine Lactones Undergo Lactonolysis in a pH-, Temperature-, and Acyl Chain Length-Dependent Manner during Growth of Yersinia pseudotuberculosis and Pseudomonas aeruginosa. Infection and Immunity, 2002, 70, 5635-5646.	1.0	560
128	Specific heparan sulfate structures involved in retinal axon targeting. Development (Cambridge), 2002, 129, 61-70.	1.2	90
129	Lactate Stimulation of Gonococcal Metabolism in Media Containing Glucose: Mechanism, Impact on Pathogenicity, and Wider Implications for Other Pathogens. Infection and Immunity, 2001, 69, 6565-6572.	1.0	36
130	Effect of substitution pattern on 1H, 13C NMR chemical shifts and 1JCH coupling constants in heparin derivatives. Carbohydrate Research, 2000, 329, 239-247.	1.1	54
131	In a medium containing glucose, lactate carbon is incorporated by gonococci predominantly into fatty acids and glucose carbon incorporation is increased: implications regarding lactate stimulation of metabolism. International Journal of Medical Microbiology, 2000, 290, 627-639.	1.5	9
132	Evidence for a heparin derivative containing an N-sulfated aziridine ring that retains high anti-factor Xa activity. Carbohydrate Research, 1997, 298, 335-340.	1.1	10
133	Modifications under basic conditions of the minor sequences of heparin containing 2,3 or 2,3,6 sulfatedd-glucosamine residues. Carbohydrate Research, 1997, 302, 103-108.	1.1	19
134	Immunochemical comparison of membrane-associated and secreted arabinogalactan-proteins in rice and carrot. Planta, 1996, 198, 452-459.	1.6	213
135	1H and 13C NMR spectral assignments of the major sequences of twelve systematically modified heparin derivatives. Carbohydrate Research, 1996, 294, 15-27.	1.1	141
136	Characterization of carbohydrate structural features recognized by anti-arabinogalactan-protein monoclonal antibodies. Glycobiology, 1996, 6, 131-139.	1.3	273
137	Structural studies of O-sulfated D-glucosamines. The crystal and molecular structures of 2-amino-2-deoxy-Î±/ Î²-D-glucopyranose 3-sulfate (free acid) and 2-amino-2-deoxy-Î²-D-glucopyranose 6-sulfate (free base). Carbohydrate Research, 1995, 266, 65-74.	1.1	7
138	The crystal and molecular structure of 2-sulfamino-2-deoxy-Î±-d-glucopyranose sodium saltÂ·2H2O (glucosamine 2-sulfate). International Journal of Biological Macromolecules, 1995, 17, 219-226.	3.6	18
139	Investigations into the occurrence of plant cell surface epitopes in exudate gums. Carbohydrate Polymers, 1994, 24, 281-286.	5.1	36
140	Synthesis and X-ray crystallographic structure determination of methyl Î±-d-galactopyranoside 2,6-bis(sodium sulfate) Â· 2H2O. Carbohydrate Research, 1993, 241, 89-98.	1.1	12
141	Analysis of protein-heparin interactions using a portable SPR instrument. , 0, 4, e15.		1