

Helena Nader

List of Publications by Year in descending order

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301
papers

8,209
citations

38742

50
h-index

85541

71
g-index

307
all docs

307
docs citations

307
times ranked

8730
citing authors

#	ARTICLE	IF	CITATIONS
1	Heparan sulfate and heparin interactions with proteins. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20150589.	3.4	229
2	Heparin Inhibits Cellular Invasion by SARS-CoV-2: Structural Dependence of the Interaction of the Spike S1 Receptor-Binding Domain with Heparin. <i>Thrombosis and Haemostasis</i> , 2020, 120, 1700-1715.	3.4	228
3	Heparan sulfate proteoglycans: structure, protein interactions and cell signaling. <i>Anais Da Academia Brasileira De Ciencias</i> , 2009, 81, 409-429.	0.8	201
4	Cathepsin B Activity Regulation. <i>Journal of Biological Chemistry</i> , 2001, 276, 944-951.	3.4	169
5	Structural and Hemostatic Activities of a Sulfated Galactofucan from the Brown Alga <i>Spatoglossum schroederi</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 41278-41288.	3.4	133
6	Recovery of protein, chitin, carotenoids and glycosaminoglycans from Pacific white shrimp (<i>Litopenaeus vannamei</i>) processing waste. <i>Process Biochemistry</i> , 2012, 47, 570-577.	3.7	133
7	Distribution of sulfated glycosaminoglycans in the animal kingdom: widespread occurrence of heparin-like compounds in invertebrates. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2000, 1475, 287-294.	2.4	124
8	Brown spider dermonecrotic toxin directly induces nephrotoxicity. <i>Toxicology and Applied Pharmacology</i> , 2006, 211, 64-77.	2.8	116
9	Heparin stimulates the synthesis and modifies the sulfation pattern of heparan sulfate proteoglycan from endothelial cells. <i>Journal of Cellular Physiology</i> , 1989, 140, 305-310.	4.1	107
10	Structural differences of heparan sulfates according to the tissue and species of origin. <i>Biochemical and Biophysical Research Communications</i> , 1983, 111, 865-871.	2.1	106
11	Identification, cloning, expression and functional characterization of an astacin-like metalloprotease toxin from <i>Loxosceles intermedia</i> (brown spider) venom. <i>Biochemical Journal</i> , 2007, 406, 355-363.	3.7	102
12	A preponderantly 4-sulfated, 3-linked galactan from the green alga <i>Codium isthmocladum</i> . <i>Glycobiology</i> , 2007, 18, 250-259.	2.5	98
13	Crotamine Mediates Gene Delivery into Cells through the Binding to Heparan Sulfate Proteoglycans. <i>Journal of Biological Chemistry</i> , 2007, 282, 21349-21360.	3.4	97
14	A novel expression profile of the <i>Loxosceles intermedia</i> spider venomous gland revealed by transcriptome analysis. <i>Molecular BioSystems</i> , 2010, 6, 2403.	2.9	95
15	Transport of UDP-Galactose into the Golgi Lumen Regulates the Biosynthesis of Proteoglycans. <i>Journal of Biological Chemistry</i> , 1996, 271, 3897-3901.	3.4	92
16	Identification of proteases in the extract of venom glands from brown spiders. <i>Toxicon</i> , 2002, 40, 815-822.	1.6	90
17	Structure and pharmacological activities of a sulfated xylofucoglucuronan from the alga <i>Spatoglossum schroederi</i> . <i>Plant Science</i> , 1998, 132, 215-228.	3.6	85
18	Heparins and Heparinoids: Occurrence, Structure and Mechanism of Antithrombotic and Hemorrhagic Activities. <i>Current Pharmaceutical Design</i> , 2004, 10, 951-966.	1.9	85

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19	Molecular cloning and functional characterization of two isoforms of dermonecrotic toxin from <i>Loxosceles intermedia</i> (Brown spider) venom gland. <i>Biochimie</i> , 2006, 88, 1241-1253.	2.6	84
20	Heparin fractionation by electrofocusing: Presence of 21 components of different molecular weights. <i>Biochemical and Biophysical Research Communications</i> , 1974, 57, 488-493.	2.1	83
21	Practical determination of hyaluronan by a new noncompetitive fluorescence-based assay on serum of normal and cirrhotic patients. <i>Analytical Biochemistry</i> , 2003, 319, 65-72.	2.4	81
22	Cytotoxic effects of crostamine are mediated through lysosomal membrane permeabilization. <i>Toxicon</i> , 2008, 52, 508-517.	1.6	81
23	Growth inhibition and pro-apoptotic activity of violacein in Ehrlich ascites tumor. <i>Chemico-Biological Interactions</i> , 2010, 186, 43-52.	4.0	74
24	Lumican expression, localization and antitumor activity in prostate cancer. <i>Experimental Cell Research</i> , 2013, 319, 967-981.	2.6	70
25	Two novel dermonecrotic toxins LiRecDT4 and LiRecDT5 from Brown spider (<i>Loxosceles intermedia</i>) venom: From cloning to functional characterization. <i>Biochimie</i> , 2007, 89, 289-300.	2.6	69
26	Identification, cloning and functional characterization of a novel dermonecrotic toxin (phospholipase D) from brown spider (<i>Loxosceles intermedia</i>) venom. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2008, 1780, 167-178.	2.4	66
27	Electrofocusing of heparin: Fractionation of heparin into 21 components distinguishable from other acidic mucopolysaccharides. <i>Biopolymers</i> , 1975, 14, 1473-1486.	2.4	65
28	Immunofluorescence Confocal Microscopy of Porcine Corneas Following Collagen Cross-linking Treatment With Riboflavin and Ultraviolet A. <i>Journal of Refractive Surgery</i> , 2008, 24, S715-9.	2.3	65
29	Hyaluronidases in <i>Loxosceles intermedia</i> (Brown spider) venom are endo- ¹² -N-acetyl-d-hexosaminidases hydrolases. <i>Toxicon</i> , 2007, 49, 758-768.	1.6	63
30	Anti-inflammatory properties of a heparin-like glycosaminoglycan with reduced anti-coagulant activity isolated from a marine shrimp. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 9588-9595.	3.0	62
31	The Natural Cell-Penetrating Peptide Crostamine Targets Tumor Tissue <i>in Vivo</i> and Triggers a Lethal Calcium-Dependent Pathway in Cultured Cells. <i>Molecular Pharmaceutics</i> , 2012, 9, 211-221.	4.6	62
32	Melanocyte Transformation Associated with Substrate Adhesion Impediment. <i>Neoplasia</i> , 2006, 8, 231-241.	5.3	61
33	Noninvasive serum markers in the diagnosis of structural liver damage in chronic hepatitis C virus infection. <i>Liver International</i> , 2006, 26, 1095-1099.	3.9	61
34	A Novel Hyaluronidase from Brown Spider (<i>Loxosceles intermedia</i>) Venom (Dietrich's Hyaluronidase): From Cloning to Functional Characterization. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2206.	3.0	61
35	Praziquantel and albendazole damaging action on <i>in vitro</i> developing <i>Mesocestoides corti</i> (Platyhelminthes: Cestoda). <i>Parasitology International</i> , 2006, 55, 51-61.	1.3	60
36	Fractionation and identification of heparin and other acidic mucopolysaccharides by a new discontinuous electrophoretic method. <i>Journal of Chromatography A</i> , 1980, 196, 455-462.	3.7	57

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37	Identification of prolylcarboxypeptidase as the cell matrix-associated prekallikrein activator. <i>FEBS Letters</i> , 2002, 523, 167-170.	2.8	57
38	Influence of Protein Corona on the Transport of Molecules into Cells by Mesoporous Silica Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 8387-8393.	8.0	57
39	In Vivo and In Vitro Cytotoxicity of Brown Spider Venom for Blood Vessel Endothelial Cells. <i>Thrombosis Research</i> , 2001, 102, 229-237.	1.7	56
40	Web-based learning in undergraduate medical education: development and assessment of an online course on experimental surgery. <i>International Journal of Medical Informatics</i> , 2004, 73, 731-742.	3.3	55
41	Colorectal cancer desmoplastic reaction up-regulates collagen synthesis and restricts cancer cell invasion. <i>Cell and Tissue Research</i> , 2011, 346, 223-236.	2.9	55
42	Biological and structural comparison of recombinant phospholipase D toxins from <i>Loxosceles intermedia</i> (brown spider) venom. <i>Toxicon</i> , 2007, 50, 1162-1174.	1.6	54
43	Effect of brown spider venom on basement membrane structures. <i>The Histochemical Journal</i> , 2000, 32, 397-408.	0.6	53
44	Human neutrophil migration in vitro induced by secretory phospholipases A2: a role for cell surface glycosaminoglycans ¹ Abbreviations: PLA2s, phospholipases A2; sPLA2, secretory PLA2; MEM, Eagle's Minimum Essential Medium; HPF, high-power field; LTB4, leukotriene B4; PAF, platelet-activating factor; and fMLP, N-formyl-methionyl-leucyl-phenylalanine.. <i>Biochemical Pharmacology</i> , 2002, 63, 65-72.	4.4	53
45	Fibroblast and prostate tumor cell cross-talk: Fibroblast differentiation, TGF- β ² , and extracellular matrix down-regulation. <i>Experimental Cell Research</i> , 2010, 316, 3207-3226.	2.6	53
46	Isolation and characterization of a heparin with high anticoagulant activity from <i>Anomalocardia brasiliensis</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1985, 843, 1-7.	2.4	52
47	Cathepsin X binds to cell surface heparan sulfate proteoglycans. <i>Archives of Biochemistry and Biophysics</i> , 2005, 436, 323-332.	3.0	52
48	Retinyl palmitate flexible polymeric nanocapsules: Characterization and permeation studies. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 81, 374-380.	5.0	52
49	Phospholipase-D activity and inflammatory response induced by brown spider dermonecrotic toxin: Endothelial cell membrane phospholipids as targets for toxicity. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2011, 1811, 84-96.	2.4	52
50	A new approach for the characterization of polysaccharides from algae: presence of four main acidic polysaccharides in three species of the class Phaeophyceae. <i>Plant Science</i> , 1995, 108, 143-153.	3.6	51
51	Cysteine Proteinase Activity Regulation. <i>Journal of Biological Chemistry</i> , 1999, 274, 30433-30438.	3.4	51
52	Syndecan-4 contributes to endothelial tubulogenesis through interactions with two motifs inside the pro-angiogenic N-terminal domain of thrombospondin-1. <i>Journal of Cellular Physiology</i> , 2008, 214, 828-837.	4.1	51
53	Effect of corneal epithelium on ultraviolet-A and riboflavin absorption. <i>Arquivos Brasileiros De Oftalmologia</i> , 2011, 74, 348-351.	0.5	51
54	Determination of sulfate after chromatography and toluidine blue complex formation. <i>Analytical Biochemistry</i> , 1977, 78, 112-118.	2.4	50

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55	Evaluation of Anti-Nociceptive and Anti-Inflammatory Activities of a Heterofucan from <i>Dictyota menstrualis</i> . <i>Marine Drugs</i> , 2013, 11, 2722-2740.	4.6	48
56	Antiangiogenic activity and direct antitumor effect from a sulfated polysaccharide isolated from seaweed. <i>Microvascular Research</i> , 2013, 88, 12-18.	2.5	46
57	Mitogenic activity of acidic fibroblast growth factor is enhanced by highly sulfated oligosaccharides derived from heparin and heparan sulfate. <i>Molecular and Cellular Biochemistry</i> , 1993, 124, 121-129.	3.1	45
58	Structural features and anticoagulant activities of a novel natural low molecular weight heparin from the shrimp <i>Penaeus brasiliensis</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1999, 1428, 273-283.	2.4	43
59	Heparanase-2, syndecan-1, and extracellular matrix remodeling in colorectal carcinoma. <i>European Journal of Gastroenterology and Hepatology</i> , 2008, 20, 756-765.	1.6	42
60	Phosphoproteome reveals an atlas of protein signaling networks during osteoblast adhesion. <i>Journal of Cellular Biochemistry</i> , 2010, 109, 957-966.	2.6	42
61	Heparanase Expression in Circulating Lymphocytes of Breast Cancer Patients Depends on the Presence of the Primary Tumor and/or Systemic Metastasis. <i>Neoplasia</i> , 2007, 9, 504-510.	5.3	41
62	Evaluation of Chitosan-Based Films Containing Gelatin, Chondroitin 4-Sulfate and ZnO for Wound Healing. <i>Applied Biochemistry and Biotechnology</i> , 2017, 183, 765-777.	2.9	41
63	Acquisition of anoikis resistance promotes alterations in the Ras/ERK and PI3K/Akt signaling pathways and matrix remodeling in endothelial cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2017, 22, 1116-1137.	4.9	41
64	A Non-Anticoagulant Heterofucan has Antithrombotic Activity <i>in vivo</i> . <i>Planta Medica</i> , 2008, 74, 712-718.	1.3	39
65	Dual Role of Intravitreal Infliximab in Experimental Choroidal Neovascularization: Effect on the Expression of Sulfated Glycosaminoglycans. , 2009, 50, 5487.		39
66	Role of heparan sulphate proteoglycans as potential receptors for non-piliated <i>Pseudomonas aeruginosa</i> adherence to non-polarised airway epithelial cells. <i>Journal of Medical Microbiology</i> , 2001, 50, 183-190.	1.8	38
67	Post-translational Modifications of $\alpha_5\beta_1$ Integrin by Glycosaminoglycan Chains. <i>Journal of Biological Chemistry</i> , 1997, 272, 12529-12535.	3.4	37
68	Heparin in molluscs: chemical, enzymatic degradation and ^{13}C and ^1H n.m.r. spectroscopical evidence for the maintenance of the structure through evolution. <i>International Journal of Biological Macromolecules</i> , 1989, 11, 361-366.	7.5	36
69	Comparison of practical methods for urinary glycosaminoglycans and serum hyaluronan with clinical activity scores in patients with Graves' ophthalmopathy. <i>Clinical Endocrinology</i> , 2004, 60, 726-733.	2.4	36
70	Identification and partial characterisation of hyaluronidases in <i>Lonomia obliqua</i> venom. <i>Toxicon</i> , 2005, 45, 403-410.	1.6	36
71	<i>Enterolobium contortisiliquum</i> Trypsin Inhibitor (EcTI), a Plant Proteinase Inhibitor, Decreases <i>In Vitro</i> Cell Adhesion and Invasion by Inhibition of Src Protein-Focal Adhesion Kinase (FAK) Signaling Pathways*. <i>Journal of Biological Chemistry</i> , 2012, 287, 170-182.	3.4	36
72	Absence of heparin or heparine-like compounds in mast-cell-free tissues and animals. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1982, 717, 478-485.	2.4	35

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73	Fucan Inhibits Chinese Hamster Ovary Cell (CHO) Adhesion to Fibronectin by Binding to the Extracellular Matrix. <i>Planta Medica</i> , 2005, 71, 628-633.	1.3	35
74	Growth inhibitory activity of a novel lectin from <i>Cliona varians</i> against K562 human erythroleukemia cells. <i>Cancer Chemotherapy and Pharmacology</i> , 2009, 63, 1023-1033.	2.3	35
75	Cell-Permeable Gomesin Peptide Promotes Cell Death by Intracellular Ca ²⁺ Overload. <i>Molecular Pharmaceutics</i> , 2012, 9, 2686-2697.	4.6	35
76	Hyaluronic acid concentration in postmenopausal facial skin after topical estradiol and genistein treatment. <i>Menopause</i> , 2013, 20, 336-341.	2.0	35
77	Selective distribution of the heparin in mammals conspicuous presence of heparin in lymphoid tissues. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1980, 627, 40-48.	2.4	34
78	Influence of sulfated polysaccharides from <i>Ulva lactuca</i> L. upon Xa and IIa coagulation factors and on venous blood clot formation. <i>Algal Research</i> , 2020, 45, 101750.	4.6	34
79	Excretion of chondroitin sulfate C with low sulfate content by patients with generalized platyspondyly (brachyolmia). <i>Biochemical Medicine</i> , 1973, 7, 415-423.	0.5	33
80	Heterogeneity of heparin: characterization of one hundred components with different anticoagulant activities by a combination of electrophoretic and affinity chromatography methods. <i>International Journal of Biological Macromolecules</i> , 1981, 3, 356-360.	7.5	33
81	Glycosaminoglycans affect the action of human plasma kallikrein on kininogen hydrolysis and inflammation. <i>International Immunopharmacology</i> , 2002, 2, 1861-1865.	3.8	33
82	Effect of Collagen Cross-linking in Stromal Fibril Organization in Edematous Human Corneas. <i>Cornea</i> , 2010, 29, 789-793.	1.7	33
83	Syndecan-2 is upregulated in colorectal cancer cells through interactions with extracellular matrix produced by stromal fibroblasts. <i>BMC Cell Biology</i> , 2013, 14, 25.	3.0	33
84	A non-hemorrhagic hybrid heparin/heparan sulfate with anticoagulant potential. <i>Carbohydrate Polymers</i> , 2014, 99, 372-378.	10.2	33
85	Oligosaccharide residues of <i>Loxosceles intermedia</i> (brown spider) venom proteins: dependence on glycosylation for dermonecrotic activity. <i>Toxicon</i> , 1999, 37, 587-607.	1.6	31
86	Glycosaminoglycan profile in bladder and urethra of castrated rats treated with estrogen, progesterone, and raloxifene. <i>American Journal of Obstetrics and Gynecology</i> , 2003, 189, 1654-1659.	1.3	31
87	The effect of brown spider venom on endothelial cell morphology and adhesive structures. <i>Toxicon</i> , 2006, 47, 844-853.	1.6	31
88	The Identification of Proteoglycans and Glycosaminoglycans in Archaeological Human Bones and Teeth. <i>PLoS ONE</i> , 2015, 10, e0131105.	2.5	31
89	A novel heparan sulphate with high degree of N-sulphation and high heparin cofactor-II activity from the brine shrimp <i>Artemia franciscana</i> . <i>International Journal of Biological Macromolecules</i> , 2000, 27, 49-57.	7.5	30
90	The Low Level Laser Therapy Effect on the Remodeling of Bone Extracellular Matrix. <i>Photochemistry and Photobiology</i> , 2012, 88, 1293-1301.	2.5	30

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91	A heparin-like glycosaminoglycan from shrimp containing high levels of 3-O-sulfated d-glucosamine groups in an unusual trisaccharide sequence. <i>Carbohydrate Research</i> , 2014, 390, 59-66.	2.3	30
92	Lumican Peptides: Rational Design Targeting ALK5/TGFBRI. <i>Scientific Reports</i> , 2017, 7, 42057.	3.3	30
93	Turnover, change of composition with rate of cell growth and effect of phenylxyloside on synthesis and structure of cell surface sulfated glycosaminoglycans of normal and transformed cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1982, 717, 387-397.	2.4	29
94	New insights on the specificity of heparin and heparan sulfate lyases from <i>Flavobacterium heparinum</i> revealed by the use of synthetic derivatives of K5 polysaccharide from <i>E. coli</i> and 2-O-desulfated heparin. <i>Glycoconjugate Journal</i> , 1999, 16, 265-270.	2.7	29
95	Structural and inhibitory properties of a plant proteinase inhibitor containing the RGD motif. <i>International Journal of Biological Macromolecules</i> , 2006, 40, 22-29.	7.5	29
96	Urinary Hyaluronan as a Marker for the Presence of Residual Transitional Cell Carcinoma of the Urinary Bladder. <i>European Urology</i> , 2006, 49, 71-75.	1.9	29
97	Concentration and distribution of hyaluronic acid in mouse uterus throughout the estrous cycle. <i>Fertility and Sterility</i> , 2009, 92, 785-792.	1.0	29
98	Concentration of hyaluronic acid in primary open-angle glaucoma aqueous humor. <i>Experimental Eye Research</i> , 2005, 80, 853-857.	2.6	27
99	Adult bone marrow-derived mononuclear cells expressing chondroitinase AC transplanted into CNS injury sites promote local brain chondroitin sulphate degradation. <i>Journal of Neuroscience Methods</i> , 2008, 171, 19-29.	2.5	27
100	Inhibitory Peptides of the Sulfotransferase Domain of the Heparan Sulfate Enzyme, N-Deacetylase-N-sulfotransferase-1. <i>Journal of Biological Chemistry</i> , 2011, 286, 5338-5346.	3.4	27
101	A heparin-like compound isolated from a marine crab rich in glucuronic acid 2-O-sulfate presents low anticoagulant activity. <i>Carbohydrate Polymers</i> , 2013, 94, 647-654.	10.2	27
102	SULF2 overexpression positively regulates tumorigenicity of human prostate cancer cells. <i>Journal of Experimental and Clinical Cancer Research</i> , 2015, 34, 25.	8.6	27
103	Heparan Sulfate Proteoglycans in Human Colorectal Cancer. <i>Analytical Cellular Pathology</i> , 2018, 2018, 1-10.	1.4	27
104	Stimulation of heparan sulfate proteoglycan synthesis and secretion during G1 phase induced by growth factors and PMA. , 1998, 70, 563-572.		26
105	Concentration and Distribution of Hyaluronic Acid in Human Vocal Folds. <i>Laryngoscope</i> , 2007, 117, 595-599.	2.0	26
106	Urinary Glycosaminoglycans as Biomarker for Urothelial Injury: Is It Possible to Discriminate Damage From Recovery?. <i>Urology</i> , 2008, 72, 937-942.	1.0	26
107	Participation of heparin binding proteins from the surface of <i>Leishmania (Viannia) braziliensis</i> promastigotes in the adhesion of parasites to <i>Lutzomyia longipalpis</i> cells (Lulo) in vitro. <i>Parasites and Vectors</i> , 2012, 5, 142.	2.5	26
108	The binding of heparin to the extracellular matrix of endothelial cells upâ€regulates the synthesis of an antithrombotic heparan sulfate proteoglycan. <i>Journal of Cellular Physiology</i> , 2008, 217, 328-337.	4.1	25

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109	Heparin Induces Rat Aorta Relaxation via Integrin-Dependent Activation of Muscarinic M ₃ Receptors. <i>Hypertension</i> , 2010, 56, 713-721.	2.7	25
110	A New Approach for Heparin Standardization: Combination of Scanning UV Spectroscopy, Nuclear Magnetic Resonance and Principal Component Analysis. <i>PLoS ONE</i> , 2011, 6, e15970.	2.5	25
111	Appearance and fate of a β -galactanase, β -galactosidases, heparan sulfate and chondroitin sulfate degrading enzymes during embryonic development of the mollusc <i>Pomacea</i> sp. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1994, 1200, 241-248.	2.4	24
112	Antithrombin stabilisation by sulfated carbohydrates correlates with anticoagulant activity. <i>MedChemComm</i> , 2013, 4, 870.	3.4	24
113	Differentiation of Hunter's and Hurler's syndromes by the analysis of the excreted mucopolysaccharides. <i>Biochemical Medicine</i> , 1973, 8, 371-379.	0.5	23
114	Development of an enzyme-linked immunosorbent assay (ELISA)-like fluorescence assay to investigate the interactions of glycosaminoglycans to cells. <i>Analytica Chimica Acta</i> , 2008, 618, 218-226.	5.4	23
115	Urinary glycosaminoglycans excretion and the effect of dimethyl sulfoxide in an experimental model of non-bacterial cystitis. <i>International Braz J Urol: Official Journal of the Brazilian Society of Urology</i> , 2008, 34, 503-511.	1.5	23
116	High-sensitivity visualisation of contaminants in heparin samples by spectral filtering of ¹ H NMR spectra. <i>Analyst</i> , 2011, 136, 1390.	3.5	23
117	Heparan sulfate mediates trastuzumab effect in breast cancer cells. <i>BMC Cancer</i> , 2013, 13, 444.	2.6	23
118	Acquisition of Anoikis Resistance Up-Regulates Syndecan-4 Expression in Endothelial Cells. <i>PLoS ONE</i> , 2014, 9, e116001.	2.5	23
119	Pharmacological prospection and structural characterization of two purified sulfated and pyruvylated homogalactans from green algae <i>Codium isthmocladum</i> . <i>Carbohydrate Polymers</i> , 2019, 222, 115010.	10.2	23
120	Antithrombotic agents stimulate the synthesis and modify the sulfation pattern of a heparan sulfate proteoglycan from endothelial cells. <i>Thrombosis Research</i> , 1994, 74, 143-153.	1.7	22
121	A Xylogalactofucan from the Brown Seaweed <i>Spatoglossum schröderi</i> Stimulates the Synthesis of an Antithrombotic Heparan Sulfate from Endothelial Cells. <i>Planta Medica</i> , 2005, 71, 379-381.	1.3	22
122	Enhanced Tumorigenic Potential of Colorectal Cancer Cells by Extracellular Sulfatases. <i>Molecular Cancer Research</i> , 2015, 13, 510-523.	3.4	22
123	Clinical and laboratorial study of 19 cases of mucopolysaccharidoses. <i>Revista Do Hospital Das Clinicas</i> , 2000, 55, 213-218.	0.5	21
124	Chondroitin Sulfate Proteoglycans Are Structural Renewable Constituents of the Rabbit Vitreous Body. <i>Current Eye Research</i> , 2005, 30, 405-413.	1.5	21
125	Heparin modulation of human plasma kallikrein on different substrates and inhibitors. <i>Biological Chemistry</i> , 2006, 387, 1129-38.	2.5	21
126	A further unique chondroitin sulfate from the shrimp <i>Litopenaeus vannamei</i> with antithrombin activity that modulates acute inflammation. <i>Carbohydrate Polymers</i> , 2019, 222, 115031.	10.2	21

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127	The Profile of Heparanase Expression Distinguishes Differentiated Thyroid Carcinoma from Benign Neoplasms. <i>PLoS ONE</i> , 2015, 10, e0141139.	2.5	21
128	Maintenance of heparan sulfate structure throughout evolution: Chemical and enzymic degradation, and ¹³ C-n.m.r.-spectral evidence. <i>Carbohydrate Research</i> , 1988, 184, 292-300.	2.3	20
129	Heparin and a Cyclic Octaphenol-Octasulfonic Acid (GL-522-Y-1) Bind With High Affinity to a 47-kDa Protein From Vascular Endothelial Cell Surface and Stimulate the Synthesis and Structural Changes of Heparan Sulfate Proteoglycan. <i>Thrombosis Research</i> , 2001, 103, 35-45.	1.7	20
130	Heparin and Heparan Sulfate Disaccharides Bind to the Exchanger Inhibitor Peptide Region of Na ⁺ /Ca ²⁺ Exchanger and Reduce the Cytosolic Calcium of Smooth Muscle Cell Lines. <i>Journal of Biological Chemistry</i> , 2002, 277, 48227-48233.	3.4	20
131	Insights into the N-Sulfation Mechanism: Molecular Dynamics Simulations of the N-Sulfotransferase Domain of Ndst1 and Mutants. <i>PLoS ONE</i> , 2013, 8, e70880.	2.5	19
132	Expression and inactivation of osteopontin-degrading PHEX enzyme in squamous cell carcinoma. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 77, 155-164.	2.8	19
133	2,3-Di-O-sulfo glucuronic acid: An unmodified and unusual residue in a highly sulfated chondroitin sulfate from <i>Litopenaeus vannamei</i> . <i>Carbohydrate Polymers</i> , 2018, 183, 192-200.	10.2	19
134	Role of chondroitin 4-sulphate as a receptor for polycation induced human platelet aggregation. <i>British Journal of Pharmacology</i> , 1996, 119, 1447-1453.	5.4	18
135	Ras gene mutation is not related to tumour invasion during rat tongue carcinogenesis induced by 4-nitroquinoline 1-oxide. <i>Journal of Oral Pathology and Medicine</i> , 2011, 40, 325-333.	2.7	18
136	Trisulfate Disaccharide Decreases Calcium Overload and Protects Liver Injury Secondary to Liver Ischemia/Reperfusion. <i>PLoS ONE</i> , 2016, 11, e0149630.	2.5	18
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