

Keratan sulfate: An up-to-date review

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A Dilemma in the Glycosaminoglycan-Based Therapy: Synthetic or Naturally Unique Molecules?. <i>Medicinal Research Reviews</i> , 2015, 35, 1195-1219.	5.0	34
2	Glycosaminoglycans and Glycomimetics in the Central Nervous System. <i>Molecules</i> , 2015, 20, 3527-3548.	1.7	34
3	Marine Non-Glycosaminoglycan Sulfated Glycans as Potential Pharmaceuticals. <i>Pharmaceuticals</i> , 2015, 8, 848-864.	1.7	34
4	Dietary Keratan Sulfate from Shark Cartilage Modulates Gut Microbiota and Increases the Abundance of <i>Lactobacillus</i> spp.. <i>Marine Drugs</i> , 2016, 14, 224.	2.2	29
5	Chemical Derivatization of Sulfated Glycosaminoglycans. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 3018-3042.	1.2	33
6	Identification of keratan sulfate disaccharide at C-3 position of glucuronate of chondroitin sulfate from <i>Mactra chinensis</i> . <i>Biochemical Journal</i> , 2016, 473, 4145-4158.	1.7	14
7	UPLC-MS/MS detection of disaccharides derived from glycosaminoglycans as biomarkers of mucopolysaccharidoses. <i>Analytica Chimica Acta</i> , 2016, 936, 139-148.	2.6	53
8	Novel mutation in the CHST6 gene causes macular corneal dystrophy in a black South African family. <i>BMC Medical Genetics</i> , 2016, 17, 47.	2.1	11
9	Mechanistic and therapeutic overview of glycosaminoglycans: the unsung heroes of biomolecular signaling. <i>Glycoconjugate Journal</i> , 2016, 33, 1-17.	1.4	48
10	Microwave-assisted simultaneous O,N-sulfonation in the synthesis of heparin-like oligosaccharides. <i>Organic Chemistry Frontiers</i> , 2016, 3, 103-109.	2.3	19
11	Fluorous-Tag Assisted Syntheses of Sulfated Keratan Sulfate Oligosaccharide Fragments. <i>Organic Letters</i> , 2016, 18, 1414-1417.	2.4	34
12	Keratan sulfate glycosaminoglycan from chicken egg white. <i>Glycobiology</i> , 2016, 26, 693-700.	1.3	18
13	Biosynthesis of glycosaminoglycans: associated disorders and biochemical tests. <i>Journal of Inherited Metabolic Disease</i> , 2016, 39, 173-188.	1.7	45
14	Phylogeny, structure, function, biosynthesis and evolution of sulfated galactose-containing glycans. <i>International Journal of Biological Macromolecules</i> , 2016, 84, 372-379.	3.6	11
15	Podocalyxin as a major pluripotent marker and novel keratan sulfate proteoglycan in human embryonic and induced pluripotent stem cells. <i>Glycoconjugate Journal</i> , 2017, 34, 139-145.	1.4	13
16	Glycosaminoglycanomics: where we are. <i>Glycoconjugate Journal</i> , 2017, 34, 339-349.	1.4	40
17	Glycosaminoglycan-based resorbable polymer composites in tissue refurbishment. <i>Regenerative Medicine</i> , 2017, 12, 431-457.	0.8	22
18	Drug-Mediated Regulation of Glycosaminoglycan Biosynthesis. <i>Medicinal Research Reviews</i> , 2017, 37, 1051-1094.	5.0	29

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19	Podocalyxin as a major pluripotent marker and novel keratan sulfate proteoglycan in human embryonic and induced pluripotent stem cells. <i>Glycoconjugate Journal</i> , 2017, 34, 817-823.	1.4	11
20	Glycosaminoglycans from marine sources as therapeutic agents. <i>Biotechnology Advances</i> , 2017, 35, 711-725.	6.0	128
21	Construction and functional characterization of truncated versions of recombinant keratanase II from <i>Bacillus circulans</i> . <i>Glycoconjugate Journal</i> , 2017, 34, 643-649.	1.4	10
22	The Sea as a Rich Source of Structurally Unique Glycosaminoglycans and Mimetics. <i>Microorganisms</i> , 2017, 5, 51.	1.6	38
23	2.8 Artificial Extracellular Matrices to Functionalize Biomaterial Surfaces <i>â†</i> . , 2017, , 147-178.		4
24	Industrial Production of Glycosaminoglycans. , 2017, , .		6
25	Polysaccharide Based Wound Care Materials. <i>Springer Briefs in Molecular Science</i> , 2018, , 9-24.	0.1	3
26	Structural and Functional Components of the Skate Sensory Organ Ampullae of <i>Lorenzini</i> . <i>ACS Chemical Biology</i> , 2018, 13, 1677-1685.	1.6	18
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29	Synthetic Oligosaccharide Libraries and Microarray Technology: A Powerful Combination for the Success of Current Glycosaminoglycan Interactomics. <i>ChemMedChem</i> , 2018, 13, 648-661.	1.6	24
30	Outcomes from 18Âyears of cervical spine surgery in MPS IVA: a single centreâ€™s experience. <i>Child's Nervous System</i> , 2018, 34, 1705-1716.	0.6	11
31	Safety and Feasibility of Intrastromal Injection of Cultivated Human Corneal Stromal Keratocytes as Cell-Based Therapy for Corneal Opacities. , 2018, 59, 3340.		33
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35	Role of keratan sulfate expression in human pancreatic cancer malignancy. <i>Scientific Reports</i> , 2019, 9, 9665.	1.6	15
36	Glycosaminoglycan-based biomaterials for growth factor and cytokine delivery: Making the right choices. <i>Journal of Controlled Release</i> , 2019, 313, 131-147.	4.8	80

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38	Application of FTMS to the analysis of glycosaminoglycans. , 2019, , 623-649.		3
39	Synthesis of ¹³ C-labelled sulfated N-acetylglucosamines to aid in the diagnosis of mucopolysaccharidosis diseases. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2019, 62, 67-76.	0.5	0
40	Proton conductivity of glycosaminoglycans. <i>PLoS ONE</i> , 2019, 14, e0202713.	1.1	30
41	Functional Consequences of Keratan Sulfate Sulfation in Electrosensory Tissues and in Neuronal Regulation. <i>Advanced Biology</i> , 2019, 3, e1800327.	3.0	15
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46	Comparison of the toxic mechanism of T-2 toxin and deoxynivalenol on human chondrocytes by microarray and bioinformatics analysis. <i>Toxicology Letters</i> , 2020, 321, 61-68.	0.4	12
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53	NMR Characterization of the Interactions Between Glycosaminoglycans and Proteins. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 646808.	1.6	11
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55	A Bittersweet Computational Journey among Glycosaminoglycans. <i>Biomolecules</i> , 2021, 11, 739.	1.8	10
56	Role and Evolution of the Extracellular Matrix in the Acquisition of Complex Multicellularity in Eukaryotes: A Macroalgal Perspective. <i>Genes</i> , 2021, 12, 1059.	1.0	34

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64	Glycan Biosynthesis in Eukaryotes. , 2022, , 53-114.		0
65	Aggrecan and versican: two brothers close or apart. American Journal of Physiology - Cell Physiology, 2022, 322, C967-C976.	2.1	13
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