

Nikos K Karamanos

List of Publications by Year in descending order

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Version: 2024-02-01

306
papers

15,208
citations

28242

55
h-index

25770

108
g-index

330
all docs

330
docs citations

330
times ranked

17426
citing authors

#	ARTICLE	IF	CITATIONS
1	Extracellular matrix structure. <i>Advanced Drug Delivery Reviews</i> , 2016, 97, 4-27.	6.6	1,581
2	Roles of matrix metalloproteinases in cancer progression and their pharmacological targeting. <i>FEBS Journal</i> , 2011, 278, 16-27.	2.2	1,305
3	Glycosaminoglycans: key players in cancer cell biology and treatment. <i>FEBS Journal</i> , 2012, 279, 1177-1197.	2.2	447
4	Hyaluronanâ€“CD44 interactions as potential targets for cancer therapy. <i>FEBS Journal</i> , 2011, 278, 1429-1443.	2.2	403
5	Proteoglycans in health and disease: novel roles for proteoglycans in malignancy and their pharmacological targeting. <i>FEBS Journal</i> , 2010, 277, 3904-3923.	2.2	348
6	A guide to the composition and functions of the extracellular matrix. <i>FEBS Journal</i> , 2021, 288, 6850-6912.	2.2	320
7	The extracellular matrix as a multitasking player in disease. <i>FEBS Journal</i> , 2019, 286, 2830-2869.	2.2	285
8	Hyaluronan: molecular sizeâ€“dependent signaling and biological functions in inflammation and cancer. <i>FEBS Journal</i> , 2019, 286, 2883-2908.	2.2	266
9	Proteoglycan Chemical Diversity Drives Multifunctional Cell Regulation and Therapeutics. <i>Chemical Reviews</i> , 2018, 118, 9152-9232.	23.0	253
10	Derivatization of carbohydrates for chromatographic, electrophoretic and mass spectrometric structure analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 793, 15-36.	1.2	223
11	Syndecans â€“ key regulators of cell signaling and biological functions. <i>FEBS Journal</i> , 2017, 284, 27-41.	2.2	217
12	Matrix modeling and remodeling: A biological interplay regulating tissue homeostasis and diseases. <i>Matrix Biology</i> , 2019, 75-76, 1-11.	1.5	184
13	Inhaled chemotherapy in lung cancer: future concept of nanomedicine. <i>International Journal of Nanomedicine</i> , 2012, 7, 1551.	3.3	160
14	Roles and targeting of the HAS/hyaluronan/CD44 molecular system in cancer. <i>Matrix Biology</i> , 2017, 59, 3-22.	1.5	156
15	Proteoglycans remodeling in cancer: Underlying molecular mechanisms. <i>Matrix Biology</i> , 2019, 75-76, 220-259.	1.5	149
16	Recent Advances in the Structural Study of Functional Chondroitin Sulfate and Dermatan Sulfate in Health and Disease. <i>Connective Tissue Research</i> , 2008, 49, 133-139.	1.1	146
17	Estrogen receptor alpha mediates epithelial to mesenchymal transition, expression of specific matrix effectors and functional properties of breast cancer cells. <i>Matrix Biology</i> , 2015, 43, 42-60.	1.5	140
18	Determination of 24 Various Sulfated Galactosaminoglycan- and Hyaluronan-Derived Disaccharides by High-Performance Liquid Chromatography. <i>Analytical Biochemistry</i> , 1994, 221, 189-199.	1.1	135

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19	The Biology of Small Leucine-rich Proteoglycans in Bone Pathophysiology. <i>Journal of Biological Chemistry</i> , 2012, 287, 33926-33933.	1.6	130
20	The impact of zoledronic acid therapy in survival of lung cancer patients with bone metastasis. <i>International Journal of Cancer</i> , 2009, 125, 1705-1709.	2.3	122
21	Serglycin: At the Crossroad of Inflammation and Malignancy. <i>Frontiers in Oncology</i> , 2014, 3, 327.	1.3	119
22	Lumican, a small leucine-rich proteoglycan. <i>IUBMB Life</i> , 2008, 60, 818-823.	1.5	117
23	Ion-pair high-performance liquid chromatography for determining disaccharide composition in heparin and heparan sulphate. <i>Journal of Chromatography A</i> , 1997, 765, 169-179.	1.8	108
24	Role of Receptor for Hyaluronic Acid-mediated Motility (RHAMM) in Low Molecular Weight Hyaluronan (LMWHA)-mediated Fibrosarcoma Cell Adhesion. <i>Journal of Biological Chemistry</i> , 2011, 286, 38509-38520.	1.6	107
25	Inhibition of breast cancer cell proliferation by style constituents of different <i>Crocus</i> species. <i>Anticancer Research</i> , 2007, 27, 357-62.	0.5	102
26	Determination of hyaluronan and galactosaminoglycan disaccharides by high-performance capillary electrophoresis at the attomole level. Applications to analyses of tissue and cell culture proteoglycans. <i>Journal of Chromatography A</i> , 1995, 696, 295-305.	1.8	96
27	Insights into the key roles of proteoglycans in breast cancer biology and translational medicine. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2015, 1855, 276-300.	3.3	96
28	Lumican affects tumor cell functions, tumor-ECM interactions, angiogenesis and inflammatory response. <i>Matrix Biology</i> , 2014, 35, 206-214.	1.5	92
29	Hyaluronan-CD44 axis orchestrates cancer stem cell functions. <i>Cellular Signalling</i> , 2019, 63, 109377.	1.7	91
30	Determination of twelve heparin- and heparan sulfate-derived disaccharides as 2-aminoacridone derivatives by capillary zone electrophoresis using ultraviolet and laser-induced fluorescence detection. <i>Electrophoresis</i> , 2002, 23, 1104-1109.	1.3	89
31	Crocetin Inhibits Invasiveness of MDA-MB-231 Breast Cancer Cells via Downregulation of Matrix Metalloproteinases. <i>Planta Medica</i> , 2011, 77, 146-151.	0.7	83
32	Cross-talk between estradiol receptor and EGFR/IGF-IR signaling pathways in estrogen-responsive breast cancers: Focus on the role and impact of proteoglycans. <i>Matrix Biology</i> , 2014, 35, 182-193.	1.5	82
33	The Complex Interplay Between Extracellular Matrix and Cells in Tissues. <i>Methods in Molecular Biology</i> , 2019, 1952, 1-20.	0.4	82
34	Serglycin Constitutively Secreted by Myeloma Plasma Cells Is a Potent Inhibitor of Bone Mineralization in Vitro. <i>Journal of Biological Chemistry</i> , 2006, 281, 35116-35128.	1.6	81
35	Management of malignant pleural effusion by suicide gene therapy in advanced stage lung cancer: a case series and literature review. <i>Cancer Gene Therapy</i> , 2012, 19, 593-600.	2.2	81
36	Feasibility and effectiveness of inhaled carboplatin in NSCLC patients. <i>Investigational New Drugs</i> , 2012, 30, 1628-1640.	1.2	81

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37	Cell-matrix interactions: focus on proteoglycan-proteinase interplay and pharmacological targeting in cancer. <i>FEBS Journal</i> , 2014, 281, 5023-5042.	2.2	80
38	Extracellular matrix alterations in senescent cells and their significance in tissue homeostasis. <i>Matrix Biology</i> , 2019, 75-76, 27-42.	1.5	80
39	Determination of iduronic acid and glucuronic acid in glycosaminoglycans after stoichiometric reduction and depolymerization using high-performance liquid chromatography and ultraviolet detection. <i>Analytical Biochemistry</i> , 1988, 172, 410-419.	1.1	76
40	Syndecans as Modulators and Potential Pharmacological Targets in Cancer Progression. <i>Frontiers in Oncology</i> , 2014, 4, 4.	1.3	76
41	Lumican expression is positively correlated with the differentiation and negatively with the growth of human osteosarcoma cells. <i>FEBS Journal</i> , 2008, 275, 350-361.	2.2	75
42	High performance capillary electrophoresis method to characterize heparin and heparan sulfate disaccharides. <i>Electrophoresis</i> , 1996, 17, 391-395.	1.3	74
43	Lumican regulates osteosarcoma cell adhesion by modulating TGF β 2 activity. <i>International Journal of Biochemistry and Cell Biology</i> , 2011, 43, 928-935.	1.2	70
44	Shed proteoglycans in tumor stroma. <i>Cell and Tissue Research</i> , 2016, 365, 643-655.	1.5	70
45	Serpin is Implicated in the Promotion of Aggressive Phenotype of Breast Cancer Cells. <i>PLoS ONE</i> , 2013, 8, e78157.	1.1	67
46	Expression of matrix macromolecules and functional properties of breast cancer cells are modulated by the bisphosphonate zoledronic acid. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012, 1820, 1926-1939.	1.1	66
47	Estrogen receptor beta modulates breast cancer cells functional properties, signaling and expression of matrix molecules. <i>Matrix Biology</i> , 2016, 56, 4-23.	1.5	66
48	Extracellular matrix-based cancer targeting. <i>Trends in Molecular Medicine</i> , 2021, 27, 1000-1013.	3.5	66
49	The biological role of chondroitin sulfate in cancer and chondroitin-based anticancer agents. <i>In Vivo</i> , 2008, 22, 385-9.	0.6	66
50	Differentiation of Mesothelioma Cells Is Influenced by the Expression of Proteoglycans. <i>Experimental Cell Research</i> , 2000, 258, 12-22.	1.2	65
51	Estradiol-estrogen receptor: A key interplay of the expression of syndecan-2 and metalloproteinase-9 in breast cancer cells. <i>Molecular Oncology</i> , 2008, 2, 223-232.	2.1	65
52	Identity of Dermatan and Chondroitin Sequences in Dermatan Sulfate Chains Determined by Using Fragmentation with Chondroitinases and Ion-Pair High-Performance Liquid Chromatography. <i>Analytical Biochemistry</i> , 1995, 225, 220-230.	1.1	64
53	Ultrasensitive capillary electrophoresis of sulfated disaccharides in chondroitin/dermatan sulfates by laser-induced fluorescence after derivatization with 2-aminoacridone. <i>Biomedical Applications</i> , 1999, 730, 129-133.	1.7	62
54	Letrozole as a potent inhibitor of cell proliferation and expression of metalloproteinases (MMP-2 and Tj ETQq0 0 0,rgBT /Overlock 10 Tf	2.3	62

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55	Tumor-suppressive functions of 4-MU on breast cancer cells of different ER status: Regulation of hyaluronan/HAS2/CD44 and specific matrix effectors. <i>Matrix Biology</i> , 2019, 78-79, 118-138.	1.5	61
56	Chondroitin Sulfate as a Key Molecule in the Development of Atherosclerosis and Cancer Progression. <i>Advances in Pharmacology</i> , 2006, 53, 281-295.	1.2	60
57	Capillary electrophoresis for the quality control of chondroitin sulfates in raw materials and formulations. <i>Analytical Biochemistry</i> , 2008, 374, 213-220.	1.1	58
58	Fibroblast growth factor-2 modulates melanoma adhesion and migration through a syndecan-4-dependent mechanism. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 1323-1331.	1.2	57
59	Key Matrix Remodeling Enzymes: Functions and Targeting in Cancer. <i>Cancers</i> , 2021, 13, 1441.	1.7	55
60	Structure of Chondroitin Sulfate. <i>Advances in Pharmacology</i> , 2006, 53, 33-48.	1.2	54
61	Transforming Growth Factor- β 2 as a key molecule triggering the expression of versican isoforms v0 and v1, Hyaluronan Synthase-2 and synthesis of Hyaluronan in Malignant Osteosarcoma cells. <i>IUBMB Life</i> , 2006, 58, 47-53.	1.5	54
62	Ionizing radiation-mediated premature senescence and paracrine interactions with cancer cells enhance the expression of syndecan 1 in human breast stromal fibroblasts: the role of TGF- β 2. <i>Aging</i> , 2016, 8, 1650-1669.	1.4	54
63	Human abdominal aortic aneurysm is closely associated with compositional and specific structural modifications at the glycosaminoglycan level. <i>Atherosclerosis</i> , 1999, 145, 359-368.	0.4	53
64	The Importance of c-Kit and PDGF Receptors as Potential Targets for Molecular Therapy in Breast Cancer. <i>Current Medicinal Chemistry</i> , 2007, 14, 735-743.	1.2	53
65	Chondroitin sulfate and heparan sulfate-containing proteoglycans are both partners and targets of basic fibroblast growth factor-mediated proliferation in human metastatic melanoma cell lines. <i>International Journal of Biochemistry and Cell Biology</i> , 2008, 40, 72-83.	1.2	53
66	Serglycin promotes breast cancer cell aggressiveness: Induction of epithelial to mesenchymal transition, proteolytic activity and IL-8 signaling. <i>Matrix Biology</i> , 2018, 74, 35-51.	1.5	53
67	Human abdominal aortic aneurysm is characterized by decreased versican concentration and specific downregulation of versican isoform v0. <i>Atherosclerosis</i> , 2001, 154, 367-376.	0.4	52
68	Analysis of glycosaminoglycan-derived disaccharides in biologic samples by capillary electrophoresis and protocol for sequencing glycosaminoglycans. <i>Biomedical Chromatography</i> , 2002, 16, 95-102.	0.8	52
69	The Roles of Hyaluronan/RHAMM/CD44 and Their Respective Interactions along the Insidious Pathways of Fibrosarcoma Progression. <i>BioMed Research International</i> , 2013, 2013, 1-12.	0.9	52
70	Hyaluronan and Chondroitin Sulfate Proteoglycans in the Supramolecular Organization of the Mammalian Vitreous Body. <i>Connective Tissue Research</i> , 2008, 49, 124-128.	1.1	51
71	Vectors for Inhaled Gene Therapy in Lung Cancer. Application for Nano Oncology and Safety of Bio Nanotechnology. <i>International Journal of Molecular Sciences</i> , 2012, 13, 10828-10862.	1.8	51
72	Determination of N-acetyl- and N-glycolylneuraminic acids in glycoconjugates by reversed-phase high-performance liquid chromatography with ultraviolet detection. <i>Journal of Chromatography A</i> , 1990, 503, 421-429.	1.8	50

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73	Imatinib inhibits colorectal cancer cell growth and suppresses stromal-induced growth stimulation, MT1-MMP expression and pro-MMP2 activation. <i>International Journal of Cancer</i> , 2007, 121, 2808-2814.	2.3	49
74	Compositional and structural alterations of chondroitin and dermatan sulfates during the progression of atherosclerosis and aneurysmal dilatation of the human abdominal aorta. <i>Biochimie</i> , 2002, 84, 667-674.	1.3	48
75	Separation methods for sialic acids and critical evaluation of their biologic relevance. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002, 781, 3-19.	1.2	48
76	Evaluation of the coordinated actions of estrogen receptors with epidermal growth factor receptor and insulin-like growth factor receptor in the expression of cell surface heparan sulfate proteoglycans and cell motility in breast cancer cells. <i>FEBS Journal</i> , 2013, 280, 2248-2259.	2.2	47
77	Insights into the key roles of epigenetics in matrix macromolecules-associated wound healing. <i>Advanced Drug Delivery Reviews</i> , 2018, 129, 16-36.	6.6	47
78	A survey of methodological challenges for glycosaminoglycan/proteoglycan analysis and structural characterization by capillary electrophoresis. <i>Electrophoresis</i> , 1998, 19, 2561-2571.	1.3	46
79	Imatinib as a key inhibitor of the platelet-derived growth factor receptor mediated expression of cell surface heparan sulfate proteoglycans and functional properties of breast cancer cells. <i>FEBS Journal</i> , 2013, 280, 2477-2489.	2.2	46
80	Analysis of neutral sugars as dinitrophenyl-hydrazones by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1987, 405, 221-228.	1.8	45
81	Determination and biological relevance of serum cross-linked type I collagen N-telopeptide and bone-specific alkaline phosphatase in breast metastatic cancer. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 34, 827-832.	1.4	45
82	Metabolism and biochemical/physiological roles of chondroitin sulfates: analysis of endogenous and supplemental chondroitin sulfates in blood circulation. <i>Biomedical Chromatography</i> , 2006, 20, 539-550.	0.8	45
83	Proteoglycans in health and disease: emerging concepts and future directions. <i>FEBS Journal</i> , 2010, 277, 3863-3863.	2.2	45
84	Cell-surface serglycin promotes adhesion of myeloma cells to collagen type I and affects the expression of matrix metalloproteinases. <i>FEBS Journal</i> , 2013, 280, 2342-2352.	2.2	45
85	The apparent competitive action of ECM proteases and cross-linking enzymes during fibrosis: Applications to drug discovery. <i>Advanced Drug Delivery Reviews</i> , 2018, 129, 4-15.	6.6	45
86	Advances in analysis of glycosaminoglycans: its application for the assessment of physiological and pathological states of connective tissues. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002, 781, 21-38.	1.2	44
87	Versican but not decorin accumulation is related to malignancy in mammographically detected high density and malignant-appearing microcalcifications in non-palpable breast carcinomas. <i>BMC Cancer</i> , 2011, 11, 314.	1.1	44
88	Decorin-Induced Growth Inhibition Is Overcome through Protracted Expression and Activation of Epidermal Growth Factor Receptors in Osteosarcoma Cells. <i>Molecular Cancer Research</i> , 2008, 6, 785-794.	1.5	43
89	Estrogen receptor beta as epigenetic mediator of miR-10b and miR-145 in mammary cancer. <i>Matrix Biology</i> , 2017, 64, 94-111.	1.5	43
90	PDGF/PDGFR Signaling and Targeting in Cancer Growth and Progression: Focus on Tumor Microenvironment and Cancer-associated Fibroblasts. <i>Current Pharmaceutical Design</i> , 2014, 20, 2843-2848.	0.9	42

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91	Proteoglycans in human malignant mesothelioma. Stimulation of their synthesis induced by epidermal, insulin and platelet-derived growth factors involves receptors with tyrosine kinase activity. <i>Biochimie</i> , 1999, 81, 733-744.	1.3	41
92	Effects of the Natural Isoflavonoid Genistein on Growth, Signaling Pathways and Gene Expression of Matrix Macromolecules by Breast Cancer Cells. <i>Mini-Reviews in Medicinal Chemistry</i> , 2006, 6, 331-337.	1.1	41
93	Effect of Lumican on the Migration of Human Mesenchymal Stem Cells and Endothelial Progenitor Cells: Involvement of Matrix Metalloproteinase-14. <i>PLoS ONE</i> , 2012, 7, e50709.	1.1	41
94	Insight into the role of chondroitin sulfate E in angiogenesis. <i>FEBS Journal</i> , 2019, 286, 2921-2936.	2.2	40
95	Expression of TNF- α , IL-1 β , and IFN- γ in Staphylococcus epidermidis slime-positive experimental endophthalmitis is closely related to clinical inflammatory scores. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2006, 244, 1322-1328.	1.0	38
96	Advances in targeting epidermal growth factor receptor signaling pathway in mammary cancer. <i>Cellular Signalling</i> , 2018, 51, 99-109.	1.7	38
97	Chondroitin proteoglycans from squid skin. Isolation, characterization and immunological studies. <i>FEBS Journal</i> , 1990, 192, 33-38.	0.2	37
98	Variations in content and structure of glycosaminoglycans of the vitreous gel from different mammalian species. <i>Biomedical Chromatography</i> , 2004, 18, 457-461.	0.8	37
99	Lumican, a small leucine-rich proteoglycan substituted with keratan sulfate chains is expressed and secreted by human melanoma cells and not normal melanocytes. <i>IUBMB Life</i> , 2006, 58, 606-610.	1.5	37
100	Efficacy versus safety concerns for aerosol chemotherapy in non-small-cell lung cancer: a future dilemma for micro-oncology. <i>Future Oncology</i> , 2013, 9, 505-525.	1.1	37
101	Versican but not decorin accumulation is related to metastatic potential and neovascularization in testicular germ cell tumours. <i>Histopathology</i> , 2006, 49, 582-593.	1.6	36
102	Glycosaminoglycans as Key Molecules in Atherosclerosis: The Role of Versican and Hyaluronan. <i>Current Medicinal Chemistry</i> , 2012, 17, 4018-4026.	1.2	36
103	Identification of oligomeric domains within dermatan sulfate chains using differential enzymic treatments, derivatization with 2-aminoacridone and capillary electrophoresis. <i>Electrophoresis</i> , 2001, 22, 2458-2463.	1.3	35
104	Epigenetic Alterations in Triple-Negative Breast Cancer—The Critical Role of Extracellular Matrix. <i>Cancers</i> , 2021, 13, 713.	1.7	35
105	Isolation and Characterization of a Novel 20-kDa Sulfated Polysaccharide from the Extracellular Slime Layer of Staphylococcus epidermidis. <i>Archives of Biochemistry and Biophysics</i> , 1994, 308, 432-438.	1.4	34
106	Decreased biglycan expression and differential decorin localization in human abdominal aortic aneurysms. <i>Atherosclerosis</i> , 2002, 165, 221-230.	0.4	34
107	Estrogen receptor-mediated targeting of the extracellular matrix network in cancer. <i>Seminars in Cancer Biology</i> , 2020, 62, 116-124.	4.3	34
108	Large matrix proteoglycans, versican and perlecan, are expressed and secreted by human leukemic monocytes. <i>Anticancer Research</i> , 2003, 23, 3303-9.	0.5	34

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109	Effects of glycosaminoglycans on proliferation of epithelial and fibroblast human malignant mesothelioma cells: a structure-function relationship. <i>Cell Proliferation</i> , 1999, 32, 85-99.	2.4	33
110	Increased aqueous humor basic fibroblast growth factor and hyaluronan levels in relation to the exfoliation syndrome and exfoliative glaucoma. <i>Acta Ophthalmologica</i> , 2001, 79, 572-575.	0.4	33
111	Low molecular weight heparin inhibits melanoma cell adhesion and migration through a PKCa/JNK signaling pathway inducing actin cytoskeleton changes. <i>Cancer Letters</i> , 2011, 312, 235-244.	3.2	33
112	Inhaled chemotherapy in lung cancer: safety concerns of nanocomplexes delivered. <i>Therapeutic Delivery</i> , 2012, 3, 1021-1023.	1.2	33
113	Advances and Advantages of Nanomedicine in the Pharmacological Targeting of Hyaluronan-CD44 Interactions and Signaling in Cancer. <i>Advances in Cancer Research</i> , 2014, 123, 277-317.	1.9	33
114	Dynamic Interplay between miRNAs and the Extracellular Matrix Influences the Tumor Microenvironment. <i>Trends in Biochemical Sciences</i> , 2019, 44, 1076-1088.	3.7	33
115	Identity of macromolecules present in the extracellular slime layer of <i>Staphylococcus epidermidis</i> . <i>Biochimie</i> , 1995, 77, 217-224.	1.3	32
116	Effects on Glycosaminoglycan Synthesis in Cultured Human Mesothelioma Cells of Transforming, Epidermal, and Fibroblast Growth Factors and Their Combinations with Platelet-Derived Growth Factor. <i>Experimental Cell Research</i> , 1995, 220, 130-137.	1.2	32
117	The Major 20-kDa Polysaccharide of <i>Staphylococcus epidermidis</i> Extracellular Slime and Its Antibodies as Powerful Agents for Detecting Antibodies in Blood Serum and Differentiating among Slime-Positive and -Negative <i>S. epidermidis</i> and other <i>Staphylococci</i> Species. <i>Archives of Biochemistry and Biophysics</i> , 1997, 342, 389-395.	1.4	32
118	High-performance capillary electrophoretic analysis of hyaluronan in effusions from human malignant mesothelioma. <i>Biomedical Applications</i> , 1997, 697, 277-281.	1.7	32
119	Imatinib Mesylate Inhibits Proliferation and Exerts an Antifibrotic Effect in Human Breast Stroma Fibroblasts. <i>Molecular Cancer Research</i> , 2008, 6, 706-714.	1.5	32
120	Glycosaminoglycans: from "cellular glue" to novel therapeutical agents. <i>Current Opinion in Pharmacology</i> , 2012, 12, 220-222.	1.7	32
121	Heparan sulfate proteoglycans and heparin regulate melanoma cell functions. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 2471-2481.	1.1	32
122	Capillary electrophoresis: a tool for studying interactions of glycans/proteoglycans with growth factors. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003, 32, 823-828.	1.4	31
123	An extracellular <i>Staphylococcus epidermidis</i> polysaccharide: relation to Polysaccharide Intercellular Adhesin and its implication in phagocytosis. <i>BMC Microbiology</i> , 2012, 12, 76.	1.3	31
124	Molecular size-dependent specificity of hyaluronan on functional properties, morphology and matrix composition of mammary cancer cells. <i>Matrix Biology Plus</i> , 2019, 3, 100008.	1.9	31
125	The effects of genistein on the synthesis and distribution of glycosaminoglycans/proteoglycans by two osteosarcoma cell lines depends on tyrosine kinase and the estrogen receptor density. <i>Anticancer Research</i> , 2003, 23, 459-64.	0.5	31
126	Pig vitreous gel: macromolecular composition with particular reference to hyaluronan-binding proteoglycans. <i>Biochimie</i> , 2002, 84, 295-302.	1.3	30

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127	Syndecanâ€2 is a key regulator of transforming growth factor beta 2/smad2â€mediated adhesion in fibrosarcoma cells. IUBMB Life, 2013, 65, 134-143.	1.5	30
128	New insights into the pathobiology of <scp>D</scp>own syndrome â€“ hyaluronan synthaseâ€2 overexpression is regulated by collagen <scp>VI </scp><i>1</i></i>2 chain. FEBS Journal, 2013, 280, 2418-2430.	2.2	30
129	Chondroitin sulfate A chains enhance platelet derived growth factor-mediated signalling in fibrosarcoma cells. International Journal of Biochemistry and Cell Biology, 2006, 38, 2141-2150.	1.2	29
130	Wild blueberry (Vaccinium angustifolium) consumption affects the composition and structure of glycosaminoglycans in Sprague-Dawley rat aortaâ†. Journal of Nutritional Biochemistry, 2006, 17, 109-116.	1.9	29
131	IGF-IR cooperates with ERâ† to inhibit breast cancer cell aggressiveness by regulating the expression and localisation of ECM molecules. Scientific Reports, 2017, 7, 40138.	1.6	29
132	Long filopodia and tunneling nanotubes define new phenotypes of breast cancer cells in 3D cultures. Matrix Biology Plus, 2020, 6-7, 100026.	1.9	29
133	Synthesis and study of the electrophoretic behavior of mannan conjugates with cyclic peptide analogue of myelin basic protein using lysine-glycine linker. Analytical Biochemistry, 2005, 347, 121-128.	1.1	28
134	bFGF induces changes in hyaluronan synthase and hyaluronidase isoform expression and modulates the migration capacity of fibrosarcoma cells. Biochimica Et Biophysica Acta - General Subjects, 2009, 1790, 1258-1265.	1.1	28
135	Heparan sulfate: biological significance, tools for biochemical analysis and structural characterization. Biomedical Chromatography, 2011, 25, 11-20.	0.8	28
136	Insights into Targeting Colon Cancer Cell Fate at the Level of Proteoglycans / Glycosaminoglycans. Current Medicinal Chemistry, 2012, 19, 4247-4258.	1.2	28
137	Tumorigenic functions of serglycin: Regulatory roles in epithelial to mesenchymal transition and oncogenic signaling. Seminars in Cancer Biology, 2020, 62, 108-115.	4.3	28
138	Development of an hplc method for determining the alpha2-adrenergic receptor agonist brimonidine in blood serum and aqueous humor of the eye. , 1999, 13, 86-88.		27
139	Monitoring of two intravenous immunoglobulin preparations for immunoglobulin G subclasses and specific antibodies to bacterial surface antigens and relation with their levels in treated immunodeficient patients. Journal of Pharmaceutical and Biomedical Analysis, 2000, 22, 1029-1036.	1.4	27
140	Clara cell secretory protein: determination of serum levels by an enzyme immunoassay and its importance as an indicator of bronchial asthma in children. Journal of Pharmaceutical and Biomedical Analysis, 2004, 34, 823-826.	1.4	27
141	Regulation of hyaluronan and versican deposition by growth factors in fibrosarcoma cell lines. Biochimica Et Biophysica Acta - General Subjects, 2008, 1780, 194-202.	1.1	27
142	Tear analysis of ascorbic acid, uric acid and malondialdehyde with capillary electrophoresis. Biomedical Chromatography, 2010, 24, 852-857.	0.8	27
143	Profiling of the eye aqueous humor in exfoliation syndrome by high-performance liquid chromatographic analysis of hyaluronan and galactosaminoglycans. Biomedical Applications, 1998, 709, 173-178.	1.7	26
144	Isolation and characterization of matrix proteoglycans from human nasal cartilage. Biochimica Et Biophysica Acta - General Subjects, 2002, 1569, 117-126.	1.1	26

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145	Diagnostic value of bone remodeling markers in the diagnosis of bone metastases in patients with breast cancer. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 37, 171-176.	1.4	26
146	Evaluation of modal damping factor as a diagnostic tool for osteoporosis and its relation with serum osteocalcin and collagen I N-telopeptide for monitoring the efficacy of alendronate in ovariectomized rats. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 41, 891-897.	1.4	26
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