

Nikos K Karamanos

List of Publications by Citations

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296
papers

11,714
citations

52
h-index

93
g-index

330
ext. papers

13,542
ext. citations

4.7
avg, IF

6.67
L-index

#	Paper	IF	Citations
296	Roles of matrix metalloproteinases in cancer progression and their pharmacological targeting. <i>FEBS Journal</i> , 2011 , 278, 16-27	5.7	1066
295	Extracellular matrix structure. <i>Advanced Drug Delivery Reviews</i> , 2016 , 97, 4-27	18.5	913
294	Glycosaminoglycans: key players in cancer cell biology and treatment. <i>FEBS Journal</i> , 2012 , 279, 1177-97	5.7	355
293	Hyaluronan-CD44 interactions as potential targets for cancer therapy. <i>FEBS Journal</i> , 2011 , 278, 1429-43	5.7	340
292	Proteoglycans in health and disease: novel roles for proteoglycans in malignancy and their pharmacological targeting. <i>FEBS Journal</i> , 2010 , 277, 3904-23	5.7	295
291	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	3.2	205
290	Proteoglycan Chemical Diversity Drives Multifunctional Cell Regulation and Therapeutics. <i>Chemical Reviews</i> , 2018 , 118, 9152-9232	68.1	176
289	Syndecans - key regulators of cell signaling and biological functions. <i>FEBS Journal</i> , 2017 , 284, 27-41	5.7	143
288	The extracellular matrix as a multitasking player in disease. <i>FEBS Journal</i> , 2019 , 286, 2830-2869	5.7	141
287	Inhaled chemotherapy in lung cancer: future concept of nanomedicine. <i>International Journal of Nanomedicine</i> , 2012 , 7, 1551-72	7.3	133
286	Recent advances in the structural study of functional chondroitin sulfate and dermatan sulfate in health and disease. <i>Connective Tissue Research</i> , 2008 , 49, 133-9	3.3	128
285	Determination of 24 variously sulfated galactosaminoglycan- and hyaluronan-derived disaccharides by high-performance liquid chromatography. <i>Analytical Biochemistry</i> , 1994 , 221, 189-99	3.1	128
284	Matrix modeling and remodeling: A biological interplay regulating tissue homeostasis and diseases. <i>Matrix Biology</i> , 2019 , 75-76, 1-11	11.4	124
283	Hyaluronan: molecular size-dependent signaling and biological functions in inflammation and cancer. <i>FEBS Journal</i> , 2019 , 286, 2883-2908	5.7	119
282	Roles and targeting of the HAS/hyaluronan/CD44 molecular system in cancer. <i>Matrix Biology</i> , 2017 , 59, 3-22	11.4	113
281	Proteoglycans remodeling in cancer: Underlying molecular mechanisms. <i>Matrix Biology</i> , 2019 , 75-76, 220-259	11.4	112
280	The impact of zoledronic acid therapy in survival of lung cancer patients with bone metastasis. <i>International Journal of Cancer</i> , 2009 , 125, 1705-9	7.5	111

279	The biology of small leucine-rich proteoglycans in bone pathophysiology. <i>Journal of Biological Chemistry</i> , 2012 , 287, 33926-33	5.4	108
278	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	11.4	104
277	Lumican, a small leucine-rich proteoglycan. <i>IUBMB Life</i> , 2008 , 60, 818-23	4.7	98
276	Ion-pair high-performance liquid chromatography for determining disaccharide composition in heparin and heparan sulphate. <i>Journal of Chromatography A</i> , 1997 , 765, 169-79	4.5	96
275	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	4.5	92
274	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	5.4	89
273	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, 1104-9	3.6	87
272	Inhibition of breast cancer cell proliferation by style constituents of different Crocus species. <i>Anticancer Research</i> , 2007 , 27, 357-62	2.3	87
271	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	11.2	81
270	Serglycin: at the crossroad of inflammation and malignancy. <i>Frontiers in Oncology</i> , 2014 , 3, 327	5.3	81
269	Serglycin constitutively secreted by myeloma plasma cells is a potent inhibitor of bone mineralization in vitro. <i>Journal of Biological Chemistry</i> , 2006 , 281, 35116-28	5.4	75
268	Lumican affects tumor cell functions, tumor-ECM interactions, angiogenesis and inflammatory response. <i>Matrix Biology</i> , 2014 , 35, 206-14	11.4	73
267	Cell-matrix interactions: focus on proteoglycan-proteinase interplay and pharmacological targeting in cancer. <i>FEBS Journal</i> , 2014 , 281, 5023-42	5.7	71
266	High performance capillary electrophoresis method to characterize heparin and heparan sulfate disaccharides. <i>Electrophoresis</i> , 1996 , 17, 391-5	3.6	70
265	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, 410-9	3.1	70
264	Crocetin inhibits invasiveness of MDA-MB-231 breast cancer cells via downregulation of matrix metalloproteinases. <i>Planta Medica</i> , 2011 , 77, 146-51	3.1	68
263	Syndecans as modulators and potential pharmacological targets in cancer progression. <i>Frontiers in Oncology</i> , 2014 , 4, 4	5.3	66
262	Feasibility and effectiveness of inhaled carboplatin in NSCLC patients. <i>Investigational New Drugs</i> , 2012 , 30, 1628-40	4.3	66

261	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, 182-93	11.4	63
260	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	5.4	63
259	Lumican regulates osteosarcoma cell adhesion by modulating TGF β activity. <i>International Journal of Biochemistry and Cell Biology</i> , 2011 , 43, 928-35	5.6	63
258	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, 223-32	7.9	63
257	Lumican expression is positively correlated with the differentiation and negatively with the growth of human osteosarcoma cells. <i>FEBS Journal</i> , 2008 , 275, 350-61	5.7	63
256	Differentiation of mesothelioma cells is influenced by the expression of proteoglycans. <i>Experimental Cell Research</i> , 2000 , 258, 12-22	4.2	60
255	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, 220-30	3.1	60
254	The biological role of chondroitin sulfate in cancer and chondroitin-based anticancer agents. <i>In Vivo</i> , 2008 , 22, 385-9	2.3	60
253	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, 1926-39	4	59
252	Serglycin is implicated in the promotion of aggressive phenotype of breast cancer cells. <i>PLoS ONE</i> , 2013 , 8, e78157	3.7	55
251	Letrozole as a potent inhibitor of cell proliferation and expression of metalloproteinases (MMP-2 and MMP-9) by human epithelial breast cancer cells. <i>International Journal of Cancer</i> , 2003 , 104, 155-60	7.5	55
250	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, 129-33		54
249	Estrogen receptor beta modulates breast cancer cells functional properties, signaling and expression of matrix molecules. <i>Matrix Biology</i> , 2016 , 56, 4-23	11.4	54
248	Hyaluronan-CD44 axis orchestrates cancer stem cell functions. <i>Cellular Signalling</i> , 2019 , 63, 109377	4.9	52
247	Analysis of glycosaminoglycan-derived disaccharides in biologic samples by capillary electrophoresis and protocol for sequencing glycosaminoglycans. <i>Biomedical Chromatography</i> , 2002 , 16, 95-102	1.7	52
246	A guide to the composition and functions of the extracellular matrix. <i>FEBS Journal</i> , 2021 ,	5.7	52
245	Shed proteoglycans in tumor stroma. <i>Cell and Tissue Research</i> , 2016 , 365, 643-55	4.2	52
244	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, 1323-31	5.6	50

243	Capillary electrophoresis for the quality control of chondroitin sulfates in raw materials and formulations. <i>Analytical Biochemistry</i> , 2008 , 374, 213-20	3.1	50
242	Human abdominal aortic aneurysm is closely associated with compositional and specific structural modifications at the glycosaminoglycan level. <i>Atherosclerosis</i> , 1999 , 145, 359-68	3.1	50
241	The importance of c-Kit and PDGF receptors as potential targets for molecular therapy in breast cancer. <i>Current Medicinal Chemistry</i> , 2007 , 14, 735-43	4.3	49
240	Chondroitin sulfate as a key molecule in the development of atherosclerosis and cancer progression. <i>Advances in Pharmacology</i> , 2006 , 53, 281-95	5.7	49
239	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	4.5	49
238	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, 2808-14	7.5	48
237	Human abdominal aortic aneurysm is characterized by decreased versican concentration and specific downregulation of versican isoform V(0). <i>Atherosclerosis</i> , 2001 , 154, 367-76	3.1	48
236	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	5.6	46
235	Structure of chondroitin sulfate. <i>Advances in Pharmacology</i> , 2006 , 53, 33-48	5.7	46
234	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	3.2	46
233	Transforming growth factor-beta 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	4.7	45
232	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, 2342-52	5.7	44
231	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, 667-74	4.6	44
230	Analysis of neutral sugars as dinitrophenyl-hydrazones by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1987 , 405, 221-228	4.5	44
229	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, 2248-59	5.7	43
228	Hyaluronan and chondroitin sulfate proteoglycans in the supramolecular organization of the mammalian vitreous body. <i>Connective Tissue Research</i> , 2008 , 49, 124-8	3.3	43
227	The roles of hyaluronan/RHAMM/CD44 and their respective interactions along the insidious pathways of fibrosarcoma progression. <i>BioMed Research International</i> , 2013 , 2013, 929531	3	42
226	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, 10828-62	6.3	42

225	A survey of methodological challenges for glycosaminoglycan/proteoglycan analysis and structural characterization by capillary electrophoresis. <i>Electrophoresis</i> , 1998 , 19, 2561-71	3.6	42
224	Extracellular matrix alterations in senescent cells and their significance in tissue homeostasis. <i>Matrix Biology</i> , 2019 , 75-76, 27-42	11.4	42
223	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, 2477-89	5.7	41
222	Proteoglycans in health and disease: emerging concepts and future directions. <i>FEBS Journal</i> , 2010 , 277, 3863	5.7	41
221	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	11.4	41
220	Metabolism and biochemical/physiological roles of chondroitin sulfates: analysis of endogenous and supplemental chondroitin sulfates in blood circulation. <i>Biomedical Chromatography</i> , 2006 , 20, 539-50	1.7	40
219	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	4.8	39
218	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, 827-32	3.5	39
217	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	3.2	39
216	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, 733-44	4.6	39
215	The Complex Interplay Between Extracellular Matrix and Cells in Tissues. <i>Methods in Molecular Biology</i> , 2019 , 1952, 1-20	1.4	38
214	Estrogen receptor beta as epigenetic mediator of miR-10b and miR-145 in mammary cancer. <i>Matrix Biology</i> , 2017 , 64, 94-111	11.4	38
213	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, 785-94	6.6	38
212	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 . <i>Ageing</i> , 2016 , 8, 1650-69	5.6	38
211	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	11.4	38
210	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, 331-7	3.2	37
209	Variations in content and structure of glycosaminoglycans of the vitreous gel from different mammalian species. <i>Biomedical Chromatography</i> , 2004 , 18, 457-61	1.7	36
208	Versican but not decorin accumulation is related to metastatic potential and neovascularization in testicular germ cell tumours. <i>Histopathology</i> , 2006 , 49, 582-93	7.3	35

207	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, 606-10	4.7	35
206	Chondroitin proteoglycans from squid skin. Isolation, characterization and immunological studies. <i>FEBS Journal</i> , 1990 , 192, 33-8		35
205	Identification of oligomeric domains within dermatan sulfate chains using differential enzymic treatments, derivatization with 2-aminoacridone and capillary electrophoresis. <i>Electrophoresis</i> , 2001 , 22, 2458-63	3.6	34
204	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, 2843-8	3.3	34
203	Large matrix proteoglycans, versican and perlecan, are expressed and secreted by human leukemic monocytes. <i>Anticancer Research</i> , 2003 , 23, 3303-9	2.3	34
202	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	3.7	32
201	Insights into the key roles of epigenetics in matrix macromolecules-associated wound healing. <i>Advanced Drug Delivery Reviews</i> , 2018 , 129, 16-36	18.5	31
200	Decreased biglycan expression and differential decorin localization in human abdominal aortic aneurysms. <i>Atherosclerosis</i> , 2002 , 165, 221-30	3.1	31
199	Isolation and characterization of a novel 20-kDa sulfated polysaccharide from the extracellular slime layer of <i>Staphylococcus epidermidis</i> . <i>Archives of Biochemistry and Biophysics</i> , 1994 , 308, 432-8	4.1	31
198	Glycosaminoglycans as key molecules in atherosclerosis: the role of versican and hyaluronan. <i>Current Medicinal Chemistry</i> , 2010 , 17, 4018-26	4.3	30
197	High-performance capillary electrophoretic analysis of hyaluronan in effusions from human malignant mesothelioma. <i>Biomedical Applications</i> , 1997 , 697, 277-81		30
196	Capillary electrophoresis: a tool for studying interactions of glycans/proteoglycans with growth factors. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003 , 32, 823-8	3.5	30
195	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, 130-7	4.2	30
194	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	18.5	29
193	Heparan sulfate proteoglycans and heparin regulate melanoma cell functions. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014 , 1840, 2471-81	4	29
192	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, 505-25	3.6	29
191	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, 235-44	9.9	29
190	Expression of TNF-alpha, IL-1beta, and IFN-gamma in <i>Staphylococcus epidermidis</i> slime-positive experimental endophthalmitis is closely related to clinical inflammatory scores. <i>Graefers Archive for Clinical and Experimental Ophthalmology</i> , 2006 , 244, 1322-8	3.8	29

189	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	7.9	29
188	Insight into the role of chondroitin sulfate E in angiogenesis. <i>FEBS Journal</i> , 2019 , 286, 2921-2936	5.7	28
187	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	5.9	28
186	Syndecan-2 is a key regulator of transforming growth factor beta 2/Smad2-mediated adhesion in fibrosarcoma cells. <i>IUBMB Life</i> , 2013 , 65, 134-43	4.7	28
185	Glycosaminoglycans: from "cellular glue" to novel therapeutical agents. <i>Current Opinion in Pharmacology</i> , 2012 , 12, 220-2	5.1	28
184	Imatinib mesylate inhibits proliferation and exerts an antifibrotic effect in human breast stroma fibroblasts. <i>Molecular Cancer Research</i> , 2008 , 6, 706-14	6.6	28
183	Identity of macromolecules present in the extracellular slime layer of <i>Staphylococcus epidermidis</i> . <i>Biochimie</i> , 1995 , 77, 217-24	4.6	28
182	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	2.3	28
181	Dynamic Interplay between miRNAs and the Extracellular Matrix Influences the Tumor Microenvironment. <i>Trends in Biochemical Sciences</i> , 2019 , 44, 1076-1088	10.3	27
180	Insights into targeting colon cancer cell fate at the level of proteoglycans / glycosaminoglycans. <i>Current Medicinal Chemistry</i> , 2012 , 19, 4247-58	4.3	27
179	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 staphylococci species. <i>Archives of Biochemistry and Biophysics</i> , 1997 , 342, 389-95	4.1	27
178	Chondroitin sulfate A chains enhance platelet derived growth factor-mediated signalling in fibrosarcoma cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2006 , 38, 2141-50	5.6	27
177	Wild blueberry (<i>Vaccinium angustifolium</i>) consumption affects the composition and structure of glycosaminoglycans in Sprague-Dawley rat aorta. <i>Journal of Nutritional Biochemistry</i> , 2006 , 17, 109-16	6.3	27
176	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, 572-5		27
175	An extracellular <i>Staphylococcus epidermidis</i> polysaccharide: relation to Polysaccharide Intercellular Adhesin and its implication in phagocytosis. <i>BMC Microbiology</i> , 2012 , 12, 76	4.5	26
174	Pig vitreous gel: macromolecular composition with particular reference to hyaluronan-binding proteoglycans. <i>Biochimie</i> , 2002 , 84, 295-302	4.6	26
173	Advances in targeting epidermal growth factor receptor signaling pathway in mammary cancer. <i>Cellular Signalling</i> , 2018 , 51, 99-109	4.9	25
172	Profiling of the eye aqueous humor in exfoliation syndrome by high-performance liquid chromatographic analysis of hyaluronan and galactosaminoglycans. <i>Biomedical Applications</i> , 1998 , 709, 173-8		25

171	Isolation and characterization of matrix proteoglycans from human nasal cartilage. Compositional and structural comparison between normal and scoliotic tissues. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2002 , 1569, 117-26	4	25
170	Increased Expression of Serglycin in Specific Carcinomas and Aggressive Cancer Cell Lines. <i>BioMed Research International</i> , 2015 , 2015, 690721	3	24
169	Heparan sulfate: biological significance, tools for biochemical analysis and structural characterization. <i>Biomedical Chromatography</i> , 2011 , 25, 11-20	1.7	24
168	Proteoglycan synthesis induced by transforming and basic fibroblast growth factors in human malignant mesothelioma is mediated through specific receptors and the tyrosine kinase intracellular pathway. <i>Biochimie</i> , 1997 , 79, 323-32	4.6	24
167	The role of SLRP-proteoglycans in osteosarcoma pathogenesis. <i>Connective Tissue Research</i> , 2008 , 49, 235-8	3.3	24
166	Clara cell secretory protein: determination of serum levels by an enzyme immunoassay and its importance as an indicator of bronchial asthma in children. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004 , 34, 823-6	3.5	24
165	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. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2000 , 22, 1029-36	3.5	24
164	An enzyme immunoassay to determine the levels of specific antibodies toward bacterial surface antigens in human immunoglobulin preparations and blood serum. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1999 , 20, 913-20	3.5	24
163	IGF-IR cooperates with ER α to inhibit breast cancer cell aggressiveness by regulating the expression and localisation of ECM molecules. <i>Scientific Reports</i> , 2017 , 7, 40138	4.9	23
162	A comparative biochemical analysis of glycosaminoglycans and proteoglycans in human orthotopic and heterotopic bone. <i>IUBMB Life</i> , 2009 , 61, 447-52	4.7	23
161	bFGF induces changes in hyaluronan synthase and hyaluronidase isoform expression and modulates the migration capacity of fibrosarcoma cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2009 , 1790, 1258-65	4	23
160	Syntheses, antiproliferative activity and theoretical characterization of acitretin-type retinoids with changes in the lipophilic part. <i>European Journal of Medicinal Chemistry</i> , 2011 , 46, 721-37	6.8	23
159	Regulation of hyaluronan and versican deposition by growth factors in fibrosarcoma cell lines. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2008 , 1780, 194-202	4	23
158	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, 891-7	3.5	23
157	Synthesis and study of the electrophoretic behavior of mannan conjugates with cyclic peptide analogue of myelin basic protein using lysine-glycine linker. <i>Analytical Biochemistry</i> , 2005 , 347, 121-8	3.1	23
156	Expression of matrix macromolecules and functional properties of EGF-responsive colon cancer cells are inhibited by panitumumab. <i>Investigational New Drugs</i> , 2013 , 31, 516-24	4.3	22
155	Targeting epidermal growth factor receptor in solid tumors: critical evaluation of the biological importance of therapeutic monoclonal antibodies. <i>Current Medicinal Chemistry</i> , 2009 , 16, 3797-804	4.3	22
154	Tear analysis of ascorbic acid, uric acid and malondialdehyde with capillary electrophoresis. <i>Biomedical Chromatography</i> , 2010 , 24, 852-7	1.7	22

153	State-of-the-art of capillary electrophoresis with application to the area of glycoconjugates. <i>Biomedical Chromatography</i> , 1999 , 13, 501-6	1.7	22
152	Strategies for analysis and structure characterization of glycans/proteoglycans by capillary electrophoresis. Their diagnostic and biopharmaceutical importance. <i>Biomedical Chromatography</i> , 1999 , 13, 507-12	1.7	22
151	Isolation, characterization and properties of the oversulphated chondroitin sulphate proteoglycan from squid skin with peculiar glycosaminoglycan sulphation pattern. <i>FEBS Journal</i> , 1992 , 204, 553-60		22
150	Extraction and fractionation of proteoglycans from squid skin. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1988 , 966, 36-43	4	22
149	Redox N-Alkylation of Tosyl Protected Amino Acid and Peptide Esters.. <i>Acta Chemica Scandinavica</i> , 1994 , 48, 324-333		22
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