

Renato V Iozzo

List of Publications by Year in descending order

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336
papers

38,277
citations

1792

103
h-index

3476

182
g-index

340
all docs

340
docs citations

340
times ranked

34385
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	MATRIX PROTEOGLYCANS: From Molecular Design to Cellular Function. <i>Annual Review of Biochemistry</i> , 1998, 67, 609-652.	5.0	1,473
3	Targeted Disruption of Decorin Leads to Abnormal Collagen Fibril Morphology and Skin Fragility. <i>Journal of Cell Biology</i> , 1997, 136, 729-743.	2.3	1,356
4	Proteoglycan form and function: A comprehensive nomenclature of proteoglycans. <i>Matrix Biology</i> , 2015, 42, 11-55.	1.5	897
5	Proteoglycans of the extracellular environment: clues from the gene and protein side offer novel perspectives in molecular diversity and function. <i>FASEB Journal</i> , 1996, 10, 598-614.	0.2	594
6	The Biology of the Small Leucine-rich Proteoglycans. <i>Journal of Biological Chemistry</i> , 1999, 274, 18843-18846.	1.6	571
7	The Degradation of Human Endothelial Cell-derived Perlecan and Release of Bound Basic Fibroblast Growth Factor by Stromelysin, Collagenase, Plasmin, and Heparanases. <i>Journal of Biological Chemistry</i> , 1996, 271, 10079-10086.	1.6	540
8	Proteoglycans in cancer biology, tumour microenvironment and angiogenesis. <i>Journal of Cellular and Molecular Medicine</i> , 2011, 15, 1013-1031.	1.6	484
9	Mice That Lack Thrombospondin 2 Display Connective Tissue Abnormalities That Are Associated with Disordered Collagen Fibrillogenesis, an Increased Vascular Density, and a Bleeding Diathesis. <i>Journal of Cell Biology</i> , 1998, 140, 419-430.	2.3	458
10	The Family of the Small Leucine-Rich Proteoglycans: Key Regulators of Matrix Assembly and Cellular Growth. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 1997, 32, 141-174.	2.3	450
11	Basement membrane proteoglycans: from cellar to ceiling. <i>Nature Reviews Molecular Cell Biology</i> , 2005, 6, 646-656.	16.1	446
12	Biological Functions of the Small Leucine-rich Proteoglycans: From Genetics to Signal Transduction. <i>Journal of Biological Chemistry</i> , 2008, 283, 21305-21309.	1.6	443
13	Fibroblast growth factor-2. <i>International Journal of Biochemistry and Cell Biology</i> , 2000, 32, 115-120.	1.2	403
14	The nature and biology of basement membranes. <i>Matrix Biology</i> , 2017, 57-58, 1-11.	1.5	400
15	Heparan Sulfate: A Complex Polymer Charged with Biological Activity. <i>Chemical Reviews</i> , 2005, 105, 2745-2764.	23.0	362
16	Decorin regulates assembly of collagen fibrils and acquisition of biomechanical properties during tendon development. <i>Journal of Cellular Biochemistry</i> , 2006, 98, 1436-1449.	1.2	361
17	Heparan sulfate proteoglycans: heavy hitters in the angiogenesis arena. <i>Journal of Clinical Investigation</i> , 2001, 108, 349-355.	3.9	351
18	Decorin Is a Biological Ligand for the Epidermal Growth Factor Receptor. <i>Journal of Biological Chemistry</i> , 1999, 274, 4489-4492.	1.6	341

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19	The role of decorin in collagen fibrillogenesis and skin homeostasis. <i>Glycoconjugate Journal</i> , 2002, 19, 249-255.	1.4	334
20	Model Structure of Decorin and Implications for Collagen Fibrillogenesis. <i>Journal of Biological Chemistry</i> , 1996, 271, 31767-31770.	1.6	302
21	Endorepellin, a Novel Inhibitor of Angiogenesis Derived from the C Terminus of Perlecan. <i>Journal of Biological Chemistry</i> , 2003, 278, 4238-4249.	1.6	291
22	Signaling by the Matrix Proteoglycan Decorin Controls Inflammation and Cancer Through PDCC4 and MicroRNA-21. <i>Science Signaling</i> , 2011, 4, ra75.	1.6	283
23	Proteoglycan Chemical Diversity Drives Multifunctional Cell Regulation and Therapeutics. <i>Chemical Reviews</i> , 2018, 118, 9152-9232.	23.0	253
24	Decorin. <i>American Journal of Pathology</i> , 2012, 181, 380-387.	1.9	244
25	Endorepellin causes endothelial cell disassembly of actin cytoskeleton and focal adhesions through β 2 β 1 integrin. <i>Journal of Cell Biology</i> , 2004, 166, 97-109.	2.3	243
26	Proteoglycans in health and disease: novel regulatory signaling mechanisms evoked by the small leucine-rich proteoglycans. <i>FEBS Journal</i> , 2010, 277, 3864-3875.	2.2	243
27	Diverse Cell Signaling Events Modulated by Perlecan. <i>Biochemistry</i> , 2008, 47, 11174-11183.	1.2	229
28	Extracellular Matrix Proteoglycans Control the Fate of Bone Marrow Stromal Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 30481-30489.	1.6	220
29	Series Introduction: Heparan sulfate proteoglycans: intricate molecules with intriguing functions. <i>Journal of Clinical Investigation</i> , 2001, 108, 165-167.	3.9	216
30	Biological interplay between proteoglycans and their innate immune receptors in inflammation. <i>FEBS Journal</i> , 2013, 280, 2165-2179.	2.2	214
31	Absence of Decorin Adversely Influences Tubulointerstitial Fibrosis of the Obstructed Kidney by Enhanced Apoptosis and Increased Inflammatory Reaction. <i>American Journal of Pathology</i> , 2002, 160, 1181-1191.	1.9	212
32	Decorin-induced Growth Suppression Is Associated with Up-regulation of p21, an Inhibitor of Cyclin-dependent Kinases. <i>Journal of Biological Chemistry</i> , 1996, 271, 18961-18965.	1.6	209
33	Decorin is a novel antagonistic ligand of the Met receptor. <i>Journal of Cell Biology</i> , 2009, 185, 743-754.	2.3	207
34	Decorin Binds to a Narrow Region of the Epidermal Growth Factor (EGF) Receptor, Partially Overlapping but Distinct from the EGF-binding Epitope. <i>Journal of Biological Chemistry</i> , 2002, 277, 35671-35681.	1.6	203
35	Decorin suppresses tumor cell-mediated angiogenesis. <i>Oncogene</i> , 2002, 21, 4765-4777.	2.6	202
36	De novo decorin gene expression suppresses the malignant phenotype in human colon cancer cells.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 7016-7020.	3.3	200

#	ARTICLE	IF	CITATIONS
37	Sustained Down-regulation of the Epidermal Growth Factor Receptor by Decorin. <i>Journal of Biological Chemistry</i> , 2000, 275, 32879-32887.	1.6	195
38	Decorin, a Novel Player in the Insulin-like Growth Factor System. <i>Journal of Biological Chemistry</i> , 2005, 280, 15767-15772.	1.6	193
39	Genetic Evidence for the Coordinated Regulation of Collagen Fibrillogenesis in the Cornea by Decorin and Biglycan. <i>Journal of Biological Chemistry</i> , 2009, 284, 8888-8897.	1.6	192
40	Basement Membrane Proteoglycans: Modulators Par Excellence of Cancer Growth and Angiogenesis. <i>Molecules and Cells</i> , 2009, 27, 503-514.	1.0	191
41	Decorin prevents metastatic spreading of breast cancer. <i>Oncogene</i> , 2005, 24, 1104-1110.	2.6	189
42	Extracellular matrix: The driving force of mammalian diseases. <i>Matrix Biology</i> , 2018, 71-72, 1-9.	1.5	186
43	Matrix modeling and remodeling: A biological interplay regulating tissue homeostasis and diseases. <i>Matrix Biology</i> , 2019, 75-76, 1-11.	1.5	184
44	An Anti-oncogenic Role for Decorin. <i>Journal of Biological Chemistry</i> , 2000, 275, 35153-35161.	1.6	183
45	Decorin Evokes Protracted Internalization and Degradation of the Epidermal Growth Factor Receptor via Caveolar Endocytosis. <i>Journal of Biological Chemistry</i> , 2005, 280, 32468-32479.	1.6	180
46	Decorin Binds Near the C Terminus of Type I Collagen. <i>Journal of Biological Chemistry</i> , 2000, 275, 21801-21804.	1.6	179
47	Developmental expression of perlecan during murine embryogenesis. , 1997, 210, 130-145.		176
48	Effect of Altered Matrix Proteins on Quasilinear Viscoelastic Properties in Transgenic Mouse Tail Tendons. <i>Annals of Biomedical Engineering</i> , 2003, 31, 599-605.	1.3	176
49	Decorin expression is important for age-related changes in tendon structure and mechanical properties. <i>Matrix Biology</i> , 2013, 32, 3-13.	1.5	169
50	Influence of Decorin and Biglycan on Mechanical Properties of Multiple Tendons in Knockout Mice. <i>Journal of Biomechanical Engineering</i> , 2005, 127, 181-185.	0.6	167
51	Decorin causes autophagy in endothelial cells via Peg3. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E2582-91.	3.3	165
52	Decorin interacting network: A comprehensive analysis of decorin-binding partners and their versatile functions. <i>Matrix Biology</i> , 2016, 55, 7-21.	1.5	165
53	Perlecan Protein Core Interacts with Extracellular Matrix Protein 1 (ECM1), a Glycoprotein Involved in Bone Formation and Angiogenesis. <i>Journal of Biological Chemistry</i> , 2003, 278, 17491-17499.	1.6	163
54	BMP-1/Tolloid-like Metalloproteases Process Endorepellin, the Angiostatic C-terminal Fragment of Perlecan. <i>Journal of Biological Chemistry</i> , 2005, 280, 7080-7087.	1.6	159

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55	Decorin and biglycan are necessary for maintaining collagen fibril structure, fiber realignment, and mechanical properties of mature tendons. <i>Matrix Biology</i> , 2017, 64, 81-93.	1.5	159
56	Decorin Protein Core Inhibits in Vivo Cancer Growth and Metabolism by Hindering Epidermal Growth Factor Receptor Function and Triggering Apoptosis via Caspase-3 Activation. <i>Journal of Biological Chemistry</i> , 2006, 281, 26408-26418.	1.6	157
57	Large animal model of left ventricular aneurysm. <i>Annals of Thoracic Surgery</i> , 1989, 48, 838-845.	0.7	155
58	Tumor microenvironment: Modulation by decorin and related molecules harboring leucine-rich tandem motifs. <i>International Journal of Cancer</i> , 2008, 123, 2473-2479.	2.3	154
59	A current view of perlecan in physiology and pathology: A mosaic of functions. <i>Matrix Biology</i> , 2017, 57-58, 285-298.	1.5	148
60	Decorin Antagonizes the Angiogenic Network. <i>Journal of Biological Chemistry</i> , 2012, 287, 5492-5506.	1.6	146
61	A role for decorin in cutaneous wound healing and angiogenesis. <i>Wound Repair and Regeneration</i> , 2006, 14, 443-452.	1.5	142
62	Decorin's TGF β Axis in Hepatic Fibrosis and Cirrhosis. <i>Journal of Histochemistry and Cytochemistry</i> , 2012, 60, 262-268.	1.3	142
63	Small leucine-rich proteoglycans orchestrate receptor crosstalk during inflammation. <i>Cell Cycle</i> , 2012, 11, 2084-2091.	1.3	142
64	The β 6 Integrin Is Transferred Intercellularly via Exosomes. <i>Journal of Biological Chemistry</i> , 2015, 290, 4545-4551.	1.6	140
65	Perlecan: A gem of a proteoglycan. <i>Matrix Biology</i> , 1994, 14, 203-208.	1.5	138
66	Proepithelin Promotes Migration and Invasion of 5637 Bladder Cancer Cells through the Activation of ERK1/2 and the Formation of a Paxillin/FAK/ERK Complex. <i>Cancer Research</i> , 2006, 66, 7103-7110.	0.4	136
67	An Antimetastatic Role for Decorin in Breast Cancer. <i>American Journal of Pathology</i> , 2008, 173, 844-855.	1.9	136
68	The glycosaminoglycan chain of decorin plays an important role in collagen fibril formation at the early stages of fibrillogenesis. <i>FEBS Journal</i> , 2007, 274, 4246-4255.	2.2	133
69	The Protein Core of the Proteoglycan Perlecan Binds Specifically to Fibroblast Growth Factor-7. <i>Journal of Biological Chemistry</i> , 2000, 275, 7095-7100.	1.6	130
70	The Biology of Small Leucine-rich Proteoglycans in Bone Pathophysiology. <i>Journal of Biological Chemistry</i> , 2012, 287, 33926-33933.	1.6	130
71	FOXD1 promotes nephron progenitor differentiation by repressing decorin in the embryonic kidney. <i>Development (Cambridge)</i> , 2014, 141, 17-27.	1.2	130
72	Suppression of tumorigenicity by adenovirus-mediated gene transfer of decorin. <i>Oncogene</i> , 2002, 21, 3688-3695.	2.6	129

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73	Angiogenesis in Collagen I Requires β 2 β 1 Ligation of a GFP*GER Sequence and Possibly p38 MAPK Activation and Focal Adhesion Disassembly. <i>Journal of Biological Chemistry</i> , 2003, 278, 30516-30524.	1.6	129
74	Proteoglycan neofunctions: regulation of inflammation and autophagy in cancer biology. <i>FEBS Journal</i> , 2017, 284, 10-26.	2.2	129
75	Perlecan is required to inhibit thrombosis after deep vascular injury and contributes to endothelial cell-mediated inhibition of intimal hyperplasia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 6722-6727.	3.3	128
76	Transcriptional Regulation of Decorin Gene Expression. <i>Journal of Biological Chemistry</i> , 1995, 270, 11692-11700.	1.6	127
77	Human perlecan immunopurified from different endothelial cell sources has different adhesive properties for vascular cells. <i>Matrix Biology</i> , 1999, 18, 163-178.	1.5	127
78	Decorin Antagonizes IGF Receptor I (IGF-IR) Function by Interfering with IGF-IR Activity and Attenuating Downstream Signaling. <i>Journal of Biological Chemistry</i> , 2011, 286, 34712-34721.	1.6	127
79	Structural characterization of the complete human perlecan gene and its promoter.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 10404-10408.	3.3	126
80	Cooperative action of germ-line mutations in decorin and p53 accelerates lymphoma tumorigenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 3092-3097.	3.3	126
81	TLS/FUS, a pro-oncogene involved in multiple chromosomal translocations, is a novel regulator of BCR/ABL-mediated leukemogenesis. <i>EMBO Journal</i> , 1998, 17, 4442-4455.	3.5	124
82	Resistance to Lyme disease in decorin-deficient mice. <i>Journal of Clinical Investigation</i> , 2001, 107, 845-852.	3.9	124
83	Caveolin-1 and mitochondrial SOD2 (MnSOD) function as tumor suppressors in the stromal microenvironment. <i>Cancer Biology and Therapy</i> , 2011, 11, 383-394.	1.5	122
84	Decorin Activates the Epidermal Growth Factor Receptor and Elevates Cytosolic Ca ²⁺ in A431 Carcinoma Cells. <i>Journal of Biological Chemistry</i> , 1998, 273, 3121-3124.	1.6	120
85	Genetic deficiency of decorin causes intestinal tumor formation through disruption of intestinal cell maturation. <i>Carcinogenesis</i> , 2008, 29, 1435-1440.	1.3	120
86	A Novel Interaction between Perlecan Protein Core and Progranulin. <i>Journal of Biological Chemistry</i> , 2003, 278, 38113-38116.	1.6	119
87	Matrix revolutions: α -tails TM of basement-membrane components with angiostatic functions. <i>Trends in Cell Biology</i> , 2005, 15, 52-60.	3.6	119
88	Decorin-transforming Growth Factor- β 2 Interaction Regulates Matrix Organization and Mechanical Characteristics of Three-dimensional Collagen Matrices. <i>Journal of Biological Chemistry</i> , 2007, 282, 35887-35898.	1.6	119
89	Fibroblast Growth Factor-binding Protein Is a Novel Partner for Perlecan Protein Core. <i>Journal of Biological Chemistry</i> , 2001, 276, 10263-10271.	1.6	116
90	Protective Niche for <i>Borrelia burgdorferi</i> to Evade Humoral Immunity. <i>American Journal of Pathology</i> , 2004, 165, 977-985.	1.9	116

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91	Biglycan-triggered TLR-2- and TLR-4-signaling exacerbates the pathophysiology of ischemic acute kidney injury. <i>Matrix Biology</i> , 2014, 35, 143-151.	1.5	115
92	Perlecan regulates developmental angiogenesis by modulating the VEGF-VEGFR2 axis. <i>Matrix Biology</i> , 2009, 28, 284-291.	1.5	114
93	The Human Decorin Gene: Intron-Exon Organization, Discovery of Two Alternatively Spliced Exons in the 5' Untranslated Region, and Mapping of the Gene to Chromosome 12q23. <i>Genomics</i> , 1993, 15, 146-160.	1.3	112
94	A Role for Decorin in the Structural Organization of Periodontal Ligament. <i>Laboratory Investigation</i> , 2000, 80, 1869-1880.	1.7	112
95	Decorin Antagonizes Met Receptor Activity and Down-regulates β -Catenin and Myc Levels. <i>Journal of Biological Chemistry</i> , 2010, 285, 42075-42085.	1.6	112
96	Altered proteoglycan gene expression and the tumor stroma. <i>Experientia</i> , 1993, 49, 447-455.	1.2	111
97	Strain-Rate Sensitive Mechanical Properties of Tendon Fascicles From Mice With Genetically Engineered Alterations in Collagen and Decorin. <i>Journal of Biomechanical Engineering</i> , 2004, 126, 252-257.	0.6	111
98	EphA2 is a functional receptor for the growth factor progranulin. <i>Journal of Cell Biology</i> , 2016, 215, 687-703.	2.3	111
99	Decorin-mediated inhibition of colorectal cancer growth and migration is associated with E-cadherin in vitro and in mice. <i>Carcinogenesis</i> , 2012, 33, 326-330.	1.3	109
100	Perlecan Heparan Sulfate Proteoglycan. <i>Journal of Biological Chemistry</i> , 2000, 275, 25742-25750.	1.6	107
101	Biosynthetic and proliferative characteristics of tubulointerstitial fibroblasts probed with paracrine cytokines. <i>Kidney International</i> , 1992, 41, 14-23.	2.6	106
102	Formation of nodular structures resembling mature articular cartilage in long-term primary cultures of human fetal epiphyseal chondrocytes on a hydrogel substrate. <i>Arthritis and Rheumatism</i> , 1994, 37, 1338-1349.	6.7	106
103	Decorin Deficiency Leads to Impaired Angiogenesis in Injured Mouse Cornea. <i>Journal of Vascular Research</i> , 2004, 41, 499-508.	0.6	106
104	Endorepellin In Vivo: Targeting the Tumor Vasculature and Retarding Cancer Growth and Metabolism. <i>Journal of the National Cancer Institute</i> , 2006, 98, 1634-1646.	3.0	106
105	Structural and Functional Characterization of the Human Perlecan Gene Promoter. <i>Journal of Biological Chemistry</i> , 1997, 272, 5219-5228.	1.6	105
106	A role for decorin in the remodeling of myocardial infarction. <i>Matrix Biology</i> , 2005, 24, 313-324.	1.5	105
107	The role of vascular-derived perlecan in modulating cell adhesion, proliferation and growth factor signaling. <i>Matrix Biology</i> , 2014, 35, 112-122.	1.5	105
108	In vivo selective and distant killing of cancer cells, using adenovirus-mediated decorin gene transfer. <i>FASEB Journal</i> , 2003, 17, 1-21.	0.2	103

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109	Biologically Active Decorin Is a Monomer in Solution. <i>Journal of Biological Chemistry</i> , 2004, 279, 6606-6612.	1.6	103
110	A central function for perlecan in skeletal muscle and cardiovascular development. <i>Journal of Cell Biology</i> , 2008, 181, 381-394.	2.3	101
111	Endorepellin, the Angiostatic Module of Perlecan, Interacts with Both the $\alpha_2\beta_1$ Integrin and Vascular Endothelial Growth Factor Receptor 2 (VEGFR2). <i>Journal of Biological Chemistry</i> , 2011, 286, 25947-25962.	1.6	101
112	Decoding the Matrix: Instructive Roles of Proteoglycan Receptors. <i>Biochemistry</i> , 2015, 54, 4583-4598.	1.2	101
113	Decorin as a multivalent therapeutic agent against cancer. <i>Advanced Drug Delivery Reviews</i> , 2016, 97, 174-185.	6.6	101
114	Integrin $\alpha_2\beta_1$ Is the Required Receptor for Endorepellin Angiostatic Activity. <i>Journal of Biological Chemistry</i> , 2008, 283, 2335-2343.	1.6	100
115	Proteoglycans and neoplasia. <i>Cancer and Metastasis Reviews</i> , 1988, 7, 39-50.	2.7	99
116	Endostatin and endorepellin: A common route of action for similar angiostatic cancer avengers. <i>Advanced Drug Delivery Reviews</i> , 2016, 97, 156-173.	6.6	98
117	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
118	Instructive Roles of Extracellular Matrix on Autophagy. <i>American Journal of Pathology</i> , 2014, 184, 2146-2153.	1.9	94
119	Caspase-3 Activation Triggers Extracellular Cathepsin L Release and Endorepellin Proteolysis. <i>Journal of Biological Chemistry</i> , 2008, 283, 27220-27229.	1.6	93
120	Heparan Sulfate-Dependent Signaling of Fibroblast Growth Factor 18 by Chondrocyte-Derived Perlecan. <i>Biochemistry</i> , 2010, 49, 5524-5532.	1.2	92
121	The Insulin-Like Growth Factor Receptor I Promotes Motility and Invasion of Bladder Cancer Cells through Akt- and Mitogen-Activated Protein Kinase-Dependent Activation of Paxillin. <i>American Journal of Pathology</i> , 2010, 176, 2997-3006.	1.9	91
122	Targeting Perlecan in Human Keratinocytes Reveals Novel Roles for Perlecan in Epidermal Formation. <i>Journal of Biological Chemistry</i> , 2006, 281, 5178-5187.	1.6	87
123	Novel interactions of perlecan: Unraveling perlecan's role in angiogenesis. <i>Microscopy Research and Technique</i> , 2008, 71, 339-348.	1.2	85
124	Ablation of the decorin gene enhances experimental hepatic fibrosis and impairs hepatic healing in mice. <i>Laboratory Investigation</i> , 2011, 91, 439-451.	1.7	85
125	The canonical Wnt pathway shapes niches supportive of hematopoietic stem/progenitor cells. <i>Blood</i> , 2012, 119, 1683-1692.	0.6	85
126	De novo expression of circulating biglycan evokes an innate inflammatory tissue response via MyD88/TRIF pathways. <i>Matrix Biology</i> , 2014, 35, 132-142.	1.5	85

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127	Decorin activates AMPK, an energy sensor kinase, to induce autophagy in endothelial cells. <i>Matrix Biology</i> , 2014, 34, 46-54.	1.5	83
128	Decorin-Mediated Regulation of Fibrillin-1 in the Kidney Involves the Insulin-Like Growth Factor-I Receptor and Mammalian Target of Rapamycin. <i>American Journal of Pathology</i> , 2007, 170, 301-315.	1.9	81
129	Targeted Disruption of Two Small Leucine-rich Proteoglycans, Biglycan and Decorin, Excerpts Divergent Effects on Enamel and Dentin Formation. <i>Calcified Tissue International</i> , 2005, 77, 297-310.	1.5	80
130	Cell-matrix interactions: focus on proteoglycan-proteinase interplay and pharmacological targeting in cancer. <i>FEBS Journal</i> , 2014, 281, 5023-5042.	2.2	80
131	Small leucine-rich proteoglycans, at the crossroad of cancer growth and inflammation. <i>Current Opinion in Genetics and Development</i> , 2012, 22, 56-57.	1.5	79
132	Biglycan evokes autophagy in macrophages via a novel CD44/Toll-like receptor 4 signaling axis in ischemia/reperfusion injury. <i>Kidney International</i> , 2019, 95, 540-562.	2.6	78
133	Molecular Cloning of the Human Proto-oncogene Wnt-5A and Mapping of the Gene (WNT5A) to Chromosome 3p14-p21. <i>Genomics</i> , 1993, 18, 249-260.	1.3	77
134	Influence of Decorin on the Mechanical, Compositional, and Structural Properties of the Mouse Patellar Tendon. <i>Journal of Biomechanical Engineering</i> , 2012, 134, 031005.	0.6	77
135	Decorin Protein Core Affects the Global Gene Expression Profile of the Tumor Microenvironment in a Triple-Negative Orthotopic Breast Carcinoma Xenograft Model. <i>PLoS ONE</i> , 2012, 7, e45559.	1.1	77
136	Decorin Deficiency Enhances Progressive Nephropathy in Diabetic Mice. <i>American Journal of Pathology</i> , 2007, 171, 1441-1450.	1.9	76
137	Insulin and Insulin-like Growth Factor II Differentially Regulate Endocytic Sorting and Stability of Insulin Receptor Isoform A. <i>Journal of Biological Chemistry</i> , 2012, 287, 11422-11436.	1.6	76
138	The systemic delivery of an oncolytic adenovirus expressing decorin inhibits bone metastasis in a mouse model of human prostate cancer. <i>Gene Therapy</i> , 2015, 22, 247-256.	2.3	76
139	The Murine Biglycan: Complete cDNA Cloning, Genomic Organization, Promoter Function, and Expression. <i>Genomics</i> , 1995, 30, 8-17.	1.3	74
140	Investigating Tendon Fascicle Structure-Function Relationships in a Transgenic-Age Mouse Model Using Multiple Regression Models. <i>Annals of Biomedical Engineering</i> , 2004, 32, 924-931.	1.3	74
141	Decorin Induces Mitophagy in Breast Carcinoma Cells via Peroxisome Proliferator-activated Receptor γ 3 Coactivator-1 α (PGC-1 α) and Mitostatin. <i>Journal of Biological Chemistry</i> , 2014, 289, 4952-4968.	1.6	74
142	Src, Insulin-Like Growth Factor I Receptor, G-Protein-Coupled Receptor Kinases and Focal Adhesion Kinase are Enriched Into Prostate Cancer Cell Exosomes. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 66-73.	1.2	74
143	Endothelial Cells Provide Feedback Control for Vascular Remodeling Through a Mechanosensitive Autocrine TGF- β 2 Signaling Pathway. <i>Circulation Research</i> , 2008, 103, 289-297.	2.0	73
144	Effect of Age and Proteoglycan Deficiency on Collagen Fiber Re-Alignment and Mechanical Properties in Mouse Supraspinatus Tendon. <i>Journal of Biomechanical Engineering</i> , 2013, 135, 021019.	0.6	73

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145	Endorepellin Evokes Autophagy in Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2014, 289, 16114-16128.	1.6	73
146	The injury response of aged tendons in the absence of biglycan and decorin. <i>Matrix Biology</i> , 2014, 35, 232-238.	1.5	73
147	Prostate cancer sheds the $\alpha 3 \beta 1$ integrin in vivo through exosomes. <i>Matrix Biology</i> , 2019, 77, 41-57.	1.5	73
148	Decorin deficiency promotes hepatic carcinogenesis. <i>Matrix Biology</i> , 2014, 35, 194-205.	1.5	71
149	Dissecting the role of hyaluronan synthases in the tumor microenvironment. <i>FEBS Journal</i> , 2019, 286, 2937-2949.	2.2	70
150	A Key Role for the Integrin $\alpha 2 \beta 1$ in Experimental and Developmental Angiogenesis. <i>American Journal of Pathology</i> , 2009, 175, 1338-1347.	1.9	69
151	Endorepellin Affects Angiogenesis by Antagonizing Diverse Vascular Endothelial Growth Factor Receptor 2 (VEGFR2)-evoked Signaling Pathways. <i>Journal of Biological Chemistry</i> , 2012, 287, 43543-43556.	1.6	69
152	Soluble biglycan as a biomarker of inflammatory renal diseases. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 54, 223-235.	1.2	68
153	Decorin Regulates the Aggrecan Network Integrity and Biomechanical Functions of Cartilage Extracellular Matrix. <i>ACS Nano</i> , 2019, 13, 11320-11333.	7.3	67
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