Renato V Iozzo

List of Publications by Year
in descending order

336 papers	38,277 citations	1799 103 h-index	3487 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). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	MATRIX PROTEOGLYCANS: From Molecular Design to Cellular Function. Annual Review of Biochemistry, 1998, 67, 609-652.	11.1	1,473
3	Targeted Disruption of Decorin Leads to Abnormal Collagen Fibril Morphology and Skin Fragility. Journal of Cell Biology, 1997, 136, 729-743.	5.2	1,356
4	Proteoglycan form and function: A comprehensive nomenclature of proteoglycans. Matrix Biology, 2015, 42, 11-55.	3.6	897
5	Proteoglycans of the extracellular environment: clues from the gene and protein side offer novel perspectives in molecular diversity and function. FASEB Journal, 1996, 10, 598-614.	0.5	594
6	The Biology of the Small Leucine-rich Proteoglycans. Journal of Biological Chemistry, 1999, 274, 18843-18846.	3.4	571
7	The Degradation of Human Endothelial Cell-derived Perlecan and Release of Bound Basic Fibroblast Growth Factor by Stromelysin, Collagenase, Plasmin, and Heparanases. Journal of Biological Chemistry, 1996, 271, 10079-10086.	3.4	540
8	Proteoglycans in cancer biology, tumour microenvironment and angiogenesis. Journal of Cellular and Molecular Medicine, 2011, 15, 1013-1031.	3.6	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. Journal of Cell Biology, 1998, 140, 419-430.	5.2	458
10	The Family of the Small Leucine-Rich Proteoglycans: Key Regulators of Matrix Assembly and Cellular Growth. Critical Reviews in Biochemistry and Molecular Biology, 1997, 32, 141-174.	5.2	450
11	Basement membrane proteoglycans: from cellar to ceiling. Nature Reviews Molecular Cell Biology, 2005, 6, 646-656.	37.0	446
12	Biological Functions of the Small Leucine-rich Proteoglycans: From Genetics to Signal Transduction. Journal of Biological Chemistry, 2008, 283, 21305-21309.	3.4	443
13	Fibroblast growth factor-2. International Journal of Biochemistry and Cell Biology, 2000, 32, 115-120.	2.8	403
14	The nature and biology of basement membranes. Matrix Biology, 2017, 57-58, 1-11.	3.6	400
15	Heparan Sulfate:â€‰ A Complex Polymer Charged with Biological Activity. Chemical Reviews, 2005, 105, 2745-2764.	47.7	362
16	Decorin regulates assembly of collagen fibrils and acquisition of biomechanical properties during tendon development. Journal of Cellular Biochemistry, 2006, 98, 1436-1449.	2.6	361
17	Heparan sulfate proteoglycans: heavy hitters in the angiogenesis arena. Journal of Clinical Investigation, 2001, 108, 349-355.	8.2	351
18	Decorin Is a Biological Ligand for the Epidermal Growth Factor Receptor. Journal of Biological Chemistry, 1999, 274, 4489-4492.	3.4	341

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19	The role of decorin in collagen fibrillogenesis and skin homeostasis. Glycoconjugate Journal, 2002, 19, 249-255.	2.7	334
20	Model Structure of Decorin and Implications for Collagen Fibrillogenesis. Journal of Biological Chemistry, 1996, 271, 31767-31770.	3.4	302
21	Endorepellin, a Novel Inhibitor of Angiogenesis Derived from the C Terminus of Perlecan. Journal of Biological Chemistry, 2003, 278, 4238-4249.	3.4	291
22	Signaling by the Matrix Proteoglycan Decorin Controls Inflammation and Cancer Through PDCD4 and MicroRNA-21. Science Signaling, 2011, 4, ra75.	3.6	283
23	Proteoglycan Chemical Diversity Drives Multifunctional Cell Regulation and Therapeutics. Chemical Reviews, 2018, 118, 9152-9232.	47.7	253
24	Decorin. American Journal of Pathology, 2012, 181, 380-387.	3.8	244
25	Endorepellin causes endothelial cell disassembly of actin cytoskeleton and focal adhesions through Î±2Î²1 integrin. Journal of Cell Biology, 2004, 166, 97-109.	5.2	243
26	Proteoglycans in health and disease: novel regulatory signaling mechanisms evoked by the small leucineâ€rich proteoglycans. FEBS Journal, 2010, 277, 3864-3875.	4.7	243
27	Diverse Cell Signaling Events Modulated by Perlecan. Biochemistry, 2008, 47, 11174-11183.	2.5	229
28	Extracellular Matrix Proteoglycans Control the Fate of Bone Marrow Stromal Cells. Journal of Biological Chemistry, 2005, 280, 30481-30489.	3.4	220
29	Series Introduction: Heparan sulfate proteoglycans: intricate molecules with intriguing functions. Journal of Clinical Investigation, 2001, 108, 165-167.	8.2	216
30	Biological interplay between proteoglycans and their innate immune receptors in inflammation. FEBS Journal, 2013, 280, 2165-2179.	4.7	214
31	Absence of Decorin Adversely Influences Tubulointerstitial Fibrosis of the Obstructed Kidney by Enhanced Apoptosis and Increased Inflammatory Reaction. American Journal of Pathology, 2002, 160, 1181-1191.	3.8	212
32	Decorin-induced Growth Suppression Is Associated with Up-regulation of p21, an Inhibitor of Cyclin-dependent Kinases. Journal of Biological Chemistry, 1996, 271, 18961-18965.	3.4	209
33	Decorin is a novel antagonistic ligand of the Met receptor. Journal of Cell Biology, 2009, 185, 743-754.	5.2	207
34	Decorin Binds to a Narrow Region of the Epidermal Growth Factor (EGF) Receptor, Partially Overlapping but Distinct from the EGF-binding Epitope. Journal of Biological Chemistry, 2002, 277, 35671-35681.	3.4	203
35	Decorin suppresses tumor cell-mediated angiogenesis. Oncogene, 2002, 21, 4765-4777.	5.9	202
36	De novo decorin gene expression suppresses the malignant phenotype in human colon cancer cells.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 7016-7020.	7.1	200

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37	Sustained Down-regulation of the Epidermal Growth Factor Receptor by Decorin. Journal of Biological Chemistry, 2000, 275, 32879-32887.	3.4	195
38	Decorin, a Novel Player in the Insulin-like Growth Factor System. Journal of Biological Chemistry, 2005, 280, 15767-15772.	3.4	193
39	Genetic Evidence for the Coordinated Regulation of Collagen Fibrillogenesis in the Cornea by Decorin and Biglycan. Journal of Biological Chemistry, 2009, 284, 8888-8897.	3.4	192
40	Basement Membrane Proteoglycans: Modulators Par Excellence of Cancer Growth and Angiogenesis. Molecules and Cells, 2009, 27, 503-514.	2.6	191
41	Decorin prevents metastatic spreading of breast cancer. Oncogene, 2005, 24, 1104-1110.	5.9	189
42	Extracellular matrix: The driving force of mammalian diseases. Matrix Biology, 2018, 71-72, 1-9.	3.6	186
43	Matrix modeling and remodeling: A biological interplay regulating tissue homeostasis and diseases. Matrix Biology, 2019, 75-76, 1-11.	3.6	184
44	An Anti-oncogenic Role for Decorin. Journal of Biological Chemistry, 2000, 275, 35153-35161.	3.4	183
45	Decorin Evokes Protracted Internalization and Degradation of the Epidermal Growth Factor Receptor via Caveolar Endocytosis. Journal of Biological Chemistry, 2005, 280, 32468-32479.	3.4	180
46	Decorin Binds Near the C Terminus of Type I Collagen. Journal of Biological Chemistry, 2000, 275, 21801-21804.	3.4	179
47	Developmental expression of perlecan during murine embryogenesis. Developmental Dynamics, 1997, 210, 130-145.	1.8	176
48	Effect of Altered Matrix Proteins on Quasilinear Viscoelastic Properties in Transgenic Mouse Tail Tendons. Annals of Biomedical Engineering, 2003, 31, 599-605.	2.5	176
49	Decorin expression is important for age-related changes in tendon structure and mechanical properties. Matrix Biology, 2013, 32, 3-13.	3.6	169
50	Influence of Decorin and Biglycan on Mechanical Properties of Multiple Tendons in Knockout Mice. Journal of Biomechanical Engineering, 2005, 127, 181-185.	1.3	167
51	Decorin causes autophagy in endothelial cells via Peg3. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E2582-91.	7.1	165
52	Decorin interacting network: A comprehensive analysis of decorin-binding partners and their versatile functions. Matrix Biology, 2016, 55, 7-21.	3.6	165
53	Perlecan Protein Core Interacts with Extracellular Matrix Protein 1 (ECM1), a Glycoprotein Involved in Bone Formation and Angiogenesis. Journal of Biological Chemistry, 2003, 278, 17491-17499.	3.4	163
54	BMP-1/Tolloid-like Metalloproteases Process Endorepellin, the Angiostatic C-terminal Fragment of Perlecan. Journal of Biological Chemistry, 2005, 280, 7080-7087.	3.4	159

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55	Decorin and biglycan are necessary for maintaining collagen fibril structure, fiber realignment, and mechanical properties of mature tendons. Matrix Biology, 2017, 64, 81-93.	3.6	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. Journal of Biological Chemistry, 2006, 281, 26408-26418.	3.4	157
57	Large animal model of left ventricular aneurysm. Annals of Thoracic Surgery, 1989, 48, 838-845.	1.3	155
58	Tumor microenvironment: Modulation by decorin and related molecules harboring leucineâ€rich tandem motifs. International Journal of Cancer, 2008, 123, 2473-2479.	5.1	154
59	A current view of perlecan in physiology and pathology: A mosaic of functions. Matrix Biology, 2017, 57-58, 285-298.	3.6	148
60	Decorin Antagonizes the Angiogenic Network. Journal of Biological Chemistry, 2012, 287, 5492-5506.	3.4	146
61	A role for decorin in cutaneous wound healing and angiogenesis. Wound Repair and Regeneration, 2006, 14, 443-452.	3.0	142
62	Decorinâ€“TGFÎ² Axis in Hepatic Fibrosis and Cirrhosis. Journal of Histochemistry and Cytochemistry, 2012, 60, 262-268.	2.5	142
63	Small leucine-rich proteoglycans orchestrate receptor crosstalk during inflammation. Cell Cycle, 2012, 11, 2084-2091.	2.6	142
64	The Î±vÎ²6 Integrin Is Transferred Intercellularly via Exosomes. Journal of Biological Chemistry, 2015, 290, 4545-4551.	3.4	140
65	Perlecan: A gem of a proteoglycan. Matrix Biology, 1994, 14, 203-208.	3.6	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. Cancer Research, 2006, 66, 7103-7110.	0.9	136
67	An Antimetastatic Role for Decorin in Breast Cancer. American Journal of Pathology, 2008, 173, 844-855.	3.8	136
68	The glycosaminoglycan chain of decorin plays an important role in collagen fibril formation at the early stages of fibrillogenesis. FEBS Journal, 2007, 274, 4246-4255.	4.7	133
69	The Protein Core of the Proteoglycan Perlecan Binds Specifically to Fibroblast Growth Factor-7. Journal of Biological Chemistry, 2000, 275, 7095-7100.	3.4	130
70	The Biology of Small Leucine-rich Proteoglycans in Bone Pathophysiology. Journal of Biological Chemistry, 2012, 287, 33926-33933.	3.4	130
71	FOXD1 promotes nephron progenitor differentiation by repressing decorin in the embryonic kidney. Development (Cambridge), 2014, 141, 17-27.	2.5	130
72	Suppression of tumorigenicity by adenovirus-mediated gene transfer of decorin. Oncogene, 2002, 21, 3688-3695.	5.9	129

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73	Angiogenesis in Collagen I Requires Î±2Î²1 Ligation of a GFP*GER Sequence and Possibly p38 MAPK Activation and Focal Adhesion Disassembly. Journal of Biological Chemistry, 2003, 278, 30516-30524.	3.4	129
74	Proteoglycan neofunctions: regulation of inflammation and autophagy in cancer biology. FEBS Journal, 2017, 284, 10-26.	4.7	129
75	Perlecan is required to inhibit thrombosis after deep vascular injury and contributes to endothelial cell-mediated inhibition of intimal hyperplasia. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 6722-6727.	7.1	128
76	Transcriptional Regulation of Decorin Gene Expression. Journal of Biological Chemistry, 1995, 270, 11692-11700.	3.4	127
77	Human perlecan immunopurified from different endothelial cell sources has different adhesive properties for vascular cells. Matrix Biology, 1999, 18, 163-178.	3.6	127
78	Decorin Antagonizes IGF Receptor I (IGF-IR) Function by Interfering with IGF-IR Activity and Attenuating Downstream Signaling. Journal of Biological Chemistry, 2011, 286, 34712-34721.	3.4	127
79	Structural characterization of the complete human perlecan gene and its promoter.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 10404-10408.	7.1	126
80	Cooperative action of germ-line mutations in decorin and p53 accelerates lymphoma tumorigenesis. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 3092-3097.	7.1	126
81	TLS/FUS, a pro-oncogene involved in multiple chromosomal translocations, is a novel regulator of BCR/ABL-mediated leukemogenesis. EMBO Journal, 1998, 17, 4442-4455.	7.8	124
82	Resistance to Lyme disease in decorin-deficient mice. Journal of Clinical Investigation, 2001, 107, 845-852.	8.2	124
83	Caveolin-1 and mitochondrial SOD2 (MnSOD) function as tumor suppressors in the stromal microenvironment. Cancer Biology and Therapy, 2011, 11, 383-394.	3.4	122
84	Decorin Activates the Epidermal Growth Factor Receptor and Elevates Cytosolic Ca2+ in A431 Carcinoma Cells. Journal of Biological Chemistry, 1998, 273, 3121-3124.	3.4	120
85	Genetic deficiency of decorin causes intestinal tumor formation through disruption of intestinal cell maturation. Carcinogenesis, 2008, 29, 1435-1440.	2.8	120
86	A Novel Interaction between Perlecan Protein Core and Progranulin. Journal of Biological Chemistry, 2003, 278, 38113-38116.	3.4	119
87	Matrix revolutions: â€˜tailsâ€™ of basement-membrane components with angiostatic functions. Trends in Cell Biology, 2005, 15, 52-60.	7.9	119
88	Decorin-transforming Growth Factor-Î² Interaction Regulates Matrix Organization and Mechanical Characteristics of Three-dimensional Collagen Matrices. Journal of Biological Chemistry, 2007, 282, 35887-35898.	3.4	119
89	Fibroblast Growth Factor-binding Protein Is a Novel Partner for Perlecan Protein Core. Journal of Biological Chemistry, 2001, 276, 10263-10271.	3.4	116
90	Protective Niche for Borrelia burgdorferi to Evade Humoral Immunity. American Journal of Pathology, 2004, 165, 977-985.	3.8	116

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91	Biglycan-triggered TLR-2- and TLR-4-signaling exacerbates the pathophysiology of ischemic acute kidney injury. Matrix Biology, 2014, 35, 143-151.	3.6	115
92	Perlecan regulates developmental angiogenesis by modulating the VEGF-VEGFR2 axis. Matrix Biology, 2009, 28, 284-291.	3.6	114
93	The Human Decorin Gene: Intron-Exon Organization, Discovery of Two Alternatively Spliced Exons in the 5â€² Untranslated Region, and Mapping of the Gene to Chromosome 12q23. Genomics, 1993, 15, 146-160.	2.9	112
94	A Role for Decorin in the Structural Organization of Periodontal Ligament. Laboratory Investigation, 2000, 80, 1869-1880.	3.7	112
95	Decorin Antagonizes Met Receptor Activity and Down-regulates Î²-Catenin and Myc Levels. Journal of Biological Chemistry, 2010, 285, 42075-42085.	3.4	112
96	Altered proteoglycan gene expression and the tumor stroma. Experientia, 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. Journal of Biomechanical Engineering, 2004, 126, 252-257.	1.3	111
98	EphA2 is a functional receptor for the growth factor progranulin. Journal of Cell Biology, 2016, 215, 687-703.	5.2	111
99	Decorin-mediated inhibition of colorectal cancer growth and migration is associated with E-cadherin in vitro and in mice. Carcinogenesis, 2012, 33, 326-330.	2.8	109
100	Perlecan Heparan Sulfate Proteoglycan. Journal of Biological Chemistry, 2000, 275, 25742-25750.	3.4	107
101	Biosynthetic and proliferative characteristics of tubulointerstitial fibroblasts probed with paracrine cytokines. Kidney International, 1992, 41, 14-23.	5.2	106
102	Formation of nodular structures resembling mature articular cartilage in longâ€“term primary cultures of human fetal epiphyseal chondrocytes on a hydrogel substrate. Arthritis and Rheumatism, 1994, 37, 1338-1349.	6.7	106
103	Decorin Deficiency Leads to Impaired Angiogenesis in Injured Mouse Cornea. Journal of Vascular Research, 2004, 41, 499-508.	1.4	106
104	Endorepellin In Vivo: Targeting the Tumor Vasculature and Retarding Cancer Growth and Metabolism. Journal of the National Cancer Institute, 2006, 98, 1634-1646.	6.3	106
105	Structural and Functional Characterization of the Human Perlecan Gene Promoter. Journal of Biological Chemistry, 1997, 272, 5219-5228.	3.4	105
106	A role for decorin in the remodeling of myocardial infarction. Matrix Biology, 2005, 24, 313-324.	3.6	105
107	The role of vascular-derived perlecan in modulating cell adhesion, proliferation and growth factor signaling. Matrix Biology, 2014, 35, 112-122.	3.6	105
108	In vivo selective and distant killing of cancer cells, using adenovirusâ€mediated decorin gene transfer. FASEB Journal, 2003, 17, 1-21.	0.5	103

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109	Biologically Active Decorin Is a Monomer in Solution. Journal of Biological Chemistry, 2004, 279, 6606-6612.	3.4	103
110	A central function for perlecan in skeletal muscle and cardiovascular development. Journal of Cell Biology, 2008, 181, 381-394.	5.2	101
111	Endorepellin, the Angiostatic Module of Perlecan, Interacts with Both the Î±2Î²1 Integrin and Vascular Endothelial Growth Factor Receptor 2 (VEGFR2). Journal of Biological Chemistry, 2011, 286, 25947-25962.	3.4	101
112	Decoding the Matrix: Instructive Roles of Proteoglycan Receptors. Biochemistry, 2015, 54, 4583-4598.	2.5	101
113	Decorin as a multivalent therapeutic agent against cancer. Advanced Drug Delivery Reviews, 2016, 97, 174-185.	13.7	101
114	Integrin Î±2Î²1 Is the Required Receptor for Endorepellin Angiostatic Activity. Journal of Biological Chemistry, 2008, 283, 2335-2343.	3.4	100
115	Proteoglycans and neoplasia. Cancer and Metastasis Reviews, 1988, 7, 39-50.	5.9	99
116	Endostatin and endorepellin: A common route of action for similar angiostatic cancer avengers. Advanced Drug Delivery Reviews, 2016, 97, 156-173.	13.7	98
117	Insights into the key roles of proteoglycans in breast cancer biology and translational medicine. Biochimica Et Biophysica Acta: Reviews on Cancer, 2015, 1855, 276-300.	7.4	96
118	Instructive Roles of Extracellular Matrix on Autophagy. American Journal of Pathology, 2014, 184, 2146-2153.	3.8	94
119	Caspase-3 Activation Triggers Extracellular Cathepsin L Release and Endorepellin Proteolysis. Journal of Biological Chemistry, 2008, 283, 27220-27229.	3.4	93
120	Heparan Sulfate-Dependent Signaling of Fibroblast Growth Factor 18 by Chondrocyte-Derived Perlecan. Biochemistry, 2010, 49, 5524-5532.	2.5	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. American Journal of Pathology, 2010, 176, 2997-3006.	3.8	91
122	Targeting Perlecan in Human Keratinocytes Reveals Novel Roles for Perlecan in Epidermal Formation. Journal of Biological Chemistry, 2006, 281, 5178-5187.	3.4	87
123	Novel interactions of perlecan: Unraveling perlecan's role in angiogenesis. Microscopy Research and Technique, 2008, 71, 339-348.	2.2	85
124	Ablation of the decorin gene enhances experimental hepatic fibrosis and impairs hepatic healing in mice. Laboratory Investigation, 2011, 91, 439-451.	3.7	85
125	The canonical Wnt pathway shapes niches supportive of hematopoietic stem/progenitor cells. Blood, 2012, 119, 1683-1692.	1.4	85
126	De novo expression of circulating biglycan evokes an innate inflammatory tissue response via MyD88/TRIF pathways. Matrix Biology, 2014, 35, 132-142.	3.6	85

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127	Decorin activates AMPK, an energy sensor kinase, to induce autophagy in endothelial cells. Matrix Biology, 2014, 34, 46-54.	3.6	83
128	Decorin-Mediated Regulation of Fibrillin-1 in the Kidney Involves the Insulin-Like Growth Factor-I Receptor and Mammalian Target of Rapamycin. American Journal of Pathology, 2007, 170, 301-315.	3.8	81
129	Targeted Disruption of Two Small Leucine-rich Proteoglycans, Biglycan and Decorin, Excerpts Divergent Effects on Enamel and Dentin Formation. Calcified Tissue International, 2005, 77, 297-310.	3.1	80
130	Cellâ€“matrix interactions: focus on proteoglycanâ€“proteinase interplay and pharmacological targeting in cancer. FEBS Journal, 2014, 281, 5023-5042.	4.7	80
131	Small leucine-rich proteoglycans, at the crossroad of cancer growth and inflammation. Current Opinion in Genetics and Development, 2012, 22, 56-57.	3.3	79
132	Biglycan evokes autophagy in macrophages via aÂnovel CD44/Toll-like receptor 4 signaling axisÂinÂischemia/reperfusion injury. Kidney International, 2019, 95, 540-562.	5.2	78
133	Molecular Cloning of the Human Proto-oncogene Wnt-5A and Mapping of the Gene (WNT5A) to Chromosome 3p14-p21. Genomics, 1993, 18, 249-260.	2.9	77
134	Influence of Decorin on the Mechanical, Compositional, and Structural Properties of the Mouse Patellar Tendon. Journal of Biomechanical Engineering, 2012, 134, 031005.	1.3	77
135	Decorin Protein Core Affects the Global Gene Expression Profile of the Tumor Microenvironment in a Triple-Negative Orthotopic Breast Carcinoma Xenograft Model. PLoS ONE, 2012, 7, e45559.	2.5	77
136	Decorin Deficiency Enhances Progressive Nephropathy in Diabetic Mice. American Journal of Pathology, 2007, 171, 1441-1450.	3.8	76
137	Insulin and Insulin-like Growth Factor II Differentially Regulate Endocytic Sorting and Stability of Insulin Receptor Isoform A. Journal of Biological Chemistry, 2012, 287, 11422-11436.	3.4	76
138	The systemic delivery of an oncolytic adenovirus expressing decorin inhibits bone metastasis in a mouse model of human prostate cancer. Gene Therapy, 2015, 22, 247-256.	4.5	76
139	The Murine Biglycan: Complete cDNA Cloning, Genomic Organization, Promoter Function, and Expression. Genomics, 1995, 30, 8-17.	2.9	74
140	Investigating Tendon Fascicle Structureâ€“Function Relationships in a Transgenic-Age Mouse Model Using Multiple Regression Models. Annals of Biomedical Engineering, 2004, 32, 924-931.	2.5	74
141	Decorin Induces Mitophagy in Breast Carcinoma Cells via Peroxisome Proliferator-activated Receptor Î³ Coactivator-1Î± (PGC-1Î±) and Mitostatin. Journal of Biological Chemistry, 2014, 289, 4952-4968.	3.4	74
142	câ€Šrc, Insulinâ€Like Growth Factor I Receptor, Gâ€Proteinâ€Coupled Receptor Kinases and Focal Adhesion Kinase are Enriched Into Prostate Cancer Cell Exosomes. Journal of Cellular Biochemistry, 2017, 118, 66-73.	2.6	74
143	Endothelial Cells Provide Feedback Control for Vascular Remodeling Through a Mechanosensitive Autocrine TGF-Î² Signaling Pathway. Circulation Research, 2008, 103, 289-297.	4.5	73
144	Effect of Age and Proteoglycan Deficiency on Collagen Fiber Re-Alignment and Mechanical Properties in Mouse Supraspinatus Tendon. Journal of Biomechanical Engineering, 2013, 135, 021019.	1.3	73

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145	Endorepellin Evokes Autophagy in Endothelial Cells. Journal of Biological Chemistry, 2014, 289, 16114-16128.	3.4	73
146	The injury response of aged tendons in the absence of biglycan and decorin. Matrix Biology, 2014, 35, 232-238.	3.6	73
147	Prostate cancer sheds the Î±vÎ²3 integrin in vivo through exosomes. Matrix Biology, 2019, 77, 41-57.	3.6	73
148	Decorin deficiency promotes hepatic carcinogenesis. Matrix Biology, 2014, 35, 194-205.	3.6	71
149	Dissecting the role of hyaluronan synthases in the tumor microenvironment. FEBS Journal, 2019, 286, 2937-2949.	4.7	70
150	A Key Role for the Integrin Î±2Î²1 in Experimental and Developmental Angiogenesis. American Journal of Pathology, 2009, 175, 1338-1347.	3.8	69
151	Endorepellin Affects Angiogenesis by Antagonizing Diverse Vascular Endothelial Growth Factor Receptor 2 (VEGFR2)-evoked Signaling Pathways. Journal of Biological Chemistry, 2012, 287, 43543-43556.	3.4	69
152	Soluble biglycan as a biomarker of inflammatory renal diseases. International Journal of Biochemistry and Cell Biology, 2014, 54, 223-235.	2.8	68
153	Decorin Regulates the Aggrecan Network Integrity and Biomechanical Functions of Cartilage Extracellular Matrix. ACS Nano, 2019, 13, 11320-11333.	14.6	67
154	Proepithelin Regulates Prostate Cancer Cell Biology by Promoting Cell Growth, Migration, and Anchorage-Independent Growth. American Journal of Pathology, 2009, 174, 1037-1047.	3.8	66
155	The Tendon Injury Response is Influenced by Decorin and Biglycan. Annals of Biomedical Engineering, 2014, 42, 619-630.	2.5	66
156	Decorin is an autophagy-inducible proteoglycan and is required for proper in vivo autophagy. Matrix Biology, 2015, 48, 14-25.	3.6	66
157	A soluble ectodomain of LRIG1 inhibits cancer cell growth by attenuating basal and ligand-dependent EGFR activity. Oncogene, 2007, 26, 368-381.	5.9	64
158	Systemic Delivery of an Oncolytic Adenovirus Expressing Decorin for the Treatment of Breast Cancer Bone Metastases. Human Gene Therapy, 2015, 26, 813-825.	2.7	63
159	Steroid Hormones Are Key Modulators of Tissue Mechanical Function via Regulation of Collagen and Elastic Fibers. Endocrinology, 2017, 158, 950-962.	2.8	63
160	Decorin is a devouring proteoglycan: Remodeling of intracellular catabolism via autophagy and mitophagy. Matrix Biology, 2019, 75-76, 260-270.	3.6	63
161	Perlecan Proteolysis Induces an Î±2Î²1 Integrin- and Src Family Kinase-dependent Anti-apoptotic Pathway in Fibroblasts in the Absence of Focal Adhesion Kinase Activation. Journal of Biological Chemistry, 2006, 281, 30383-30392.	3.4	62
162	Role of tyrosine phosphatase SHP-1 in the mechanism of endorepellin angiostatic activity. Blood, 2009, 114, 4897-4906.	1.4	62

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163	Endorepellin, the C-terminal angiostatic module of perlecan, enhances collagen-platelet responses via the Î±2Î²1-integrin receptor. Blood, 2007, 109, 3745-3748.	1.4	61
164	The angiostatic molecule Multimerin 2 is processed by MMP-9 to allow sprouting angiogenesis. Matrix Biology, 2017, 64, 40-53.	3.6	61
165	Tumor-suppressive functions of 4-MU on breast cancer cells of different ER status: Regulation of hyaluronan/HAS2/CD44 and specific matrix effectors. Matrix Biology, 2019, 78-79, 118-138.	3.6	61
166	Mapping of the versican proteoglycan gene (CSPG2) to the long arm of human chromosome 5 (5q12â€“5q14). Genomics, 1992, 14, 845-851.	2.9	60
167	The role of proteomics in the assessment of premature rupture of fetal membranes. Clinica Chimica Acta, 2005, 360, 27-36.	1.1	59
168	Dissecting the CD93-Multimerin 2 interaction involved in cell adhesion and migration of the activated endothelium. Matrix Biology, 2017, 64, 112-127.	3.6	59
169	Proteoglycans and neoplasticâ€”mesenchymal cell interactions. Human Pathology, 1984, 15, 2-10.	2.0	58
170	Transcriptional Silencing of Perlecan Gene Expression by Interferon-Î³. Journal of Biological Chemistry, 1998, 273, 4642-4646.	3.4	58
171	Scleroderma-like properties of skin from caveolin-1-deficient mice. Cell Cycle, 2011, 10, 2140-2150.	2.6	58
172	Mast Cells Produce Novel Shorter Forms of Perlecan That Contain Functional Endorepellin. Journal of Biological Chemistry, 2013, 288, 3289-3304.	3.4	58
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