Suneel S Apte

List of Publications by Year
in descending order

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150 papers	10,551 citations	23544 58 h-index	36008 97 g-index
157 all docs	157 docs citations	157 times ranked	9560 citing authors

#	Article	IF	Citations
1	A Disintegrin-like and Metalloprotease (Reprolysin-type) with Thrombospondin Type 1 Motif (ADAMTS) Superfamily: Functions and Mechanisms. Journal of Biological Chemistry, 2009, 284, 31493-31497.	1.6	417
2	Characterization of ADAMTS-9 and ADAMTS-20 as a Distinct ADAMTS Subfamily Related to Caenorhabditis elegans GON-1. Journal of Biological Chemistry, 2003, 278, 9503-9513.	1.6	288
3	The Gene Structure of Tissue Inhibitor of Metalloproteinases (TIMP)-3 and Its Inhibitory Activities Define the Distinct TIMP Gene Family. Journal of Biological Chemistry, 1995, 270, 14313-14318.	1.6	260
4	A type X collagen mutation causes Schmid metaphyseal chondrodysplasia. Nature Genetics, 1993, 5, 79-82.	9.4	253
5	Matrix metalloproteinases: old dogs with new tricks. Genome Biology, 2003, 4, 216.	13.9	252
6	A disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motifs: the ADAMTS family. International Journal of Biochemistry and Cell Biology, 2004, 36, 981-985.	1.2	234
7	ADAMTS Metalloproteases Generate Active Versican Fragments that Regulate Interdigital Web Regression. Developmental Cell, 2009, 17, 687-698.	3.1	222
8	Cloning of the cDNA Encoding Human Tissue Inhibitor of Metalloproteinases-3 (TIMP-3) and Mapping of the TIMP3 Gene to Chromosome 22. Genomics, 1994, 19, 86-90.	1.3	214
9	ADAMTSL2 mutations in geleophysic dysplasia demonstrate a role for ADAMTS-like proteins in TGF-Î² bioavailability regulation. Nature Genetics, 2008, 40, 1119-1123.	9.4	211
10	Procollagen II Amino Propeptide Processing by ADAMTS-3. Journal of Biological Chemistry, 2001, 276, 31502-31509.	1.6	209
11	Loss of MMP-2 disrupts skeletal and craniofacial development and results in decreased bone mineralization, joint erosion and defects in osteoblast and osteoclast growth. Human Molecular Genetics, 2007, 16, 1113-1123.	1.4	202
12	Mutations in the TGFÎ² Binding-Protein-Like Domain 5 of FBN1 Are Responsible for Acromicric and Geleophysic Dysplasias. American Journal of Human Genetics, 2011, 89, 7-14.	2.6	199
13	ADAMTS proteins in human disorders. Matrix Biology, 2018, 71-72, 225-239.	1.5	191
14	ADAM-TS5, ADAM-TS6, and ADAM-TS7, Novel Members of a New Family of Zinc Metalloproteases. Journal of Biological Chemistry, 1999, 274, 25555-25563.	1.6	187
15	Egr-1 Mediates Extracellular Matrix-driven Transcription of Membrane Type 1 Matrix Metalloproteinase in Endothelium. Journal of Biological Chemistry, 1999, 274, 22679-22685.	1.6	168
16	Murine tissue inhibitor of metalloproteinasesâ€"4 (Timpâ€"4): cDNA isolation and expression in adult mouse tissues¹. FEBS Letters, 1997, 401, 213-217.	1.3	167
17	Metalloproteinases: A parade of functions in matrix biology and an outlook for the future. Matrix Biology, 2015, 44-46, 1-6.	1.5	156
18	A review of tissue inhibitor of metalloproteinases-3 (TIMP-3) and experimental analysis of its effect on primary tumor growth. Biochemistry and Cell Biology, 1996, 74, 853-862.	0.9	149

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19	Reduced versican cleavage due to Adamts9 haploinsufficiency is associated with cardiac and aortic anomalies. Matrix Biology, 2010, 29, 304-316.	1.5	145
20	The multiple, complex roles of versican and its proteolytic turnover by ADAMTS proteases during embryogenesis. Matrix Biology, 2014, 35, 34-41.	1.5	145
21	Insights on ADAMTS proteases and ADAMTS-like proteins from mammalian genetics. Matrix Biology, 2015, 44-46, 24-37.	1.5	144
22	The Matrix Metalloproteinase-14 (MMP-14) Gene Is Structurally Distinct from Other MMP Genes and Is Co-expressed with the TIMP-2 Gene during Mouse Embryogenesis. Journal of Biological Chemistry, 1997, 272, 25511-25517.	1.6	130
23	ADAMTS proteins as modulators of microfibril formation and function. Matrix Biology, 2015, 47, 34-43.	1.5	130
24	Gene encoding a novel murine tissue inhibitor of metalloproteinases (TIMP), TIMP-3, is expressed in developing mouse epithelia, cartilage, and muscle, and is located on mouse chromosome 10. Developmental Dynamics, 1994, 200, 177-197.	0.8	124
25	ADAMTS10 Protein Interacts with Fibrillin-1 and Promotes Its Deposition in Extracellular Matrix of Cultured Fibroblasts. Journal of Biological Chemistry, 2011, 286, 17156-17167.	1.6	122
26	Distinctive functions of membrane type 1 matrix-metalloprotease (MT1-MMP or MMP-14) in lung and submandibular gland development are independent of its role in pro-MMP-2 activation. Developmental Biology, 2005, 277, 255-269.	0.9	121
27	Cooperation of two ADAMTS metalloproteases in closure of the mouse palate identifies a requirement for versican proteolysis in regulating palatal mesenchyme proliferation. Development (Cambridge), 2010, 137, 4029-4038.	1.2	120
28	Immunoregulatory roles of versican proteolysis in the myeloma microenvironment. Blood, 2016, 128, 680-685.	0.6	119
29	Massive aggrecan and versican accumulation in thoracic aortic aneurysm and dissection. JCI Insight, 2018, 3, .	2.3	118
30	Matrix Metalloproteinase-14 Deficiency in Bone Marrowâ€“Derived Cells Promotes Collagen Accumulation in Mouse Atherosclerotic Plaques. Circulation, 2008, 117, 931-939.	1.6	114
31	Altered versican cleavage in ADAMTS5 deficient mice; A novel etiology of myxomatous valve disease. Developmental Biology, 2011, 357, 152-164.	0.9	113
32	The biology of the extracellular matrix. Current Opinion in Rheumatology, 2013, 25, 65-70.	2.0	113
33	92-kDa type IV collagenase and TIMP-3, but not 72-kDa type IV collagenase or TIMP-1 or TIMP-2, are highly expressed during mouse embryo implantation. Developmental Dynamics, 1995, 202, 388-396.	0.8	112
34	MT1-MMP Is Required for Myeloid Cell Fusion via Regulation of Rac1 Signaling. Developmental Cell, 2010, 18, 77-89.	3.1	108
35	Human Tissue Inhibitor of Metalloproteinases 3 Interacts with Both the N- and C-terminal Domains of Gelatinases A and B. Journal of Biological Chemistry, 1999, 274, 10846-10851.	1.6	103
36	The Secreted Metalloprotease ADAMTS20 Is Required for Melanoblast Survival. PLoS Genetics, 2008, 4, e1000003.	1.5	102

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37	ADAMTS9 Is a Cell-Autonomously Acting, Anti-Angiogenic Metalloprotease Expressed by Microvascular Endothelial Cells. American Journal of Pathology, 2010, 176, 1494-1504.	1.9	97
38	Characterization of proADAMTS5 processing by proprotein convertases. International Journal of Biochemistry and Cell Biology, 2009, 41, 1116-1126.	1.2	96
39	Mapping of the human BAX gene to chromosome 19q13.3â€“q13.4 and isolation of a novel alternatively spliced transcript, BAXÎ´. Genomics, 1995, 26, 592-594.	1.3	95
40	Membrane Type 1-Matrix Metalloproteinase Is Regulated by Chemokines Monocyte-Chemoattractant Protein-1/CCL2 and Interleukin-8/CXCL8 in Endothelial Cells during Angiogenesis. Journal of Biological Chemistry, 2005, 280, 1292-1298.	1.6	95
41	ADAMTS-9 is synergistically induced by interleukin-1Î² and tumor necrosis factor Î± in OUMS-27 chondrosarcoma cells and in human chondrocytes. Arthritis and Rheumatism, 2005, 52, 1451-1460.	6.7	94
42	Regulation of procollagen amino-propeptide processing during mouse embryogenesis by specialization of homologous ADAMTS proteases: insights on collagen biosynthesis and dermatosparaxis. Development (Cambridge), 2006, 133, 1587-1596.	1.2	94
43	Extracellular ProteaseADAMTS9Suppresses Esophageal and Nasopharyngeal Carcinoma Tumor Formation by Inhibiting Angiogenesis. Cancer Research, 2010, 70, 5567-5576.	0.4	90
44	Pericellular Versican Regulates the Fibroblast-Myofibroblast Transition. Journal of Biological Chemistry, 2011, 286, 34298-34310.	1.6	90
45	Punctin, a Novel ADAMTS-like Molecule, ADAMTSL-1, in Extracellular Matrix. Journal of Biological Chemistry, 2002, 277, 12182-12189.	1.6	89
46	ADAMTS7B, the Full-length Product of the ADAMTS7 Gene, Is a Chondroitin Sulfate Proteoglycan Containing a Mucin Domain. Journal of Biological Chemistry, 2004, 279, 35159-35175.	1.6	87
47	Adamts9 is widely expressed during mouse embryo development. Gene Expression Patterns, 2005, 5, 609-617.	0.3	87
48	ADAMTSL4, a Secreted Glycoprotein Widely Distributed in the Eye, Binds Fibrillin-1 Microfibrils and Accelerates Microfibril Biogenesis. , 2012, 53, 461.		87
49	Post-translational Modification of Thrombospondin Type-1 Repeats in ADAMTS-like 1/Punctin-1 by C-Mannosylation of Tryptophan. Journal of Biological Chemistry, 2009, 284, 30004-30015.	1.6	85
50	Cloning of the human and mouse type X collagen genes and mapping of the mouse type X collagen gene to chromosome 10. FEBS Journal, 1992, 206, 217-224.	0.2	83
51	Genetic and functional linkage between ADAMTS superfamily proteins and fibrillin-1: a novel mechanism influencing microfibril assembly and function. Cellular and Molecular Life Sciences, 2011, 68, 3137-3148.	2.4	82
52	A defect in a novel ADAMTS family member is the cause of the belted white-spotting mutation. Development (Cambridge), 2003, 130, 4665-4672.	1.2	80
53	Adamts5, the gene encoding a proteoglycan-degrading metalloprotease, is expressed by specific cell lineages during mouse embryonic development and in adult tissues. Gene Expression Patterns, 2009, 9, 314-323.	0.3	77
54	ADAMTS3 activity is mandatory for embryonic lymphangiogenesis and regulates placental angiogenesis. Angiogenesis, 2016, 19, 53-65.	3.7	77

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55	Overcoming neuriteâ€inhibitory chondroitin sulfate proteoglycans in the astrocyte matrix. Glia, 2013, 61, 972-984.	2.5	75
56	O-Fucosylation of Thrombospondin Type 1 Repeats in ADAMTS-like-1/Punctin-1 Regulates Secretion. Journal of Biological Chemistry, 2007, 282, 17024-17031.	1.6	74
57	Discovery and Characterization of a Novel, Widely Expressed Metalloprotease, ADAMTS10, and Its Proteolytic Activation. Journal of Biological Chemistry, 2004, 279, 51208-51217.	1.6	73
58	Characterization of a novel epigeneticallyâ€silenced, growthâ€suppressive gene, ADAMTS9, and its association with lymph node metastases in nasopharyngeal carcinoma. International Journal of Cancer, 2008, 123, 401-408.	2.3	65
59	Versican Processing by a Disintegrin-like and Metalloproteinase Domain with Thrombospondin-1 Repeats Proteinases-5 and -15 Facilitates Myoblast Fusion. Journal of Biological Chemistry, 2013, 288, 1907-1917.	1.6	65
60	Stromal Versican Regulates Tumor Growth by Promoting Angiogenesis. Scientific Reports, 2017, 7, 17225.	1.6	63
61	Regulation of ADAMTS9 Secretion and Enzymatic Activity by Its Propeptide. Journal of Biological Chemistry, 2007, 282, 16146-16154.	1.6	58
62	ADAMTSL-3/punctin-2, a novel glycoprotein in extracellular matrix related to the ADAMTS family of metalloproteases. Matrix Biology, 2003, 22, 501-510.	1.5	57
63	Positional identification of variants of Adamts16 linked to inherited hypertension. Human Molecular Genetics, 2009, 18, 2825-2838.	1.4	57
64	Adamtsl2 deletion results in bronchial fibrillin microfibril accumulation and bronchial epithelial dysplasia â€“ a novel mouse model providing insights into geleophysic dysplasia. DMM Disease Models and Mechanisms, 2015, 8, 487-499.	1.2	56
65	Unusual life cycle and impact on microfibril assembly of ADAMTS17, a secreted metalloprotease mutated in genetic eye disease. Scientific Reports, 2017, 7, 41871.	1.6	56
66	Oncostatin M Differentially Regulates Tissue Inhibitors of Metalloproteinases TIMP-1 and TIMP-3 Gene Expression in Human Synovial Lining Cells. FEBS Journal, 1996, 241, 56-63.	0.2	55
67	The characterisation of six ADAMTS proteases in the basal chordate Ciona intestinalis provides new insights into the vertebrate ADAMTS family. International Journal of Biochemistry and Cell Biology, 2005, 37, 1838-1845.	1.2	55
68	Cell-surface Processing of Pro-ADAMTS9 by Furin. Journal of Biological Chemistry, 2006, 281, 12485-12494.	1.6	55
69	Functional interplay between endothelial nitric oxide synthase and membrane type 1â€“matrix metalloproteinase in migrating endothelial cells. Blood, 2007, 110, 2916-2923.	0.6	55
70	ADAMTS9-Mediated Extracellular Matrix Dynamics Regulates Umbilical Cord Vascular Smooth Muscle Differentiation and Rotation. Cell Reports, 2015, 11, 1519-1528.	2.9	53
71	Modulated Expression of Type X Collagen in the Meckel's Cartilage with Different Developmental Fates. Developmental Biology, 1995, 170, 387-396.	0.9	52
72	Production of Membrane-type Matrix Metalloproteinase-1 (MT-MMP-1) in Early Human Placenta: A Possible Role in Placental Implantation?. Journal of Histochemistry and Cytochemistry, 1998, 46, 221-229.	1.3	51

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73	Secreted metalloproteases ADAMTS9 and ADAMTS20 have a non-canonical role in ciliary vesicle growth during ciliogenesis. Nature Communications, 2019, 10, 953.	5.8	51
74	ADAMTS-like 2 (ADAMTSL2) is a secreted glycoprotein that is widely expressed during mouse embryogenesis and is regulated during skeletal myogenesisâ˜†. Matrix Biology, 2007, 26, 431-441.	1.5	50
75	Determinants of Versican-V1 Proteoglycan Processing by the Metalloproteinase ADAMTS5. Journal of Biological Chemistry, 2014, 289, 27859-27873.	1.6	49
76	Time-resolved Analysis of the Matrix Metalloproteinase 10 Substrate Degradome. Molecular and Cellular Proteomics, 2014, 13, 580-593.	2.5	48
77	A new Adamts9 conditional mouse allele identifies its nonâ€redundant role in interdigital web regression. Genesis, 2014, 52, 702-712.	0.8	47
78	Exome-chip meta-analysis identifies novel loci associated with cardiac conduction, including ADAMTS6. Genome Biology, 2018, 19, 87.	3.8	47
79	Induction of the MMP-14 Gene in Macrophages of the Atherosclerotic Plaque. Circulation Research, 2004, 95, 1082-1090.	2.0	46
80	Functional analysis of an ADAMTS10 signal peptide mutation in Weill-Marchesani syndrome demonstrates a long-range effect on secretion of the full-length enzyme. Human Mutation, 2008, 29, 1425-1434.	1.1	45
81	A disintegrin-like and metalloprotease domain containing thrombospondin type 1 motif-like 5 (ADAMTSL5) is a novel fibrillin-1-, fibrillin-2-, and heparin-binding member of the ADAMTS superfamily containing a netrin-like module. Matrix Biology, 2012, 31, 398-411.	1.5	45
82	Nonselective Assembly of Fibrillin 1 and Fibrillin 2 in the Rodent Ocular Zonule and in Cultured Cells: Implications for Marfan Syndrome. , 2013, 54, 8337.		43
83	Disruption of murineAdamtsl4results in zonular fiber detachment from the lens and in retinal pigment epithelium dedifferentiation. Human Molecular Genetics, 2015, 24, ddv399.	1.4	41
84	ADAMTS9-Regulated Pericellular Matrix Dynamics Governs Focal Adhesion-Dependent Smooth Muscle Differentiation. Cell Reports, 2018, 23, 485-498.	2.9	41
85	Cell-surface Processing of the Metalloprotease Pro-ADAMTS9 Is Influenced by the Chaperone GRP94/gp96. Journal of Biological Chemistry, 2010, 285, 197-205.	1.6	40
86	Adamts10 inactivation in mice leads to persistence of ocular microfibrils subsequent to reduced fibrillin-2 cleavage. Matrix Biology, 2019, 77, 117-128.	1.5	40
87	Genetic and biochemical evidence that gastrulation defects in Pofut2 mutants result from defects in ADAMTS9 secretion. Developmental Biology, 2016, 416, 111-122.	0.9	39
88	The highly conserved defender against the death 1 (DAD1) gene maps to human chromosome 14q11-q12 and mouse chromosome 14 and has plant and nematode homologs. FEBS Letters, 1995, 363, 304-306.	1.3	37
89	Aggrecan in Cardiovascular Development and Disease. Journal of Histochemistry and Cytochemistry, 2020, 68, 777-795.	1.3	37
90	The secreted protease Adamts18 links hormone action to activation of the mammary stem cell niche. Nature Communications, 2020, 11, 1571.	5.8	37

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91	The metalloproteinase-proteoglycans ADAMTS7 and ADAMTS12 provide an innate, tendon-specific protective mechanism against heterotopic ossification. JCI Insight, 2018, 3, .	2.3	36
92	Cloning of the Human Tissue Inhibitor of Metalloproteinase-4 Gene (TIMP4) and Localization of the TIMP4 andTimp4Genes to Human Chromosome 3p25 and Mouse Chromosome 6, Respectively. Genomics, 1998, 51, 148-151.	1.3	34
93	ADAMTSL5 is an epigenetically activated gene underlying tumorigenesis and drug resistance in hepatocellular carcinoma. Journal of Hepatology, 2021, 74, 893-906.	1.8	34
94	Human Eye Development Is Characterized by Coordinated Expression of Fibrillin Isoforms. Investigative Ophthalmology and Visual Science, 2014, 55, 7934-7944.	3.3	33
95	Anti-ADAMTS5 monoclonal antibodies: implications for aggrecanase inhibition in osteoarthritis. Biochemical Journal, 2016, 473, e1-e4.	1.7	33
96	An ADAMTSL2 Founder Mutation Causes Musladin-Lueke Syndrome, a Heritable Disorder of Beagle Dogs, Featuring Stiff Skin and Joint Contractures. PLoS ONE, 2010, 5, e12817.	1.1	32
97	Characterization of the Mouse Type X Collagen Gene. Matrix Biology, 1993, 13, 165-179.	1.8	31
98	Adamts18 deletion results in distinct developmental defects and provides a model for congenital disorders of lens, lung, and female reproductive tract development. Biology Open, 2016, 5, 1585-1594.	0.6	31
99	A Selective Extracellular Matrix Proteomics Approach Identifies Fibronectin Proteolysis by A Disintegrin-like and Metalloprotease Domain with Thrombospondin Type 1 Motifs (ADAMTS16) and Its Impact on Spheroid Morphogenesis. Molecular and Cellular Proteomics, 2018, 17, 1410-1425.	2.5	31
100	Genes of the Membrane-Type Matrix Metalloproteinase (MT-MMP) Gene Family, MMP14, MMP15, and MMP16, Localize to Human Chromosomes 14, 16, and 8, Respectively. Genomics, 1997, 40, 168-169.	1.3	30
101	ADAM-TS8, a Novel Metalloprotease of the ADAM-TS Family Located on Mouse Chromosome 9 and Human Chromosome 11. Genomics, 1999, 62, 312-315.	1.3	30
102	Mutations of ADAMTS9 Cause Nephronophthisis-Related Ciliopathy. American Journal of Human Genetics, 2019, 104, 45-54.	2.6	29
103	Impaired ADAMTS9 secretion: A potential mechanism for eye defects in Peters Plus Syndrome. Scientific Reports, 2016, 6, 33974.	1.6	28
104	Exosites in Hypervariable Loops of ADAMTS Spacer Domains control Substrate Recognition and Proteolysis. Scientific Reports, 2019, 9, 10914.	1.6	27
105	ADAMTSL3/punctin-2, a gene frequently mutated in colorectal tumors, is widely expressed in normal and malignant epithelial cells, vascular endothelial cells and other cell types, and its mRNA is reduced in colon cancer. International Journal of Cancer, 2007, 121, 1710-1716.	2.3	26
106	[1] Nonfibrillar collagens. Methods in Enzymology, 1994, 245, 3-28.	0.4	25
107	Identification and functional analysis of anADAMTSL1variant associated with a complex phenotype including congenital glaucoma, craniofacial, and other systemic features in a threeâ€generation human pedigree. Human Mutation, 2017, 38, 1485-1490.	1.1	25
108	ADAMTS Proteins: Concepts, Challenges, and Prospects. Methods in Molecular Biology, 2020, 2043, 1-12.	0.4	24

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109	ADAMTS9 and ADAMTS20 are differentially affected by loss of B3GLCT in mouse model of Peters plus syndrome. Human Molecular Genetics, 2019, 28, 4053-4066.	1.4	23
110	A disintegrin-like and metalloproteinase domain with thrombospondin type 1 motif 9 (ADAMTS9) regulates fibronectin fibrillogenesis and turnover. Journal of Biological Chemistry, 2019, 294, 9924-9936.	1.6	22
111	Limb- and tendon-specific Adamtsl2 deletion identifies a role for ADAMTSL2 in tendon growth in a mouse model for geleophysic dysplasia. Matrix Biology, 2019, 82, 38-53.	1.5	21
112	ADAMTS9 Regulates Skeletal Muscle Insulin Sensitivity Through Extracellular Matrix Alterations. Diabetes, 2019, 68, 502-514.	0.3	20
113	The extracellular matrix glycoprotein ADAMTSL2 is increased in heart failure and inhibits TGFÎ² signalling in cardiac fibroblasts. Scientific Reports, 2021, 11, 19757.	1.6	20
114	Adamts5 (aggrecanaseâ€2) is widely expressed in the mouse musculoskeletal system and is induced in specific regions of knee joint explants by inflammatory cytokines. Journal of Orthopaedic Research, 2012, 30, 226-233.	1.2	18
115	Proteomics identifies a convergent innate response to infective endocarditis and extensive proteolysis in vegetation components. JCI Insight, 2020, 5, .	2.3	18
116	Interactions between lysyl oxidases and ADAMTS proteins suggest a novel crosstalk between two extracellular matrix families. Matrix Biology, 2019, 75-76, 114-125.	1.5	17
117	A new mouse mutant with cleavage-resistant versican and isoform-specific versican mutants demonstrate that proteolysis at the Glu441-Ala442 peptide bond in the V1 isoform is essential for interdigital web regression. Matrix Biology Plus, 2021, 10, 100064.	1.9	16
118	Identification of novel ADAMTS1, ADAMTS4 and ADAMTS5 cleavage sites in versican using a label-free quantitative proteomics approach. Journal of Proteomics, 2021, 249, 104358.	1.2	16
119	Isolation and Purification of Versican and Analysis of Versican Proteolysis. Methods in Molecular Biology, 2015, 1229, 587-604.	0.4	16
120	Vascular dimorphism ensured by regulated proteoglycan dynamics favors rapid umbilical artery closure at birth. ELife, 2020, 9, .	2.8	16
121	O-Fucosylation of ADAMTSL2 is required for secretion and is impacted by geleophysic dysplasia-causing mutations. Journal of Biological Chemistry, 2020, 295, 15742-15753.	1.6	15
122	Forward and reverse degradomics defines the proteolytic landscape of human knee osteoarthritic cartilage and the role of the serine protease HtrA1. Osteoarthritis and Cartilage, 2022, 30, 1091-1102.	0.6	15
123	Versican Proteolysis by ADAMTS Proteases and Its Influence on Sex Steroid Receptor Expression in Uterine Leiomyoma. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 1631-1641.	1.8	14
124	Disruption of the Extracellular Matrix Progressively Impairs Central Nervous System Vascular Maturation Downstream of Î²-Catenin Signaling. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 1432-1447.	1.1	14
125	The versican-hyaluronan complex provides an essential extracellular matrix niche for Flk1+ hematoendothelial progenitors. Matrix Biology, 2021, 97, 40-57.	1.5	14
126	Post-translational regulation and proteolytic activity of the metalloproteinase ADAMTS8. Journal of Biological Chemistry, 2021, 297, 101323.	1.6	14

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127	Proteolysis: a key post-translational modification regulating proteoglycans. American Journal of Physiology - Cell Physiology, 2022, 323, C651-C665.	2.1	14
128	A novel pathogenic missense ADAMTS17 variant that impairs secretion causes Weill-Marchesani Syndrome with variably dysmorphic hand features. Scientific Reports, 2020, 10, 10827.	1.6	13
129	Proteolysis of fibrillin-2 microfibrils is essential for normal skeletal development. ELife, 2022, 11, .	2.8	13
130	Expression Analysis by RNAscopeâ„¢ In Situ Hybridization. Methods in Molecular Biology, 2020, 2043, 173-178.	0.4	8
131	Alternative splicing of the metalloprotease ADAMTS17 spacer regulates secretion and modulates autoproteolytic activity. FASEB Journal, 2021, 35, e21310.	0.2	7
132	Regulation of extracellular matrix composition by fibroblasts during perinatal cardiac maturation. Journal of Molecular and Cellular Cardiology, 2022, 169, 84-95.	0.9	7
133	Invasive Aortic Valve Endocarditis: Clinical and Tissue Findings From a Prospective Investigation. Annals of Thoracic Surgery, 2022, 113, 535-543.	0.7	5
134	Expression of the cell proliferation-associated nuclear antigen reactive with the Ki-67 monoclonal antibody by cells of the skeletal system in humans and other species. Bone and Mineral, 1990, 10, 37-50.	2.0	4
135	TIMP-3 Accumulation in Bruchâ€™s Membrane and Drusen in Eyes From Normal and Age-Related Macular Degeneration Donors. , 1997, , 11-15.		4
136	Visualizing Staphylococcus aureus pathogenic membrane modification within the host infection environment by multimodal imaging mass spectrometry. Cell Chemical Biology, 2022, 29, 1209-1217.e4.	2.5	4
137	An update on metalloproteases in the musculoskeletal system. Current Opinion in Orthopaedics, 2003, 14, 322-328.	0.3	3
138	Characterization of Proteoglycanomes by Mass Spectrometry. Biology of Extracellular Matrix, 2020, , 69-82.	0.3	3
139	Isolation and Purification of Versican and Analysis of Versican. Methods in Molecular Biology, 2022, 2303, 559-578.	0.4	2
140	The ADAMTS Endopeptidases. , 2013, , 1149-1155.		1
141	In Situ Hybridization for Metalloproteinases and Their Inhibitors. Methods in Molecular Biology, 2010, 622, 195-209.	0.4	1
142	Mapping of Two Mouse Membrane-Type Matrix Metalloproteinase (MT-MMP) Genes,Mmp15andMmp16,to Mouse Chromosomes 8 and 4, Respectively. Genomics, 1998, 50, 295-297.	1.3	0
143	ADAMTS3 and ADAMTS14. , 2005, , 283-298.		0
144	The Pivotal Role of Versican Turnover by ADAMTS Proteases in Mammalian Reproduction and Development. Biology of Extracellular Matrix, 2021, , 35-51.	0.3	0

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145	The ADAMTS endopeptidases. , 2004, , 729-734.		0
146	ADAMTS10. , 2013, , 1191-1194.		0
147	ADAMTS9. , 2013, , 1186-1191.		0
148	The Role of the ADAMTS Proteins in the Intervertebral Disc. , 2014, , 125-135.		0
149	Overview of the ADAMTS Superfamily. , 2015, , 21-37.		0
150	Visualization and Quantification of Pericellular Matrix. Methods in Molecular Biology, 2020, 2043, 261-264.	0.4	0