

# Alex Y Strongin

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

179  
papers

10,965  
citations

51  
h-index

100  
g-index

185  
ext. papers

11,791  
ext. citations

5.5  
avg. IF

5.8  
L-index

#	Paper	IF	Citations
179	Sex-Specific B Cell and Anti-Myelin Autoantibody Response After Peripheral Nerve Injury.. <i>Frontiers in Cellular Neuroscience</i> , <b>2022</b> , 16, 835800	6.1	0
178	Potential Therapeutic Targeting of Coronavirus Spike Glycoprotein Priming. <i>Molecules</i> , <b>2020</b> , 25,	4.8	12
177	A myelin basic protein fragment induces sexually dimorphic transcriptome signatures of neuropathic pain in mice. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 10807-10821	5.4	8
176	A Note on the Potential BCG Vaccination [COVID-19 Molecular Link. <i>Coronaviruses</i> , <b>2020</b> , 1, 4-6	1.5	2
175	Characterization and regulation of MT1-MMP cell surface-associated activity. <i>Chemical Biology and Drug Design</i> , <b>2019</b> , 93, 1251-1264	2.9	4
174	Directed Evolution to Engineer Monobody for FRET Biosensor Assembly and Imaging at Live-Cell Surface. <i>Cell Chemical Biology</i> , <b>2018</b> , 25, 370-379.e4	8.2	16
173	A sensitive and selective ELISA methodology quantifies a demyelination marker in experimental and clinical samples. <i>Journal of Immunological Methods</i> , <b>2018</b> , 455, 80-87	2.5	4
172	Amino acid sequence conservation of the algescic fragment of myelin basic protein is required for its interaction with CDK5 and function in pain. <i>FEBS Journal</i> , <b>2018</b> , 285, 3485-3502	5.7	4
171	Acute- and late-phase matrix metalloproteinase (MMP)-9 activity is comparable in female and male rats after peripheral nerve injury. <i>Journal of Neuroinflammation</i> , <b>2018</b> , 15, 89	10.1	16
170	Tissue inhibitors of metalloproteases strike a nerve. <i>Neural Regeneration Research</i> , <b>2018</b> , 13, 1890-1892	4.5	2
169	Zika Virus: Origins, Pathological Action, and Treatment Strategies. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 3253-7	3.7	24
168	Coordinated histone modifications and chromatin reorganization in a single cell revealed by FRET biosensors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E11681-E11690	11.5	25
167	Structural homology of myelin basic protein and muscarinic acetylcholine receptor: Significance in the pathogenesis of complex regional pain syndrome. <i>Molecular Pain</i> , <b>2018</b> , 14, 1744806918815005	3.4	6
166	Interaction of the cryptic fragment of myelin basic protein with mitochondrial voltage-dependent anion-selective channel-1 affects cell energy metabolism. <i>Biochemical Journal</i> , <b>2018</b> , 475, 2355-2376	3.8	3
165	Characterization of the Zika virus two-component NS2B-NS3 protease and structure-assisted identification of allosteric small-molecule antagonists. <i>Antiviral Research</i> , <b>2017</b> , 143, 218-229	10.8	76
164	Matrix metalloproteinases - From the cleavage data to the prediction tools and beyond. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2017</b> , 1864, 1952-1963	4.9	24
163	Repurposing of the anti-malaria drug chloroquine for Zika Virus treatment and prophylaxis. <i>Scientific Reports</i> , <b>2017</b> , 7, 15771	4.9	91

162	Reciprocal relationship between membrane type 1 matrix metalloproteinase and the algescic peptides of myelin basic protein contributes to chronic neuropathic pain. <i>Brain, Behavior, and Immunity</i> , <b>2017</b> , 60, 282-292	16.6	15
161	Selective function-blocking monoclonal human antibody highlights the important role of membrane type-1 matrix metalloproteinase (MT1-MMP) in metastasis. <i>Oncotarget</i> , <b>2017</b> , 8, 2781-2799	3.3	29
160	Spinal activity of interleukin 6 mediates myelin basic protein-induced allodynia. <i>Brain, Behavior, and Immunity</i> , <b>2016</b> , 56, 378-89	16.6	22
159	Role of myelin auto-antigens in pain: a female connection. <i>Neural Regeneration Research</i> , <b>2016</b> , 11, 890-14.5	14.5	15
158	Active-site MMP-selective antibody inhibitors discovered from convex paratope synthetic libraries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 14970-14975	11.5	46
157	Mycoplasma CG- and GATC-specific DNA methyltransferases selectively and efficiently methylate the host genome and alter the epigenetic landscape in human cells. <i>Epigenetics</i> , <b>2015</b> , 10, 303-18	5.7	28
156	Activatable and Cell-Penetrable Multiplex FRET Nanosensor for Profiling MT1-MMP Activity in Single Cancer Cells. <i>Nano Letters</i> , <b>2015</b> , 15, 5025-32	11.5	42
155	The calcium-binding proteins S100A8 and S100A9 initiate the early inflammatory program in injured peripheral nerves. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 11771-84	5.4	42
154	High-Throughput Multiplexed Peptide-Centric Profiling Illustrates Both Substrate Cleavage Redundancy and Specificity in the MMP Family. <i>Chemistry and Biology</i> , <b>2015</b> , 22, 1122-33		21
153	Matrix Metalloproteinase (MMP) Proteolysis of the Extracellular Loop of Voltage-gated Sodium Channels and Potential Alterations in Pain Signaling. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 22939-44	5.4	8
152	The alternatively spliced fibronectin CS1 isoform regulates IL-17A levels and mechanical allodynia after peripheral nerve injury. <i>Journal of Neuroinflammation</i> , <b>2015</b> , 12, 158	10.1	12
151	Epigenetic inactivation of the extracellular matrix metalloproteinase ADAMTS19 gene and the metastatic spread in colorectal cancer. <i>Clinical Epigenetics</i> , <b>2015</b> , 7, 124	7.7	23
150	Matrix metalloproteinase-14 both sheds cell surface neuronal glial antigen 2 (NG2) proteoglycan on macrophages and governs the response to peripheral nerve injury. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 3693-707	5.4	34
149	A humanized leucine zipper-TRAIL hybrid induces apoptosis of tumors both in vitro and in vivo. <i>PLoS ONE</i> , <b>2015</b> , 10, e0122980	3.7	3
148	Depletion of CG-Specific Methylation in Mycoplasma hyorhinis Genomic DNA after Host Cell Invasion. <i>PLoS ONE</i> , <b>2015</b> , 10, e0142529	3.7	9
147	Methylation of MGMT and ADAMTS14 in normal colon mucosa: biomarkers of a field defect for cancerization preferentially targeting elder African-Americans. <i>Oncotarget</i> , <b>2015</b> , 6, 3420-31	3.3	21
146	Secondary Analysis of the NCI-60 Whole Exome Sequencing Data Indicates Significant Presence of Propionibacterium acnes Genomic Material in Leukemia (RPMI-8226) and Central Nervous System (SF-295, SF-539, and SNB-19) Cell Lines. <i>PLoS ONE</i> , <b>2015</b> , 10, e0127799	3.7	0
145	Identification of Annexin A4 as a hepatopancreas factor involved in liver cell survival. <i>Developmental Biology</i> , <b>2014</b> , 395, 96-110	3.1	32

144	Basis for substrate recognition and distinction by matrix metalloproteinases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, E4148-55	11.5	49
143	Downstream signaling and genome-wide regulatory effects of PTK7 pseudokinase and its proteolytic fragments in cancer cells. <i>Cell Communication and Signaling</i> , <b>2014</b> , 12, 15	7.5	16
142	Protein-tyrosine pseudokinase 7 (PTK7) directs cancer cell motility and metastasis. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 24238-49	5.4	39
141	Distinct interactions with cellular E-cadherin of the two virulent metalloproteinases encoded by a <i>Bacteroides fragilis</i> pathogenicity island. <i>PLoS ONE</i> , <b>2014</b> , 9, e113896	3.7	22
140	Peptide Sequence Region That is Essential for the Interactions of the Enterotoxigenic <i>Bacteroides fragilis</i> Metalloproteinase II with E-cadherin <b>2014</b> , 1, 3-14		2
139	Substrate cleavage profiling suggests a distinct function of <i>Bacteroides fragilis</i> metalloproteinases (fragilysin and metalloproteinase II) at the microbiome-inflammation-cancer interface. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 34956-67	5.4	21
138	Non-destructive and selective imaging of the functionally active, pro-invasive membrane type-1 matrix metalloproteinase (MT1-MMP) enzyme in cancer cells. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 20568-80	5.4	13
137	A monoclonal antibody interferes with TIMP-2 binding and incapacitates the MMP-2-activating function of multifunctional, pro-tumorigenic MMP-14/MT1-MMP. <i>Oncogenesis</i> , <b>2013</b> , 2, e80	6.6	34
136	Targeting the T-cell membrane type-1 matrix metalloproteinase-CD44 axis in a transferred type 1 diabetes model in NOD mice. <i>Experimental and Therapeutic Medicine</i> , <b>2013</b> , 5, 438-442	2.1	8
135	High-resolution analysis and functional mapping of cleavage sites and substrate proteins of furin in the human proteome. <i>PLoS ONE</i> , <b>2013</b> , 8, e54290	3.7	43
134	Quantitative FRET imaging to visualize the invasiveness of live breast cancer cells. <i>PLoS ONE</i> , <b>2013</b> , 8, e58569	3.7	21
133	Novel MT1-MMP small-molecule inhibitors based on insights into hemopexin domain function in tumor growth. <i>Cancer Research</i> , <b>2012</b> , 72, 2339-49	10.1	93
132	Immunodominant fragments of myelin basic protein initiate T cell-dependent pain. <i>Journal of Neuroinflammation</i> , <b>2012</b> , 9, 119	10.1	43
131	The MMP-9/TIMP-1 axis controls the status of differentiation and function of myelin-forming Schwann cells in nerve regeneration. <i>PLoS ONE</i> , <b>2012</b> , 7, e33664	3.7	68
130	New details of HCV NS3/4A proteinase functionality revealed by a high-throughput cleavage assay. <i>PLoS ONE</i> , <b>2012</b> , 7, e35759	3.7	27
129	Probing of exosites leads to novel inhibitor scaffolds of HCV NS3/4A proteinase. <i>PLoS ONE</i> , <b>2012</b> , 7, e40629	3.7	3
128	Insights into ectodomain shedding and processing of protein-tyrosine pseudokinase 7 (PTK7). <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 42009-18	5.4	23
127	Activity, specificity, and probe design for the smallpox virus protease K7L. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 39470-9	5.4	11

126	Virtual ligand screening of the National Cancer Institute (NCI) compound library leads to the allosteric inhibitory scaffolds of the West Nile Virus NS3 proteinase. <i>Assay and Drug Development Technologies</i> , <b>2011</b> , 9, 69-78	2.1	35
125	Matrix metalloproteinase proteolysis of the mycobacterial HSP65 protein as a potential source of immunogenic peptides in human tuberculosis. <i>FEBS Journal</i> , <b>2011</b> , 278, 3277-86	5.7	10
124	Targeting metalloproteins by fragment-based lead discovery. <i>Chemical Biology and Drug Design</i> , <b>2011</b> , 78, 211-23	2.9	13
123	Intradomain cleavage of inhibitory prodomain is essential to protumorigenic function of membrane type-1 matrix metalloproteinase (MT1-MMP) in vivo. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 34215-23	5.4	13
122	The acidic sequence of the NS4A cofactor regulates ATP hydrolysis by the HCV NS3 helicase. <i>Archives of Virology</i> , <b>2011</b> , 156, 313-8	2.6	7
121	Epigenetic regulation of matrix metalloproteinases and their collagen substrates in cancer. <i>Biomolecular Concepts</i> , <b>2011</b> , 2, 135-147	3.7	49
120	Dynamic interdomain interactions contribute to the inhibition of matrix metalloproteinases by tissue inhibitors of metalloproteinases. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 21002-12	5.4	11
119	Potential relation of aberrant proteolysis of human protein tyrosine kinase 7 (PTK7) chuzhoi by membrane type 1 matrix metalloproteinase (MT1-MMP) to congenital defects. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 20970-6	5.4	20
118	A femtomol range FRET biosensor reports exceedingly low levels of cell surface furin: implications for the processing of anthrax protective antigen. <i>PLoS ONE</i> , <b>2010</b> , 5, e11305	3.7	9
117	Biochemical characterization of the cellular glycosylphosphatidylinositol-linked membrane type-6 matrix metalloproteinase. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 16076-86	5.4	24
116	Structural and functional parameters of the flaviviral protease: a promising antiviral drug target. <i>Future Virology</i> , <b>2010</b> , 5, 593-606	2.4	15
115	Simultaneous visualization of protumorigenic Src and MT1-MMP activities with fluorescence resonance energy transfer. <i>Cancer Research</i> , <b>2010</b> , 70, 2204-12	10.1	95
114	Internal cleavages of the autoinhibitory prodomain are required for membrane type 1 matrix metalloproteinase activation, although furin cleavage alone generates inactive proteinase. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 27726-36	5.4	18
113	Microarray-based transcriptional and epigenetic profiling of matrix metalloproteinases, collagens, and related genes in cancer. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 19647-59	5.4	35
112	The Wnt/planar cell polarity protein-tyrosine kinase-7 (PTK7) is a highly efficient proteolytic target of membrane type-1 matrix metalloproteinase: implications in cancer and embryogenesis. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 35740-9	5.4	65
111	Selective and potent furin inhibitors protect cells from anthrax without significant toxicity. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2010</b> , 42, 987-95	5.6	33
110	Timp-2 binding with cellular MT1-MMP stimulates invasion-promoting MEK/ERK signaling in cancer cells. <i>International Journal of Cancer</i> , <b>2010</b> , 126, 1067-78	7.5	47
109	Isolation and characterization of selective and potent human Fab inhibitors directed to the active-site region of the two-component NS2B-NS3 proteinase of West Nile virus. <i>Biochemical Journal</i> , <b>2010</b> , 427, 369-76	3.8	6

108	Proteolytic and non-proteolytic roles of membrane type-1 matrix metalloproteinase in malignancy. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2010</b> , 1803, 133-41	4.9	83
107	Matrix metalloproteinase proteolysis of the myelin basic protein isoforms is a source of immunogenic peptides in autoimmune multiple sclerosis. <i>PLoS ONE</i> , <b>2009</b> , 4, e4952	3.7	67
106	Inflammatory proprotein convertase-matrix metalloproteinase proteolytic pathway in antigen-presenting cells as a step to autoimmune multiple sclerosis. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 30615-26	5.4	35
105	Autocatalytic activation of the furin zymogen requires removal of the emerging enzyme's N-terminus from the active site. <i>PLoS ONE</i> , <b>2009</b> , 4, e5031	3.7	19
104	Engineering a leucine zipper-TRAIL homotrimer with improved cytotoxicity in tumor cells. <i>Molecular Cancer Therapeutics</i> , <b>2009</b> , 8, 1515-25	6.1	32
103	NS4A regulates the ATPase activity of the NS3 helicase: a novel cofactor role of the non-structural protein NS4A from West Nile virus. <i>Journal of General Virology</i> , <b>2009</b> , 90, 2081-5	4.9	59
102	Crystal and solution structures of a prokaryotic M16B peptidase: an open and shut case. <i>Structure</i> , <b>2009</b> , 17, 1465-75	5.2	24
101	Structure-activity relationship and improved hydrolytic stability of pyrazole derivatives that are allosteric inhibitors of West Nile Virus NS2B-NS3 proteinase. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2009</b> , 19, 5773-7	2.9	57
100	Epigenetic control of the invasion-promoting MT1-MMP/MMP-2/TIMP-2 axis in cancer cells. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 12727-34	5.4	85
99	Matrix metalloproteinases, T cell homing and beta-cell mass in type 1 diabetes. <i>Vitamins and Hormones</i> , <b>2009</b> , 80, 541-62	2.5	12
98	Human beta-cell precursors mature into functional insulin-producing cells in an immunoisolation device: implications for diabetes cell therapies. <i>Transplantation</i> , <b>2009</b> , 87, 983-91	1.8	86
97	Biochemical evidence of the interactions of membrane type-1 matrix metalloproteinase (MT1-MMP) with adenine nucleotide translocator (ANT): potential implications linking proteolysis with energy metabolism in cancer cells. <i>Biochemical Journal</i> , <b>2009</b> , 420, 37-47	3.8	10
96	Insights into RNA unwinding and ATP hydrolysis by the flavivirus NS3 protein. <i>EMBO Journal</i> , <b>2008</b> , 27, 3209-19	13	180
95	Delayed administration of a matrix metalloproteinase inhibitor limits progressive brain injury after hypoxia-ischemia in the neonatal rat. <i>Journal of Neuroinflammation</i> , <b>2008</b> , 5, 34	10.1	52
94	Structure-based mutagenesis identifies important novel determinants of the NS2B cofactor of the West Nile virus two-component NS2B-NS3 proteinase. <i>Journal of General Virology</i> , <b>2008</b> , 89, 636-641	4.9	26
93	Tissue inhibitor of metalloproteinases-2 binding to membrane-type 1 matrix metalloproteinase induces MAPK activation and cell growth by a non-proteolytic mechanism. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 87-99	5.4	86
92	Interaction of hepatitis B viral oncoprotein with cellular target HBXIP dysregulates centrosome dynamics and mitotic spindle formation. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 2793-803	5.4	60
91	The two-component NS2B-NS3 proteinase represses DNA unwinding activity of the West Nile virus NS3 helicase. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 17270-8	5.4	33



90	Molecular signature of MT1-MMP: transactivation of the downstream universal gene network in cancer. <i>Cancer Research</i> , <b>2008</b> , 68, 4086-96	10.1	57
89	Substrate cleavage analysis of furin and related proprotein convertases. A comparative study. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 20897-906	5.4	109
88	Rhodanine derivatives as selective protease inhibitors against bacterial toxins. <i>Chemical Biology and Drug Design</i> , <b>2008</b> , 71, 131-9	2.9	45
87	Structural evidence for regulation and specificity of flaviviral proteases and evolution of the Flaviviridae fold. <i>Protein Science</i> , <b>2007</b> , 16, 795-806	6.3	163
86	Defining the roles of T cell membrane proteinase and CD44 in type 1 diabetes. <i>IUBMB Life</i> , <b>2007</b> , 59, 6-13	4.7	16
85	HTS identifies novel and specific uncompetitive inhibitors of the two-component NS2B-NS3 proteinase of West Nile virus. <i>Assay and Drug Development Technologies</i> , <b>2007</b> , 5, 737-50	2.1	84
84	Targeting host cell furin proprotein convertases as a therapeutic strategy against bacterial toxins and viral pathogens. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 20847-53	5.4	84
83	Proteolysis of the membrane type-1 matrix metalloproteinase prodomain: implications for a two-step proteolytic processing and activation. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 36283-91	5.4	25
82	Specific inhibition of autoimmune T cell transmigration contributes to beta cell functionality and insulin synthesis in non-obese diabetic (NOD) mice. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 32106-11	5.4	6
81	Cleavage preference distinguishes the two-component NS2B-NS3 serine proteinases of Dengue and West Nile viruses. <i>Biochemical Journal</i> , <b>2007</b> , 401, 743-52	3.8	51
80	Proteolysis-driven oncogenesis. <i>Cell Cycle</i> , <b>2007</b> , 6, 147-50	4.7	23
79	Expression and purification of a two-component flaviviral proteinase resistant to autocleavage at the NS2B-NS3 junction region. <i>Protein Expression and Purification</i> , <b>2007</b> , 52, 334-9	2	25
78	Switching the substrate specificity of the two-component NS2B-NS3 flavivirus proteinase by structure-based mutagenesis. <i>Journal of Virology</i> , <b>2007</b> , 81, 4501-9	6.6	43
77	Matrix metalloproteinase 26 proteolysis of the NH2-terminal domain of the estrogen receptor beta correlates with the survival of breast cancer patients. <i>Cancer Research</i> , <b>2006</b> , 66, 2716-24	10.1	48
76	Mechanistic insights into targeting T cell membrane proteinase to promote islet beta-cell rejuvenation in type 1 diabetes. <i>FASEB Journal</i> , <b>2006</b> , 20, 1793-801	0.9	11
75	O-glycosylation regulates autolysis of cellular membrane type-1 matrix metalloproteinase (MT1-MMP). <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 16897-16905	5.4	43
74	Membrane type-1 matrix metalloproteinase confers aneuploidy and tumorigenicity on mammary epithelial cells. <i>Cancer Research</i> , <b>2006</b> , 66, 10460-5	10.1	32
73	Both PA63 and PA83 are endocytosed within an anthrax protective antigen mixed heptamer: a putative mechanism to overcome a furin deficiency. <i>Archives of Biochemistry and Biophysics</i> , <b>2006</b> , 446, 52-9	4.1	9

72	Anthrax lethal factor protease inhibitors: synthesis, SAR, and structure-based 3D QSAR studies. <i>Journal of Medicinal Chemistry</i> , <b>2006</b> , 49, 27-30	8.3	53
71	Cleavage targets and the D-arginine-based inhibitors of the West Nile virus NS3 processing proteinase. <i>Biochemical Journal</i> , <b>2006</b> , 393, 503-11	3.8	91
70	Interference with the complement system by tumor cell membrane type-1 matrix metalloproteinase plays a significant role in promoting metastasis in mice. <i>Cancer Research</i> , <b>2006</b> , 66, 6258-63	10.1	19
69	Furin regulates the intracellular activation and the uptake rate of cell surface-associated MT1-MMP. <i>Oncogene</i> , <b>2006</b> , 25, 5648-55	9.2	51
68	Mislocalization and unconventional functions of cellular MMPs in cancer. <i>Cancer and Metastasis Reviews</i> , <b>2006</b> , 25, 87-98	9.6	70
67	Efficient synthetic inhibitors of anthrax lethal factor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 9499-504	11.5	116
66	Membrane type-1 matrix metalloproteinase (MT1-MMP) protects malignant cells from tumoricidal activity of re-engineered anthrax lethal toxin. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2005</b> , 37, 142-54	5.6	9
65	Convergent evolution as a mechanism for pathogenic adaptation. <i>Trends in Microbiology</i> , <b>2005</b> , 13, 522-7	12.4	24
64	Nicotinic acetylcholine receptor-mediated stimulation of endothelial cells results in the arrest of haematopoietic progenitor cells on endothelium. <i>British Journal of Haematology</i> , <b>2005</b> , 129, 257-65	4.5	14
63	Membrane-type-1 matrix metalloproteinase confers tumorigenicity on nonmalignant epithelial cells. <i>Oncogene</i> , <b>2005</b> , 24, 1689-97	9.2	40
62	Membrane type-1 matrix metalloproteinase (MT1-MMP) exhibits an important intracellular cleavage function and causes chromosome instability. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 25079-86	5.4	80
61	A highly specific inhibitor of matrix metalloproteinase-9 rescues laminin from proteolysis and neurons from apoptosis in transient focal cerebral ischemia. <i>Journal of Neuroscience</i> , <b>2005</b> , 25, 6401-8	6.6	345
60	Inhibition of membrane type-1 matrix metalloproteinase by cancer drugs interferes with the homing of diabetogenic T cells into the pancreas. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 27755-8	5.4	24
59	The transmembrane domain is essential for the microtubular trafficking of membrane type-1 matrix metalloproteinase (MT1-MMP). <i>Journal of Cell Science</i> , <b>2005</b> , 118, 4975-84	5.3	61
58	Centrosomal pericentrin is a direct cleavage target of membrane type-1 matrix metalloproteinase in humans but not in mice: potential implications for tumorigenesis. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 42237-41	5.4	27
57	Prostaglandin FP agonists alter metalloproteinase gene expression in sclera. <i>Investigative Ophthalmology and Visual Science</i> , <b>2004</b> , 45, 4368-77		58
56	The low density lipoprotein receptor-related protein LRP is regulated by membrane type-1 matrix metalloproteinase (MT1-MMP) proteolysis in malignant cells. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 4260-8	5.4	104
55	Non-proteolytic, receptor/ligand interactions associate cellular membrane type-1 matrix metalloproteinase with the complement component C1q. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 50321-8	5.4	14



54	Cellular membrane type-1 matrix metalloproteinase (MT1-MMP) cleaves C3b, an essential component of the complement system. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 46551-7	5.4	30
53	Matrix metalloproteinase-26 is associated with estrogen-dependent malignancies and targets alpha1-antitrypsin serpin. <i>Cancer Research</i> , <b>2004</b> , 64, 8657-65	10.1	46
52	Prointegrin maturation follows rapid trafficking and processing of MT1-MMP in Furin-Negative Colon Carcinoma LoVo Cells. <i>Traffic</i> , <b>2004</b> , 5, 627-41	5.7	39
51	Membrane type-1 matrix metalloproteinase stimulates tumour cell-induced platelet aggregation: role of receptor glycoproteins. <i>British Journal of Pharmacology</i> , <b>2004</b> , 141, 241-52	8.6	80
50	Cell-surface-associated tissue transglutaminase is a target of MMP-2 proteolysis. <i>Biochemistry</i> , <b>2004</b> , 43, 11760-9	3.2	49
49	Beta-catenin regulates the gene of MMP-26, a novel metalloproteinase expressed both in carcinomas and normal epithelial cells. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2004</b> , 36, 942-56	5.6	80
48	Aberrant, persistent inclusion into lipid rafts limits the tumorigenic function of membrane type-1 matrix metalloproteinase in malignant cells. <i>Experimental Cell Research</i> , <b>2004</b> , 293, 81-95	4.2	62
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