

Motoharu Seiki

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/10472409/motoharu-seiki-publications-by-year.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

196
papers

16,006
citations

66
h-index

124
g-index

198
ext. papers

16,859
ext. citations

6.6
avg, IF

6.17
L-index

#	Paper	IF	Citations
196	Structural and thermodynamical insights into the binding and inhibition of FIH-1 by the N-terminal disordered region of Mint3. <i>Journal of Biological Chemistry</i> , 2021 , 297, 101304	5.4	4
195	Novel LAMC2 fusion protein has tumor-promoting properties in ovarian carcinoma. <i>Cancer Science</i> , 2021 , 112, 4957-4967	6.9	1
194	Pharmacological inhibition of Mint3 attenuates tumour growth, metastasis, and endotoxic shock. <i>Communications Biology</i> , 2021 , 4, 1165	6.7	1
193	Mint3 depletion-mediated glycolytic and oxidative alterations promote pyroptosis and prevent the spread of <i>Listeria monocytogenes</i> infection in macrophages. <i>Cell Death and Disease</i> , 2021 , 12, 404	9.8	3
192	Serum Laminin α Monomer as a Diagnostic and Predictive Biomarker for Hepatocellular Carcinoma. <i>Hepatology</i> , 2021 , 74, 760-775	11.2	5
191	EXOSC9 depletion attenuates P-body formation, stress resistance, and tumorigenicity of cancer cells. <i>Scientific Reports</i> , 2020 , 10, 9275	4.9	10
190	Endothelial MT1-MMP targeting limits intussusceptive angiogenesis and colitis via TSP1/nitric oxide axis. <i>EMBO Molecular Medicine</i> , 2020 , 12, e10862	12	21
189	Isolation of Highly Migratory and Invasive Cells in Three-Dimensional Gels. <i>Current Protocols in Cell Biology</i> , 2020 , 86, e103	2.3	3
188	Mint3 is dispensable for pancreatic and kidney functions in mice. <i>Biochemistry and Biophysics Reports</i> , 2020 , 24, 100872	2.2	2
187	NH-terminal fragment of ZF21 protein suppresses tumor invasion via inhibiting the interaction of ZF21 with FAK. <i>Cancer Science</i> , 2020 , 111, 4393-4404	6.9	4
186	Mint3 depletion restricts tumor malignancy of pancreatic cancer cells by decreasing SKP2 expression via HIF-1. <i>Oncogene</i> , 2020 , 39, 6218-6230	9.2	9
185	Unique Biological Activity and Potential Role of Monomeric Laminin- α as a Novel Biomarker for Hepatocellular Carcinoma: A Review. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	8
184	MT4-MMP deficiency increases patrolling monocyte recruitment to early lesions and accelerates atherosclerosis. <i>Nature Communications</i> , 2018 , 9, 910	17.4	21
183	Identification of Proteolytic Cleavage Sites of EphA2 by Membrane Type 1 Matrix Metalloproteinase on the Surface of Cancer Cells. <i>Methods in Molecular Biology</i> , 2018 , 1731, 29-37	1.4	0
182	Simple and cost-effective assay for isolating invasive living cells. <i>BioTechniques</i> , 2018 , 65, 137-142	2.5	3
181	Control of metastatic niche formation by targeting APBA3/Mint3 in inflammatory monocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E4416-E4424	11.5	18
180	Serum monomeric laminin- α as a novel biomarker for hepatocellular carcinoma. <i>Cancer Science</i> , 2017 , 108, 1432-1439	6.9	13

179	Development of a fully automated chemiluminescence immunoassay for urine monomeric laminin- α as a promising diagnostic tool of non-muscle invasive bladder cancer. <i>Biomarker Research</i> , 2017 , 5, 29	8	5
178	Integrated functions of membrane-type 1 matrix metalloproteinase in regulating cancer malignancy: Beyond a proteinase. <i>Cancer Science</i> , 2017 , 108, 1095-1100	6.9	36
177	Specific detection of soluble EphA2 fragments in blood as a new biomarker for pancreatic cancer. <i>Cell Death and Disease</i> , 2017 , 8, e3134	9.8	15
176	Mint3 in bone marrow-derived cells promotes lung metastasis in breast cancer model mice. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 490, 688-692	3.4	8
175	Developmental expression of membrane type 4-matrix metalloproteinase (Mt4-mmp/Mmp17) in the mouse embryo. <i>PLoS ONE</i> , 2017 , 12, e0184767	3.7	8
174	Mint3/Apba3 depletion ameliorates severe murine influenza pneumonia and macrophage cytokine production in response to the influenza virus. <i>Scientific Reports</i> , 2016 , 6, 37815	4.9	14
173	Cortactin promotes exosome secretion by controlling branched actin dynamics. <i>Journal of Cell Biology</i> , 2016 , 214, 197-213	7.3	159
172	NECAB3 Promotes Activation of Hypoxia-inducible factor-1 during Normoxia and Enhances Tumorigenicity of Cancer Cells. <i>Scientific Reports</i> , 2016 , 6, 22784	4.9	21
171	Matrix metalloproteinase-14 mediates formation of bile ducts and hepatic maturation of fetal hepatic progenitor cells. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 469, 1062-8	3.4	7
170	Matrix metalloproteinase 14 modulates signal transduction and angiogenesis in the cornea. <i>Survey of Ophthalmology</i> , 2016 , 61, 478-97	6.1	30
169	New insight into the role of MMP14 in metabolic balance. <i>PeerJ</i> , 2016 , 4, e2142	3.1	16
168	The ERK signaling target RNF126 regulates anoikis resistance in cancer cells by changing the mitochondrial metabolic flux. <i>Cell Discovery</i> , 2016 , 2, 16019	22.3	32
167	Mint3 potentiates TLR3/4- and RIG-I-induced IFN- λ expression and antiviral immune responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 11925-11930	11.5	17
166	Proteolysis of EphA2 Converts It from a Tumor Suppressor to an Oncoprotein. <i>Cancer Research</i> , 2015 , 75, 3327-39	10.1	27
165	Deficiency of MMP17/MT4-MMP proteolytic activity predisposes to aortic aneurysm in mice. <i>Circulation Research</i> , 2015 , 117, e13-26	15.7	36
164	Urinary laminin- α is a novel biomarker of non-muscle invasive urothelial carcinoma. <i>Cancer Science</i> , 2015 , 106, 1730-7	6.9	14
163	Evidence for the Involvement of MMP14 in MMP2 Processing and Recruitment in Exosomes of Corneal Fibroblasts. <i>Investigative Ophthalmology and Visual Science</i> , 2015 , 56, 5323-9		46
162	Investigation of a MMP-2 activity-dependent anchoring probe for nuclear imaging of cancer. <i>PLoS ONE</i> , 2014 , 9, e102180	3.7	3

161	Basal localization of MT1-MMP is essential for epithelial cell morphogenesis in 3D collagen matrix. <i>Journal of Cell Science</i> , 2014 , 127, 1203-13	5.3	15
160	Transmembrane/cytoplasmic, rather than catalytic, domains of Mmp14 signal to MAPK activation and mammary branching morphogenesis via binding to integrin β . <i>Development (Cambridge)</i> , 2013 , 140, 343-52	6.6	75
159	Critical role of transient activity of MT1-MMP for ECM degradation in invadopodia. <i>PLoS Computational Biology</i> , 2013 , 9, e1003086	5	35
158	CDCP1 regulates the function of MT1-MMP and invadopodia-mediated invasion of cancer cells. <i>Molecular Cancer Research</i> , 2013 , 11, 628-37	6.6	30
157	The phosphoinositide-binding protein ZF21 regulates ECM degradation by invadopodia. <i>PLoS ONE</i> , 2013 , 8, e50825	3.7	9
156	Membrane-type Matrix Metalloproteinase 2 2013 , 815-817		
155	Membrane-type Matrix Metalloproteinase 1 2013 , 804-814		
154	Mathematical modeling of invadopodia formation. <i>Journal of Theoretical Biology</i> , 2012 , 298, 138-46	2.3	14
153	MT1-MMP plays a critical role in hematopoiesis by regulating HIF-mediated chemokine/cytokine gene transcription within niche cells. <i>Blood</i> , 2012 , 119, 5405-16	2.2	37
152	Control and inhibition analysis of complex formation processes. <i>Theoretical Biology and Medical Modelling</i> , 2012 , 9, 33	2.3	4
151	Detection of the heterogeneous O-glycosylation profile of MT1-MMP expressed in cancer cells by a simple MALDI-MS method. <i>PLoS ONE</i> , 2012 , 7, e43751	3.7	11
150	Identification of proteins that associate with integrin β by proteomic analysis in human fibrosarcoma HT-1080 cells. <i>Journal of Cellular Physiology</i> , 2012 , 227, 3072-9	7	7
149	The proteolytic activity of MT4-MMP is required for its pro-angiogenic and pro-metastatic promoting effects. <i>International Journal of Cancer</i> , 2012 , 131, 1537-48	7.5	19
148	MT1-MMP Plays a Critical Role in Hematopoiesis by Regulating HIF-Mediated Chemo-/Cytokine Gene Transcription within Niche Cells.. <i>Blood</i> , 2012 , 120, 2351-2351	2.2	1
147	Genetic dissection of proteolytic and non-proteolytic contributions of MT1-MMP to macrophage invasion. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 413, 277-81	3.4	20
146	Membrane-type 4 matrix metalloproteinase (MT4-MMP) modulates water homeostasis in mice. <i>PLoS ONE</i> , 2011 , 6, e17099	3.7	9
145	Dimerization of MT1-MMP during cellular invasion detected by fluorescence resonance energy transfer. <i>Biochemical Journal</i> , 2011 , 440, 319-26	3.8	25
144	Proteolytic activation of heparin-binding EGF-like growth factor by membrane-type matrix metalloproteinase-1 in ovarian carcinoma cells. <i>Cancer Science</i> , 2011 , 102, 111-6	6.9	24

143	Deletion of the Mint3/Apba3 gene in mice abrogates macrophage functions and increases resistance to lipopolysaccharide-induced septic shock. <i>Journal of Biological Chemistry</i> , 2011 , 286, 32542-51	5.4	27
142	Targeting the Warburg effect that arises in tumor cells expressing membrane type-1 matrix metalloproteinase. <i>Journal of Biological Chemistry</i> , 2011 , 286, 14691-704	5.4	58
141	MT1-MMP Regulates Hematopoiesis Through HIF-Mediated Chemo-/Cytokine Release From the Bone Marrow Niche,. <i>Blood</i> , 2011 , 118, 3409-3409	2.2	
140	Membrane type 1-matrix metalloproteinase cleaves off the NH2-terminal portion of heparin-binding epidermal growth factor and converts it into a heparin-independent growth factor. <i>Cancer Research</i> , 2010 , 70, 6093-103	10.1	41
139	ZF21 protein regulates cell adhesion and motility. <i>Journal of Biological Chemistry</i> , 2010 , 285, 21013-22	5.4	16
138	A membrane protease regulates energy production in macrophages by activating hypoxia-inducible factor-1 via a non-proteolytic mechanism. <i>Journal of Biological Chemistry</i> , 2010 , 285, 29951-64	5.4	73
137	MT1-MMP-mediated basement membrane remodeling modulates renal development. <i>Experimental Cell Research</i> , 2010 , 316, 2993-3005	4.2	19
136	MT1-MMP Plays a Critical Role In the Modulation of Hematopoiesis.. <i>Blood</i> , 2010 , 116, 3851-3851	2.2	
135	A novel protein associated with membrane-type 1 matrix metalloproteinase binds p27(kip1) and regulates RhoA activation, actin remodeling, and matrigel invasion. <i>Journal of Biological Chemistry</i> , 2009 , 284, 27315-26	5.4	52
134	Identification and characterization of Lutheran blood group glycoprotein as a new substrate of membrane-type 1 matrix metalloproteinase 1 (MT1-MMP): a systemic whole cell analysis of MT1-MMP-associating proteins in A431 cells. <i>Journal of Biological Chemistry</i> , 2009 , 284, 27360-9	5.4	17
133	Membrane type 1 matrix metalloproteinase is a crucial promoter of synovial invasion in human rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 2009 , 60, 686-97		86
132	Cytoplasmic tail of MT1-MMP regulates macrophage motility independently from its protease activity. <i>Genes To Cells</i> , 2009 , 14, 617-26	2.3	68
131	High throughput analysis of proteins associating with a proinvasive MT1-MMP in human malignant melanoma A375 cells. <i>Cancer Science</i> , 2009 , 100, 1284-90	6.9	27
130	Role of MT1-MMP in Tumor-Stromal Interaction 2009 , 86-91		
129	MT1-MMP Is Required for Hematopoietic Maturation in the BM Niche.. <i>Blood</i> , 2009 , 114, 3634-3634	2.2	
128	Homophilic complex formation is prerequisite for MT1-MMP to degrade type-I collagen on the cell surface. <i>International Journal of Experimental Pathology</i> , 2008 , 85, A42-A43	2.8	
127	The second dimer interface of MT1-MMP, the transmembrane domain, is essential for ProMMP-2 activation on the cell surface. <i>Journal of Biological Chemistry</i> , 2008 , 283, 13053-62	5.4	50
126	Regulated nucleo-cytoplasmic shuttling of human aci-reductone dioxygenase (hADI1) and its potential role in mRNA processing. <i>Genes To Cells</i> , 2007 , 12, 105-17	2.3	14

125	Establishment of an MT4-MMP-deficient mouse strain representing an efficient tracking system for MT4-MMP/MMP-17 expression in vivo using beta-galactosidase. <i>Genes To Cells</i> , 2007 , 12, 1091-100	2.3	33
124	Stroma-derived matrix metalloproteinase (MMP)-2 promotes membrane type 1-MMP-dependent tumor growth in mice. <i>Cancer Research</i> , 2007 , 67, 4311-9	10.1	69
123	Crosstalk between neovessels and mural cells directs the site-specific expression of MT1-MMP to endothelial tip cells. <i>Journal of Cell Science</i> , 2007 , 120, 1607-14	5.3	143
122	MT1-MMP: a potent modifier of pericellular microenvironment. <i>Journal of Cellular Physiology</i> , 2006 , 206, 1-8	7	393
121	Multifunctional roles of MT1-MMP in myofiber formation and morphostatic maintenance of skeletal muscle. <i>Journal of Cell Science</i> , 2006 , 119, 3822-32	5.3	97
120	Cell surface collagenolysis requires homodimerization of the membrane-bound collagenase MT1-MMP. <i>Molecular Biology of the Cell</i> , 2006 , 17, 5390-9	3.5	85
119	Negative regulation of osteoclastogenesis by ectodomain shedding of receptor activator of NF-kappaB ligand. <i>Journal of Biological Chemistry</i> , 2006 , 281, 36846-55	5.4	183
118	Membrane type 1 matrix metalloproteinase (MT1-MMP/MMP-14) cleaves and releases a 22-kDa extracellular matrix metalloproteinase inducer (EMMPRIN) fragment from tumor cells. <i>Journal of Biological Chemistry</i> , 2006 , 281, 37576-85	5.4	99
117	Type I collagen abrogates the clathrin-mediated internalization of membrane type 1 matrix metalloproteinase (MT1-MMP) via the MT1-MMP hemopexin domain. <i>Journal of Biological Chemistry</i> , 2006 , 281, 6826-40	5.4	44
116	Membrane-type 1 matrix metalloproteinase modulates focal adhesion stability and cell migration. <i>Experimental Cell Research</i> , 2006 , 312, 1381-9	4.2	85
115	CD44 binding through the hemopexin-like domain is critical for its shedding by membrane-type 1 matrix metalloproteinase. <i>Oncogene</i> , 2005 , 24, 859-68	9.2	84
114	Membrane-type matrix metalloproteinase-1 (MT1-MMP) is a processing enzyme for human laminin gamma 2 chain. <i>Journal of Biological Chemistry</i> , 2005 , 280, 88-93	5.4	101
113	Competitive disruption of the tumor-promoting function of membrane type 1 matrix metalloproteinase/matrix metalloproteinase-14 in vivo. <i>Molecular Cancer Therapeutics</i> , 2005 , 4, 1157-66	6.1	36
112	Palmitoylation at Cys574 is essential for MT1-MMP to promote cell migration. <i>FASEB Journal</i> , 2005 , 19, 1326-8	0.9	47
111	Membrane-type 1 matrix metalloproteinase cytoplasmic tail-binding protein-1 is a new member of the Cupin superfamily. A possible multifunctional protein acting as an invasion suppressor down-regulated in tumors. <i>Journal of Biological Chemistry</i> , 2004 , 279, 12734-43	5.4	58
110	Membrane type 1 matrix metalloproteinase regulates collagen-dependent mitogen-activated protein/extracellular signal-related kinase activation and cell migration. <i>Cancer Research</i> , 2004 , 64, 1044-9	10.1	86
109	Mutations in two matrix metalloproteinase genes, MMP-2 and MT1-MMP, are synthetic lethal in mice. <i>Oncogene</i> , 2004 , 23, 5041-8	9.2	116
108	MT1-MMP: an enzyme with multidimensional regulation. <i>Trends in Biochemical Sciences</i> , 2004 , 29, 285-9	10.3	64

107	Differences between scirrhous and non-scirrhous human gastric carcinomas from the aspect of proMMP-2 activation regulated by TIMP-3. <i>Clinical and Experimental Metastasis</i> , 2004 , 21, 223-33	4.7	8
106	Expression and localization of membrane-type-1 matrix metalloproteinase, CD 44, and laminin-5gamma2 chain during colorectal carcinoma tumor progression. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2004 , 445, 271-8	5.1	15
105	Constitutive and induced CD44 shedding by ADAM-like proteases and membrane-type 1 matrix metalloproteinase. <i>Cancer Research</i> , 2004 , 64, 876-82	10.1	115
104	Membrane-type matrix metalloproteinase 1 2004 , 544-549		
103	Membrane-type matrix metalloproteinase 3 2004 , 551-553		
102	Membrane-type matrix metalloproteinase 2 2004 , 549-551		
101	Preface: Membrane-associated proteases. <i>Cancer and Metastasis Reviews</i> , 2003 , 22, 127-128	9.6	
100	Role of pericellular proteolysis by membrane-type 1 matrix metalloproteinase in cancer invasion and angiogenesis. <i>Cancer and Metastasis Reviews</i> , 2003 , 22, 129-43	9.6	71
99	Roles of pericellular proteolysis by membrane type-1 matrix metalloproteinase in cancer invasion and angiogenesis. <i>Cancer Science</i> , 2003 , 94, 569-74	6.9	125
98	Cleavage of metastasis suppressor gene product KiSS-1 protein/metastin by matrix metalloproteinases. <i>Oncogene</i> , 2003 , 22, 4617-26	9.2	117
97	Sequence-specific silencing of MT1-MMP expression suppresses tumor cell migration and invasion: importance of MT1-MMP as a therapeutic target for invasive tumors. <i>Oncogene</i> , 2003 , 22, 8716-22	9.2	114
96	Tetraspanin CD63 promotes targeting and lysosomal proteolysis of membrane-type 1 matrix metalloproteinase. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 304, 160-6	3.4	76
95	Membrane-type 1 matrix metalloproteinase: a key enzyme for tumor invasion. <i>Cancer Letters</i> , 2003 , 194, 1-11	9.9	350
94	Proteomic Analysis of Protein Expressed in Odontoblastic Differentiation of Bovine Dental Pulp Cells.. <i>Japanese Journal of Oral Biology</i> , 2003 , 45, 1-7		1
93	Membrane-type 1 matrix metalloproteinase and cell migration. <i>Biochemical Society Symposia</i> , 2003 , 253-62		38
92	The cell surface: the stage for matrix metalloproteinase regulation of migration. <i>Current Opinion in Cell Biology</i> , 2002 , 14, 624-32	9	199
91	Identification of membrane-type matrix metalloproteinase-1 as a target of the beta-catenin/Tcf4 complex in human colorectal cancers. <i>Oncogene</i> , 2002 , 21, 5861-7	9.2	220
90	MT-MMPs play pivotal roles in cancer dissemination. <i>Clinical and Experimental Metastasis</i> , 2002 , 19, 209-157		70

89	CD44 directs membrane-type 1 matrix metalloproteinase to lamellipodia by associating with its hemopexin-like domain. <i>EMBO Journal</i> , 2002 , 21, 3949-59	13	256
88	Interferons inhibit tumor necrosis factor-alpha-mediated matrix metalloproteinase-9 activation via interferon regulatory factor-1 binding competition with NF-kappa B. <i>Journal of Biological Chemistry</i> , 2002 , 277, 35766-75	5.4	89
87	Two-step sandwich enzyme immunoassay using monoclonal antibodies for detection of soluble and membrane-associated human membrane type 1-matrix metalloproteinase. <i>Journal of Immunoassay and Immunochemistry</i> , 2002 , 23, 49-68	1.8	7
86	Membrane-Type Matrix Metalloproteinases 2002 , 109-125		
85	Expression of membrane-type 1 matrix metalloproteinase (MT1-MMP) mRNA in trophoblast and endometrial epithelial cell populations of the synepitheliochorial placenta of goats (<i>Capra hircus</i>). <i>Archives of Histology and Cytology</i> , 2001 , 64, 411-24		7
84	Significant correlation of monocyte chemoattractant protein-1 expression with neovascularization and progression of breast carcinoma. <i>Cancer</i> , 2001 , 92, 1085-91	6.4	239
83	Claudin promotes activation of pro-matrix metalloproteinase-2 mediated by membrane-type matrix metalloproteinases. <i>Journal of Biological Chemistry</i> , 2001 , 276, 28204-11	5.4	170
82	Cytoplasmic tail-dependent internalization of membrane-type 1 matrix metalloproteinase is important for its invasion-promoting activity. <i>Journal of Cell Biology</i> , 2001 , 155, 1345-56	7.3	204
81	Membrane-type 1 matrix metalloproteinase cleaves CD44 and promotes cell migration. <i>Journal of Cell Biology</i> , 2001 , 153, 893-904	7.3	607
80	The membrane-anchored MMP inhibitor RECK is a key regulator of extracellular matrix integrity and angiogenesis. <i>Cell</i> , 2001 , 107, 789-800	56.2	568
79	Transformation of Madin-Darby canine kidney (MDCK) epithelial cells by Epstein-Barr virus latent membrane protein 1 (LMP1) induces expression of Ets1 and invasive growth. <i>Oncogene</i> , 2000 , 19, 1764-71 ²	9.2	81
78	Expression and tissue localization of membrane-types 1, 2, and 3 matrix metalloproteinases in rheumatoid synovium. <i>Laboratory Investigation</i> , 2000 , 80, 677-87	5.9	66
77	Enhanced production and activation of progelatinase A mediated by membrane-type 1 matrix metalloproteinase in human oral squamous cell carcinomas: implications for lymph node metastasis. <i>Clinical and Experimental Metastasis</i> , 2000 , 18, 179-88	4.7	53
76	Heat shock-mediated transient increase in intracellular 3',5'-cyclic AMP results in tumor specific suppression of membrane type 1-matrix metalloproteinase production and progelatinase A activation. <i>Clinical and Experimental Metastasis</i> , 2000 , 18, 131-8	4.7	15
75	Identification of cis-acting promoter elements that support expression of membrane-type 1 matrix metalloproteinase (MT1-MMP) in v-src transformed Madin-Darby canine kidney cells. <i>Clinical and Experimental Metastasis</i> , 2000 , 18, 675-81	4.7	13
74	Matrix metalloproteinases and tissue inhibitor of metalloproteinase-2 in fetal rabbit lung. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2000 , 279, L555-61	5.8	56
73	Human membrane type-2 matrix metalloproteinase is defective in cell-associated activation of progelatinase A. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 267, 796-800	3.4	24
72	Membrane-type 6 matrix metalloproteinase (MT6-MMP, MMP-25) is the second glycosyl-phosphatidyl inositol (GPI)-anchored MMP. <i>FEBS Letters</i> , 2000 , 480, 142-6	3.8	99

71	Furin-independent pathway of membrane type 1-matrix metalloproteinase activation in rabbit dermal fibroblasts. <i>Journal of Biological Chemistry</i> , 1999 , 274, 37280-4	5.4	43
70	Membrane type 4 matrix metalloproteinase (MT4-MMP, MMP-17) is a glycosylphosphatidylinositol-anchored proteinase. <i>Journal of Biological Chemistry</i> , 1999 , 274, 34260-6	5.4	130
69	Development and application of a microplate assay method for the mass screening of MMP inhibitors. <i>Annals of the New York Academy of Sciences</i> , 1999 , 878, 622-4	6.5	1
68	Transient increase of intracellular cAMP by heat shock initiates the suppression of MT1-MMP production in tumor cells. <i>Annals of the New York Academy of Sciences</i> , 1999 , 878, 707-9	6.5	1
67	Cell type-specific involvement of furin in membrane type 1 matrix metalloproteinase-mediated progelatinase A activation. <i>Annals of the New York Academy of Sciences</i> , 1999 , 878, 713-5	6.5	10
66	Membrane-type matrix metalloproteinases. <i>Apmis</i> , 1999 , 107, 137-43	3.4	251
65	Significance of membrane type 1 matrix metalloproteinase expression in breast cancer. <i>Japanese Journal of Cancer Research</i> , 1999 , 90, 516-22		30
64	Shedding of membrane type 1 matrix metalloproteinase in a human breast carcinoma cell line. <i>Japanese Journal of Cancer Research</i> , 1999 , 90, 942-50		26
63	Ras pathway is required for the activation of MMP-2 secretion and for the invasion of src-transformed 3Y1. <i>Oncogene</i> , 1999 , 18, 6555-63	9.2	34
62	Induction of membrane-type matrix metalloproteinase-1 stimulates angiogenic activities of bovine aortic endothelial cells. <i>Angiogenesis</i> , 1999 , 3, 167-74	10.6	14
61	Overexpression of tissue inhibitor of matrix metalloproteinases-1 (TIMP-1) in metastatic MDCK cells transformed by v-src. <i>Clinical and Experimental Metastasis</i> , 1999 , 17, 105-10	4.7	20
60	Differentiation-dependent expression of gelatinase B/matrix metalloproteinase-9 in trophoblast cells. <i>Cell and Tissue Research</i> , 1999 , 295, 287-96	4.2	29
59	Characterization of a truncated recombinant form of human membrane type 3 matrix metalloproteinase. <i>FEBS Journal</i> , 1999 , 262, 907-14		79
58	Regulation of matrix metalloproteinase-2 (MMP-2) by hepatocyte growth factor/scatter factor (HGF/SF) in human glioma cells: HGF/SF enhances MMP-2 expression and activation accompanying up-regulation of membrane type-1 MMP. <i>International Journal of Cancer</i> , 1999 , 82, 274-81	7.5	60
57	Human membrane type-4 matrix metalloproteinase (MT4-MMP) is encoded by a novel major transcript: isolation of complementary DNA clones for human and mouse mt4-mmp transcripts. <i>FEBS Letters</i> , 1999 , 457, 353-6	3.8	32
56	Activation of matrix metalloproteinase-2 in human breast cancer cells overexpressing cyclooxygenase-1 or -2. <i>FEBS Letters</i> , 1999 , 460, 145-8	3.8	61
55	Expression and tissue localization of membrane-type 1, 2, and 3 matrix metalloproteinases in human astrocytic tumors. <i>American Journal of Pathology</i> , 1999 , 154, 417-28	5.8	187
54	Heat shock suppresses membrane type 1-matrix metalloproteinase production and progelatinase A activation in human fibrosarcoma HT-1080 cells and thereby inhibits cellular invasion. <i>Biochemical and Biophysical Research Communications</i> , 1999 , 265, 189-93	3.4	17

53	Tumor cell contact mediated transcriptional activation of the fibroblast matrix metalloproteinase-9 gene: involvement of multiple transcription factors including Ets and an alternating purine-pyrimidine repeat. <i>Clinical and Experimental Metastasis</i> , 1998 , 16, 169-77	4.7	49
52	Elevated cyclic AMP suppresses ConA-induced MT1-MMP expression in MDA-MB-231 human breast cancer cells. <i>Clinical and Experimental Metastasis</i> , 1998 , 16, 185-91	4.7	20
51	Ursolic acid-induced down-regulation of MMP-9 gene is mediated through the nuclear translocation of glucocorticoid receptor in HT1080 human fibrosarcoma cells. <i>Oncogene</i> , 1998 , 16, 771-8	9.2	85
50	Calmodulin antagonists increase the expression of membrane-type-1 matrix metalloproteinase in human uterine cervical fibroblasts. <i>FEBS Journal</i> , 1998 , 251, 353-8		15
49	The Ets-1 and Ets-2 transcription factors activate the promoters for invasion-associated urokinase and collagenase genes in response to epidermal growth factor. <i>International Journal of Cancer</i> , 1998 , 77, 128-37	7.5	156
48	Cloning of three <i>Caenorhabditis elegans</i> genes potentially encoding novel matrix metalloproteinases. <i>Gene</i> , 1998 , 211, 57-62	3.8	57
47	New collagenolytic enzymes/cascade identified at the pannus-hard tissue junction in rheumatoid arthritis: destruction from above. <i>Matrix Biology</i> , 1998 , 17, 585-601	11.4	78
46	MT1-MMP and MMP-2 mRNA expression in human ovarian tumors: possible implications for the role of desmoplastic fibroblasts. <i>Human Pathology</i> , 1998 , 29, 155-65	3.7	80
45	Membrane-type 1 MMP (MMP-14) cleaves at three sites in the aggrecan interglobular domain. <i>FEBS Letters</i> , 1998 , 430, 186-90	3.8	47
44	Expression of membrane-type matrix metalloproteinase-1 in human pancreatic adenocarcinomas. <i>Journal of Cancer Research and Clinical Oncology</i> , 1998 , 124, 65-72	4.9	29
43	EXPRESSION AND TISSUE LOCALIZATION OF MEMBRANE-TYPES 1, 2, AND 3 MATRIX METALLOPROTEINASES IN HUMAN UROTHELIAL CARCINOMAS. <i>Journal of Urology</i> , 1998 , 160, 1540-1545	2.5	44
42	Membrane type 1-matrix metalloproteinase is involved in the formation of hepatocyte growth factor/scatter factor-induced branching tubules in madin-darby canine kidney epithelial cells. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 251, 681-7	3.4	72
41	Membrane-type matrix metalloproteinase-1(MT1-MTP) gene is overexpressed in highly invasive hepatocellular carcinomas. <i>Journal of Hepatology</i> , 1998 , 28, 231-9	13.4	64
40	TIMP-2 promotes activation of progelatinase A by membrane-type 1 matrix metalloproteinase immobilized on agarose beads. <i>Journal of Biological Chemistry</i> , 1998 , 273, 16098-103	5.4	210
39	Production of membrane-type matrix metalloproteinase-1 (MT-MMP-1) in early human placenta. A possible role in placental implantation?. <i>Journal of Histochemistry and Cytochemistry</i> , 1998 , 46, 221-9	3.4	47
38	Role of tissue inhibitor of metalloproteinases-2 (TIMP-2) in regulation of pro-gelatinase A activation catalyzed by membrane-type matrix metalloproteinase-1 (MT1-MMP) in human cancer cells. <i>Journal of Biochemistry</i> , 1998 , 124, 462-70	3.1	78
37	EXPRESSION AND TISSUE LOCALIZATION OF MEMBRANE-TYPES 1, 2, AND 3 MATRIX METALLOPROTEINASES IN HUMAN UROTHELIAL CARCINOMAS. <i>Journal of Urology</i> , 1998 , 1540-1545	2.5	2
36	Membrane type 1 matrix metalloproteinase digests interstitial collagens and other extracellular matrix macromolecules. <i>Journal of Biological Chemistry</i> , 1997 , 272, 2446-51	5.4	726

35	Assignment of the human genes for membrane-type-1, -2, and -3 matrix metalloproteinases (MMP14, MMP15, and MMP16) to 14q12.2, 16q12.2-q21, and 8q21, respectively, by in situ hybridization. <i>Genomics</i> , 1997 , 39, 412-3	4.3	21
34	Proteolytic activation of the precursor of membrane type 1 matrix metalloproteinase by human plasmin. A possible cell surface activator. <i>FEBS Letters</i> , 1997 , 402, 181-4	3.8	103
33	Isolation of a mouse MT2-MMP gene from a lung cDNA library and identification of its product. <i>FEBS Letters</i> , 1997 , 402, 219-22	3.8	48
32	Calcium influx inhibits MT1-MMP processing and blocks MMP-2 activation. <i>FEBS Letters</i> , 1997 , 412, 568-72	3.8	29
31	Pulmonary metastatic lesion of endolymphatic stromal myosis expresses metastasis-related genes but not invasion-related matrix type metalloproteinase. <i>Cancer Letters</i> , 1997 , 112, 245-9	9.9	7
30	Transcriptional activation of the matrix metalloproteinase-9 gene in an H-ras and v-myc transformed rat embryo cell line. <i>Oncogene</i> , 1997 , 14, 1995-8	9.2	88
29	Induction of membrane-type matrix metalloproteinase 1 (MT1-MMP) expression in human fibroblasts by breast adenocarcinoma cells. <i>Clinical and Experimental Metastasis</i> , 1997 , 15, 157-63	4.7	29
28	MT1-MMP correlates with MMP-2 activation potential seen after epithelial to mesenchymal transition in human breast carcinoma cells. <i>Clinical and Experimental Metastasis</i> , 1997 , 15, 111-20	4.7	94
27	Increased expression of membrane type 1-matrix metalloproteinase in head and neck carcinoma. <i>Cancer</i> , 1997 , 79, 139-44	6.4	91
26	A BALB/c 3T3-transformed cell line suitable for transfection assay of metastasis-inducing genes. <i>International Journal of Cancer</i> , 1997 , 71, 88-93	7.5	7
25	Membrane-Type Matrix Metalloproteinases (MT-MMPs) in Cell Invasion. <i>Thrombosis and Haemostasis</i> , 1997 , 78, 497-500	7	91
24	Expression of c-fos gene inhibits proteoglycan synthesis in transfected chondrocyte. <i>FEBS Letters</i> , 1996 , 381, 222-6	3.8	22
23	Cell surface binding and activation of gelatinase A induced by expression of membrane-type-1-matrix metalloproteinase (MT1-MMP). <i>FEBS Letters</i> , 1996 , 385, 238-40	3.8	146
22	Activation of a recombinant membrane type 1-matrix metalloproteinase (MT1-MMP) by furin and its interaction with tissue inhibitor of metalloproteinases (TIMP)-2. <i>FEBS Letters</i> , 1996 , 393, 101-4	3.8	269
21	Activation of metalloproteinase-2 by membrane type metalloproteinase expressed on human mesangial cell membrane. <i>Contributions To Nephrology</i> , 1996 , 118, 135-40	1.6	4
20	Inhibition of metastasis in human gastric cancer cells transfected with tissue inhibitor of metalloproteinase 1 gene in nude mice. <i>Cancer</i> , 1996 , 77, 1676-80	6.4	41
19	Enhanced production of matrix metalloproteinases and activation of matrix metalloproteinase 2 (gelatinase A) in human gastric carcinomas. <i>International Journal of Cancer</i> , 1996 , 69, 9-16	7.5	124
18	Dual over-expression pattern of membrane-type metalloproteinase-1 in cancer and stromal cells in human gastrointestinal carcinoma revealed by in situ hybridization and immunoelectron microscopy. <i>International Journal of Cancer</i> , 1996 , 68, 565-70	7.5	66

17	Different metastatic potentials of ras- and src-transformed BALB/c 3T3 A31 variant cells. <i>Molecular Carcinogenesis</i> , 1996 , 15, 300-8	5	19
16	Stimulation of 92-kDa gelatinase B promoter activity by ras is mitogen-activated protein kinase kinase 1-independent and requires multiple transcription factor binding sites including closely spaced PEA3/ets and AP-1 sequences. <i>Journal of Biological Chemistry</i> , 1996 , 271, 10672-80	5.4	291
15	Inhibition of metastasis in human gastric cancer cells transfected with tissue inhibitor of metalloproteinase 1 gene in nude mice. <i>Cancer</i> , 1996 , 77, 1676-1680	6.4	54
14	Identification of the second membrane-type matrix metalloproteinase (MT-MMP-2) gene from a human placenta cDNA library. MT-MMPs form a unique membrane-type subclass in the MMP family. <i>Journal of Biological Chemistry</i> , 1995 , 270, 23013-20	5.4	366
13	Intermolecular autolytic cleavage can contribute to the activation of progelatinase A by cell membranes. <i>Journal of Biological Chemistry</i> , 1995 , 270, 30479-85	5.4	189
12	The C-terminal region of membrane type matrix metalloproteinase is a functional transmembrane domain required for pro-gelatinase A activation. <i>Journal of Biological Chemistry</i> , 1995 , 270, 801-5	5.4	210
11	Cloning of a human gene potentially encoding a novel matrix metalloproteinase having a C-terminal transmembrane domain. <i>Gene</i> , 1995 , 155, 293-8	3.8	76
10	Activation of the precursor of gelatinase A/72 kDa type IV collagenase/MMP-2 in lung carcinomas correlates with the expression of membrane-type matrix metalloproteinase (MT-MMP) and with lymph node metastasis. <i>International Journal of Cancer</i> , 1995 , 64, 355-9	7.5	240
9	Increased expression of matrix metalloproteinase-II in experimental liver fibrosis in rats. <i>Hepatology</i> , 1995 , 21, 787-795	11.2	151
8	Increased expression of matrix metalloproteinase-II in experimental liver fibrosis in rats 1995 , 21, 787		11
7	Expression of type-IV collagenases in human tumor cell lines that can form liver colonies in chick embryos. <i>International Journal of Cancer</i> , 1994 , 56, 46-51	7.5	29
6	A matrix metalloproteinase expressed on the surface of invasive tumour cells. <i>Nature</i> , 1994 , 370, 61-5	50.4	2242
5	Molecular mechanisms of regulation of HTLV-1 gene expression and its association with leukemogenesis. <i>Genome</i> , 1989 , 31, 662-7	2.4	25
4	Cell-line specific activation of SV40 transcriptional enhancer by p40tax of HTLV-1. <i>Japanese Journal of Cancer Research</i> , 1988 , 79, 800-4		7
3	Activation of T cell-derived lymphokine genes in T cells and fibroblasts: effects of human T cell leukemia virus type I p40x protein and bovine papilloma virus encoded E2 protein. <i>Nucleic Acids Research</i> , 1988 , 16, 6547-66	20.1	109
2	Evidence for aberrant activation of the interleukin-2 autocrine loop by HTLV-1-encoded p40x and T3/Ti complex triggering. <i>Cell</i> , 1987 , 48, 343-50	56.2	422
1	Two Step Activation of the Interleukin-2 Autocrine Loop May be Involved in ATL Development 1987 , 161-169		