Motoharu Seiki

List of Publications by Year
in descending order

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197 papers	18,209 citations	13827 67 h-index	13727 129 g-index
198 all docs	198 docs citations	198 times ranked	12222 citing authors

#	Article	IF	Citations
1	Metalloproteinase-Dependent and TMPRSS2-Independent Cell Surface Entry Pathway of SARS-CoV-2 Requires the Furin Cleavage Site and the S2 Domain of Spike Protein. MBio, 2022, 13, .	1.8	23
2	Mint3 depletion-mediated glycolytic and oxidative alterations promote pyroptosis and prevent the spread of Listeria monocytogenes infection in macrophages. Cell Death and Disease, 2021, 12, 404.	2.7	9
3	Serum Laminin Î³2 Monomer as a Diagnostic and Predictive Biomarker for Hepatocellular Carcinoma. Hepatology, 2021, 74, 760-775.	3.6	21
4	Structural and thermodynamical insights into the binding and inhibition of FIH-1 by the N-terminal disordered region of Mint3. Journal of Biological Chemistry, 2021, 297, 101304.	1.6	9
5	Novel LAMC2 fusion protein has tumorâ€promoting properties in ovarian carcinoma. Cancer Science, 2021, 112, 4957-4967.	1.7	13
6	Pharmacological inhibition of Mint3 attenuates tumour growth, metastasis, and endotoxic shock. Communications Biology, 2021, 4, 1165.	2.0	4
7	NH₂â€terminal fragment of ZF21 protein suppresses tumor invasion via inhibiting the interaction of ZF21 with FAK. Cancer Science, 2020, 111, 4393-4404.	1.7	6
8	Mint3 depletion restricts tumor malignancy of pancreatic cancer cells by decreasing SKP2 expression via HIF-1. Oncogene, 2020, 39, 6218-6230.	2.6	16
9	EXOSC9 depletion attenuates P-body formation, stress resistance, and tumorigenicity of cancer cells. Scientific Reports, 2020, 10, 9275.	1.6	18
10	Endothelial <scp>MT</scp> 1â€•<scp>MMP</scp> targeting limits intussusceptive angiogenesis and colitis via TSP1/nitric oxide axis. EMBO Molecular Medicine, 2020, 12, e10862.	3.3	33
11	Isolation of Highly Migratory and Invasive Cells in Threeâ€Dimensional Gels. Current Protocols in Cell Biology, 2020, 86, e103.	2.3	4
12	Mint3 is dispensable for pancreatic and kidney functions in mice. Biochemistry and Biophysics Reports, 2020, 24, 100872.	0.7	2
13	Unique Biological Activity and Potential Role of Monomeric Laminin-Î³2 as a Novel Biomarker for Hepatocellular Carcinoma: A Review. International Journal of Molecular Sciences, 2019, 20, 226.	1.8	14
14	MT4-MMP deficiency increases patrolling monocyte recruitment to early lesions and accelerates atherosclerosis. Nature Communications, 2018, 9, 910.	5.8	34
15	Identification of Proteolytic Cleavage Sites of EphA2 byÂMembrane Type 1 Matrix Metalloproteinase on theÂSurface of Cancer Cells. Methods in Molecular Biology, 2018, 1731, 29-37.	0.4	4
16	Simple and cost-effective assay for isolating invasive living cells. BioTechniques, 2018, 65, 137-142.	0.8	4
17	Control of metastatic niche formation by targeting APBA3/Mint3 in inflammatory monocytes. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E4416-E4424.	3.3	24
18	Serum monomeric lamininâ€Î³2 as a novel biomarker for hepatocellular carcinoma. Cancer Science, 2017, 108, 1432-1439.	1.7	21

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19	Integrated functions of membraneâ€type 1 matrix metalloproteinase in regulating cancer malignancy: Beyond a proteinase. Cancer Science, 2017, 108, 1095-1100.	1.7	45
20	Specific detection of soluble EphA2 fragments in blood as a new biomarker for pancreatic cancer. Cell Death and Disease, 2017, 8, e3134-e3134.	2.7	23
21	Mint3 in bone marrow-derived cells promotes lung metastasis in breast cancer model mice. Biochemical and Biophysical Research Communications, 2017, 490, 688-692.	1.0	10
22	Development of a fully automated chemiluminescence immunoassay for urine monomeric laminin-Î³2 as a promising diagnostic tool of non-muscle invasive bladder cancer. Biomarker Research, 2017, 5, 29.	2.8	8
23	Developmental expression of membrane type 4-matrix metalloproteinase (Mt4-mmp/Mmp17) in the mouse embryo. PLoS ONE, 2017, 12, e0184767.	1.1	13
24	The ERK signaling target RNF126 regulates anoikis resistance in cancer cells by changing the mitochondrial metabolic flux. Cell Discovery, 2016, 2, 16019.	3.1	40
25	Mint3 potentiates TLR3/4- and RIG-Iâ€"induced IFN-Î² expression and antiviral immune responses. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11925-11930.	3.3	20
26	Mint3/Apba3 depletion ameliorates severe murine influenza pneumonia and macrophage cytokine production in response to the influenza virus. Scientific Reports, 2016, 6, 37815.	1.6	15
27	Cortactin promotes exosome secretion by controlling branched actin dynamics. Journal of Cell Biology, 2016, 214, 197-213.	2.3	226
28	NECAB3 Promotes Activation of Hypoxia-inducible factor-1 during Normoxia and Enhances Tumourigenicity of Cancer Cells. Scientific Reports, 2016, 6, 22784.	1.6	30
29	Matrix metalloproteinase-14 mediates formation of bile ducts and hepatic maturation of fetal hepatic progenitor cells. Biochemical and Biophysical Research Communications, 2016, 469, 1062-1068.	1.0	8
30	Matrix metalloproteinase 14 modulates signal transduction and angiogenesis in the cornea. Survey of Ophthalmology, 2016, 61, 478-497.	1.7	47
31	New insight into the role of MMP14 in metabolic balance. PeerJ, 2016, 4, e2142.	0.9	21
32	Urinary lamininâ€Î³2 is a novel biomarker of nonâ€muscle invasive urothelial carcinoma. Cancer Science, 2015, 106, 1730-1737.	1.7	15
33	Proteolysis of EphA2 Converts It from a Tumor Suppressor to an Oncoprotein. Cancer Research, 2015, 75, 3327-3339.	0.4	39
34	Deficiency of MMP17/MT4-MMP Proteolytic Activity Predisposes to Aortic Aneurysm in Mice. Circulation Research, 2015, 117, e13-26.	2.0	53
35	Evidence for the involvement of MMP14 in MMP2 processing and recruitment in exosomes of corneal fibroblasts. Investigative Ophthalmology and Visual Science, 2015, 56, 5323-9.	3.3	57
36	Investigation of a MMP-2 Activity-Dependent Anchoring Probe for Nuclear Imaging of Cancer. PLoS ONE, 2014, 9, e102180.	1.1	5

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37	Basal localization of MT1-MMP is essential for epithelial cell morphogenesis in 3D collagen matrix. Journal of Cell Science, 2014, 127, 1203-13.	1.2	19
38	Transmembrane/cytoplasmic, rather than catalytic, domains of Mmp14 signal to MAPK activation and mammary branching morphogenesis via binding to integrin Î²1. Development (Cambridge), 2013, 140, 343-352.	1.2	91
39	Critical Role of Transient Activity of MT1-MMP for ECM Degradation in Invadopodia. PLoS Computational Biology, 2013, 9, e1003086.	1.5	38
40	CDCP1 Regulates the Function of MT1-MMP and Invadopodia-Mediated Invasion of Cancer Cells. Molecular Cancer Research, 2013, 11, 628-637.	1.5	34
41	The Phosphoinositide-Binding Protein ZF21 Regulates ECM Degradation by Invadopodia. PLoS ONE, 2013, 8, e50825.	1.1	10
42	Membrane-type Matrix Metalloproteinase 2. , 2013, , 815-817.		0
43	Membrane-type Matrix Metalloproteinase 1. , 2013, , 804-814.		0
44	MT1-MMP plays a critical role in hematopoiesis by regulating HIF-mediated chemokine/cytokine gene transcription within niche cells. Blood, 2012, 119, 5405-5416.	0.6	51
45	Control and inhibition analysis of complex formation processes. Theoretical Biology and Medical Modelling, 2012, 9, 33.	2.1	5
46	Detection of the Heterogeneous O-Glycosylation Profile of MT1-MMP Expressed in Cancer Cells by a Simple MALDI-MS Method. PLoS ONE, 2012, 7, e43751.	1.1	11
47	Identification of proteins that associate with integrin Î±2 by proteomic analysis in human fibrosarcoma HTâ€1080 cells. Journal of Cellular Physiology, 2012, 227, 3072-3079.	2.0	8
48	The proteolytic activity of MT4â€MMP is required for its proâ€angiogenic and proâ€metastatic promoting effects. International Journal of Cancer, 2012, 131, 1537-1548.	2.3	24
49	Mathematical modeling of invadopodia formation. Journal of Theoretical Biology, 2012, 298, 138-146.	0.8	21
50	MT1-MMP Plays a Critical Role in Hematopoiesis by Regulating HIF-Mediated Chemo-/Cytokine Gene Transcription within Niche Cells.. Blood, 2012, 120, 2351-2351.	0.6	1
51	Genetic dissection of proteolytic and non-proteolytic contributions of MT1-MMP to macrophage invasion. Biochemical and Biophysical Research Communications, 2011, 413, 277-281.	1.0	20
52	Membrane-Type 4 Matrix Metalloproteinase (MT4-MMP) Modulates Water Homeostasis in Mice. PLoS ONE, 2011, 6, e17099.	1.1	12
53	Dimerization of MT1-MMP during cellular invasion detected by fluorescence resonance energy transfer. Biochemical Journal, 2011, 440, 319-327.	1.7	33
54	Proteolytic activation of heparinâ€binding EGFâ€like growth factor by membraneâ€type matrix metalloproteinaseâ€1 in ovarian carcinoma cells. Cancer Science, 2011, 102, 111-116.	1.7	30

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55	Deletion of the Mint3/Apba3 Gene in Mice Abrogates Macrophage Functions and Increases Resistance to Lipopolysaccharide-induced Septic Shock. Journal of Biological Chemistry, 2011, 286, 32542-32551.	1.6	29
56	Targeting the Warburg Effect That Arises in Tumor Cells Expressing Membrane Type-1 Matrix Metalloproteinase. Journal of Biological Chemistry, 2011, 286, 14691-14704.	1.6	68
57	MT1-MMP Regulates Hematopoiesis Through HIF-Mediated Chemo-/Cytokine Release From the Bone Marrow Niche,. Blood, 2011, 118, 3409-3409.	0.6	0
58	MT1-MMP-mediated basement membrane remodeling modulates renal development. Experimental Cell Research, 2010, 316, 2993-3005.	1.2	24
59	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. Cancer Research, 2010, 70, 6093-6103.	0.4	47
60	ZF21 Protein Regulates Cell Adhesion and Motility. Journal of Biological Chemistry, 2010, 285, 21013-21022.	1.6	19
61	A Membrane Protease Regulates Energy Production in Macrophages by Activating Hypoxia-inducible Factor-1 via a Non-proteolytic Mechanism. Journal of Biological Chemistry, 2010, 285, 29951-29964.	1.6	82
62	MT1-MMP Plays a Critical Role In the Modulation of Hematopoiesis.. Blood, 2010, 116, 3851-3851.	0.6	0
63	A Novel Protein Associated with Membrane-type 1 Matrix Metalloproteinase Binds p27kip1 and Regulates RhoA Activation, Actin Remodeling, and Matrigel Invasion. Journal of Biological Chemistry, 2009, 284, 27315-27326.	1.6	56
64	Identification and Characterization of Lutheran Blood Group Glycoprotein as a New Substrate of Membrane-type 1 Matrix Metalloproteinase 1 (MT1-MMP). Journal of Biological Chemistry, 2009, 284, 27360-27369.	1.6	18
65	Membrane type 1 matrix metalloproteinase is a crucial promoter of synovial invasion in human rheumatoid arthritis. Arthritis and Rheumatism, 2009, 60, 686-697.	6.7	111
66	Cytoplasmic tail of MT1â€MMP regulates macrophage motility independently from its protease activity. Genes To Cells, 2009, 14, 617-626.	0.5	77
67	High throughput analysis of proteins associating with a proinvasive MT1â€MMP in human malignant melanoma A375 cells. Cancer Science, 2009, 100, 1284-1290.	1.7	29
68	Role of MT1-MMP in Tumor-Stromal Interaction. , 2009, , 86-91.		0
69	MT1-MMP Is Required for Hematopoietic Maturation in the BM Niche.. Blood, 2009, 114, 3634-3634.	0.6	0
70	Homophilic complex formation is prerequisite for MT1-MMP to degrade type-I collagen on the cell surface. International Journal of Experimental Pathology, 2008, 85, A42-A43.	0.6	0
71	The Second Dimer Interface of MT1-MMP, the Transmembrane Domain, Is Essential for ProMMP-2 Activation on the Cell Surface. Journal of Biological Chemistry, 2008, 283, 13053-13062.	1.6	59
72	Stroma-Derived Matrix Metalloproteinase (MMP)-2 Promotes Membrane Type 1-MMPâ€“Dependent Tumor Growth in Mice. Cancer Research, 2007, 67, 4311-4319.	0.4	79

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73	Crosstalk between neovessels and mural cells directs the site-specific expression of MT1-MMP to endothelial tip cells. Journal of Cell Science, 2007, 120, 1607-1614.	1.2	162
74	Regulated nucleo-cytoplasmic shuttling of human aci-reductone dioxygenase (hADI1) and its potential role in mRNA processing. Genes To Cells, 2007, 12, 105-117.	0.5	17
75	Establishment of an MT4â€MMPâ€deficient mouse strain representing an efficient tracking system for MT4â€MMP/MMPâ€17 expression in vivo using Î²â€galactosidase. Genes To Cells, 2007, 12, 1091-1100.	0.5	41
76	Membrane-type 1 matrix metalloproteinase modulates focal adhesion stability and cell migration. Experimental Cell Research, 2006, 312, 1381-1389.	1.2	96
77	MT1-MMP: A potent modifier of pericellular microenvironment. Journal of Cellular Physiology, 2006, 206, 1-8.	2.0	435
78	Multifunctional roles of MT1-MMP in myofiber formation and morphostatic maintenance of skeletal muscle. Journal of Cell Science, 2006, 119, 3822-3832.	1.2	114
79	Cell Surface Collagenolysis Requires Homodimerization of the Membrane-bound Collagenase MT1-MMP. Molecular Biology of the Cell, 2006, 17, 5390-5399.	0.9	97
80	Negative Regulation of Osteoclastogenesis by Ectodomain Shedding of Receptor Activator of NF-ÎºB Ligand. Journal of Biological Chemistry, 2006, 281, 36846-36855.	1.6	211
81	Membrane Type 1 Matrix Metalloproteinase (MT1-MMP/MMP-14) Cleaves and Releases a 22-kDa Extracellular Matrix Metalloproteinase Inducer (EMMPRIN) Fragment from Tumor Cells. Journal of Biological Chemistry, 2006, 281, 37576-37585.	1.6	118
82	Type I Collagen Abrogates the Clathrin-mediated Internalization of Membrane Type 1 Matrix Metalloproteinase (MT1-MMP) via the MT1-MMP Hemopexin Domain. Journal of Biological Chemistry, 2006, 281, 6826-6840.	1.6	46
83	CD44 binding through the hemopexin-like domain is critical for its shedding by membrane-type 1 matrix metalloproteinase. Oncogene, 2005, 24, 859-868.	2.6	95
84	Membrane-type Matrix Metalloproteinase-1 (MT1-MMP) Is a Processing Enzyme for Human Laminin Î³2 Chain. Journal of Biological Chemistry, 2005, 280, 88-93.	1.6	116
85	Competitive disruption of the tumor-promoting function of membrane type 1 matrix metalloproteinase/matrix metalloproteinase-14 in vivo. Molecular Cancer Therapeutics, 2005, 4, 1157-1166.	1.9	36
86	Palmitoylation at Cys 574 is essential for MT1â€MMP to promote cell migration. FASEB Journal, 2005, 19, 1326-1328.	0.2	55
87	Membrane-type 1 Matrix Metalloproteinase Cytoplasmic Tail-binding Protein-1 Is a New Member of the Cupin Superfamily. Journal of Biological Chemistry, 2004, 279, 12734-12743.	1.6	68
88	Membrane Type 1 Matrix Metalloproteinase Regulates Collagen-Dependent Mitogen-Activated Protein/Extracellular Signal-Related Kinase Activation and Cell Migration. Cancer Research, 2004, 64, 1044-1049.	0.4	94
89	Mutations in two matrix metalloproteinase genes, MMP-2 and MT1-MMP, are synthetic lethal in mice. Oncogene, 2004, 23, 5041-5048.	2.6	122
90	MT1-MMP: an enzyme with multidimensional regulation. Trends in Biochemical Sciences, 2004, 29, 285-289.	3.7	72

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91	Differences between scirrhous and non-scirrhous human gastric carcinomas from the aspect of proMMP-2 activation regulated by TIMP-3. Clinical and Experimental Metastasis, 2004, 21, 223-233.	1.7	9
92	Expression and localization of membrane-type-1 matrix metalloproteinase, CD 44, and laminin-5?2 chain during colorectal carcinoma tumor progression. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2004, 445, 271-278.	1.4	17
93	Constitutive and Induced CD44 Shedding by ADAM-Like Proteases and Membrane-Type 1 Matrix Metalloproteinase. Cancer Research, 2004, 64, 876-882.	0.4	131
94	Membrane-type matrix metalloproteinase 1. , 2004, , 544-549.		0
95	Membrane-type matrix metalloproteinase 3. , 2004, , 551-553.		0
96	Membrane-type matrix metalloproteinase 2. , 2004, , 549-551.		0
97	Preface: Membrane-associated proteases. Cancer and Metastasis Reviews, 2003, 22, 127-128.	2.7	0
98	Role of pericellular proteolysis by membrane-type 1 matrix metalloproteinase in cancer invasion and angiogenesis. Cancer and Metastasis Reviews, 2003, 22, 129-143.	2.7	83
99	Roles of pericellular proteolysis by membrane type-1 matrix metalloproteinase in cancer invasion and angiogenesis. Cancer Science, 2003, 94, 569-574.	1.7	132
100	Cleavage of metastasis suppressor gene product KiSS-1 protein/metastin by matrix metalloproteinases. Oncogene, 2003, 22, 4617-4626.	2.6	133
101	Sequence-specific silencing of MT1-MMP expression suppresses tumor cell migration and invasion: importance of MT1-MMP as a therapeutic target for invasive tumors. Oncogene, 2003, 22, 8716-8722.	2.6	130
102	Tetraspanin CD63 promotes targeting and lysosomal proteolysis of membrane-type 1 matrix metalloproteinase. Biochemical and Biophysical Research Communications, 2003, 304, 160-166.	1.0	93
103	Membrane-type 1 matrix metalloproteinase: a key enzyme for tumor invasion. Cancer Letters, 2003, 194, 1-11.	3.2	376
104	Membrane-type 1 matrix metalloproteinase and cell migration. Biochemical Society Symposia, 2003, 70, 253-262.	2.7	41
105	Proteomic Analysis of Protein Expressed in Odontoblastic Differentiation of Bovine Dental Pulp Cells.. Japanese Journal of Oral Biology, 2003, 45, 1-7.	0.1	1
106	Interferons Inhibit Tumor Necrosis Factor-Î±-mediated Matrix Metalloproteinase-9 Activation via Interferon Regulatory Factor-1 Binding Competition with NF-Î°B. Journal of Biological Chemistry, 2002, 277, 35766-35775.	1.6	98
107	TWO-STEP SANDWICH ENZYME IMMUNOASSAY USING MONOCLONAL ANTIBODIES FOR DETECTION OF SOLUBLE AND MEMBRANE- ASSOCIATED HUMAN MEMBRANE TYPE 1-MATRIX METALLOPROTEINASE. Journal of Immunoassay and Immunochemistry, 2002, 23, 49-68.	0.5	11
108	The cell surface: the stage for matrix metalloproteinase regulation of migration. Current Opinion in Cell Biology, 2002, 14, 624-632.	2.6	214

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109	Identification of membrane-type matrix metalloproteinase-1 as a target of the Î²-catenin/Tcf4 complex in human colorectal cancers. Oncogene, 2002, 21, 5861-5867.	2.6	231
110	MT-MMPs play pivotal roles in cancer dissemination. Clinical and Experimental Metastasis, 2002, 19, 209-215.	1.7	74
111	CD44 directs membrane-type 1 matrix metalloproteinase to lamellipodia by associating with its hemopexin-like domain. EMBO Journal, 2002, 21, 3949-3959.	3.5	291
112	Membrane-Type Matrix Metalloproteinases. , 2002, , 109-125.		0
113	The Membrane-Anchored MMP Inhibitor RECK Is a Key Regulator of Extracellular Matrix Integrity and Angiogenesis. Cell, 2001, 107, 789-800.	13.5	635
114	Expression of Membrane-Type 1 Matrix Metalloproteinase (MT1-MMP) mRNA in Trophoblast and Endometrial Epithelial Cell Populations of the Synepitheliochorial Placenta of Goats (Capra hircus).. Archives of Histology and Cytology, 2001, 64, 411-424.	0.2	8
115	Significant correlation of monocyte chemoattractant protein-1 expression with neovascularization and progression of breast carcinoma. Cancer, 2001, 92, 1085-1091.	2.0	267
116	Claudin Promotes Activation of Pro-matrix Metalloproteinase-2 Mediated by Membrane-type Matrix Metalloproteinases. Journal of Biological Chemistry, 2001, 276, 28204-28211.	1.6	191
117	Cytoplasmic tailâ€“dependent internalization of membrane-type 1 matrix metalloproteinase is important for its invasion-promoting activity. Journal of Cell Biology, 2001, 155, 1345-1356.	2.3	220
118	Membrane-Type 1 Matrix Metalloproteinase Cleaves Cd44 and Promotes Cell Migration. Journal of Cell Biology, 2001, 153, 893-904.	2.3	681
119	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. Oncogene, 2000, 19, 1764-1771.	2.6	93
120	Expression and Tissue Localization of Membrane-Types 1, 2, and 3 Matrix Metalloproteinases in Rheumatoid Synovium. Laboratory Investigation, 2000, 80, 677-687.	1.7	74
121	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. Clinical and Experimental Metastasis, 2000, 18, 179-188.	1.7	62
122	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. Clinical and Experimental Metastasis, 2000, 18, 131-138.	1.7	16
123	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. Clinical and Experimental Metastasis, 2000, 18, 675-681.	1.7	14
124	Matrix metalloproteinases and tissue inhibitor of metalloproteinase-2 in fetal rabbit lung. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2000, 279, L555-L561.	1.3	60
125	Human Membrane Type-2 Matrix Metalloproteinase Is Defective in Cell-Associated Activation of Progelatinase A. Biochemical and Biophysical Research Communications, 2000, 267, 796-800.	1.0	27
126	Membrane-type 6 matrix metalloproteinase (MT6-MMP, MMP-25) is the second glycosyl-phosphatidyl inositol (GPI)-anchored MMP. FEBS Letters, 2000, 480, 142-146.	1.3	109

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127	Furin-independent Pathway of Membrane Type 1-Matrix Metalloproteinase Activation in Rabbit Dermal Fibroblasts. Journal of Biological Chemistry, 1999, 274, 37280-37284.	1.6	49
128	Membrane Type 4 Matrix Metalloproteinase (MT4-MMP, MMP-17) Is a Glycosylphosphatidylinositol-anchored Proteinase. Journal of Biological Chemistry, 1999, 274, 34260-34266.	1.6	142
129	Development and Application of a Microplate Assay Method for the Mass Screening of MMP Inhibitors. Annals of the New York Academy of Sciences, 1999, 878, 622-624.	1.8	1
130	Transient Increase of Intracellular cAMP by Heat Shock Initiates the Suppression of MT1-MMP Production in Tumor Cells. Annals of the New York Academy of Sciences, 1999, 878, 707-709.	1.8	1
131	Cell Type-Specific Involvement of Furin in Membrane Type 1 Matrix Metalloproteinase-Mediated Progelatinase A Activation. Annals of the New York Academy of Sciences, 1999, 878, 713-715.	1.8	15
132	Membraneâ€type matrix metalloproteinases. Apmis, 1999, 107, 137-143.	0.9	272
133	Significance of Membrane Type 1 Matrix Metalloproteinase Expression in Breast Cancer. Japanese Journal of Cancer Research, 1999, 90, 516-522.	1.7	32
134	Shedding of Membrane Type 1 Matrix Metalloproteinase in a Human Breast Carcinoma Cell Line. Japanese Journal of Cancer Research, 1999, 90, 942-950.	1.7	28
135	Ras pathway is required for the activation of MMP-2 secretion and for the invasion of src-transformed 3Y1. Oncogene, 1999, 18, 6555-6563.	2.6	35
136	Induction of membrane-type matrix metalloproteinase-1 stimulates angiogenic activities of bovine aortic endothelial cells. Angiogenesis, 1999, 3, 167-174.	3.7	21
137	Overexpression of tissue inhibitor of matrix metalloproteinases-1 (TIMP-1) in metastatic MDCK cells transformed by v-src. Clinical and Experimental Metastasis, 1999, 17, 105-110.	1.7	24
138	Differentiation-dependent expression of gelatinase B/matrix metalloproteinase-9 in trophoblast cells. Cell and Tissue Research, 1999, 295, 287-296.	1.5	34
139	Characterization of a truncated recombinant form of human membrane type 3 matrix metalloproteinase. FEBS Journal, 1999, 262, 907-914.	0.2	86
140	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. , 1999, 82, 274-281.		69
141	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. FEBS Letters, 1999, 457, 353-356.	1.3	39
142	Activation of matrix metalloproteinase-2 in human breast cancer cells overexpressing cyclooxygenase-1 or -2. FEBS Letters, 1999, 460, 145-148.	1.3	65
143	Expression and Tissue Localization of Membrane-Type 1, 2, and 3 Matrix Metalloproteinases in Human Astrocytic Tumors. American Journal of Pathology, 1999, 154, 417-428.	1.9	200
144	Heat Shock Suppresses Membrane Type 1-Matrix Metalloproteinase Production and Progelatinase A Activation in Human Fibrosarcoma HT-1080 Cells and Thereby Inhibits Cellular Invasion. Biochemical and Biophysical Research Communications, 1999, 265, 189-193.	1.0	19

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145	Ursolic acid-induced down-regulation of MMP-9 gene is mediated through the nuclear translocation of glucocorticoid receptor in HT1080 human fibrosarcoma cells. Oncogene, 1998, 16, 771-778.	2.6	92
146	Calmodulin antagonists increase the expression of membrane-type-1 matrix metalloproteinase in human uterine cervical fibroblasts. FEBS Journal, 1998, 251, 353-358.	0.2	22
147	The Ets-1 and Ets-2 transcription factors activate the promoters for invasion-associated urokinase and collagenase genes in response to epidermal growth factor. , 1998, 77, 128-137.		187
148	Cloning of three Caenorhabditis elegans genes potentially encoding novel matrix metalloproteinases. Gene, 1998, 211, 57-62.	1.0	65
149	New collagenolytic enzymes/cascade identified at the pannus-hard tissue junction in rheumatoid arthritis: destruction from above. Matrix Biology, 1998, 17, 585-601.	1.5	83
150	MT1-MMP and MMP-2 mRNA expression in human ovarian tumors: Possible implications for the role of desmoplastic fibroblasts. Human Pathology, 1998, 29, 155-165.	1.1	86
151	Membrane-type 1 MMP (MMP-14) cleaves at three sites in the aggrecan interglobular domain. FEBS Letters, 1998, 430, 186-190.	1.3	52
152	Expression of membrane-type matrix metalloproteinase-1 in human pancreatic adenocarcinomas. Journal of Cancer Research and Clinical Oncology, 1998, 124, 65-72.	1.2	36
153	EXPRESSION AND TISSUE LOCALIZATION OF MEMBRANE-TYPES 1, 2, AND 3 MATRIX METALLOPROTEINASES IN HUMAN UROTHELIAL CARCINOMAS. Journal of Urology, 1998, 160, 1540-1545.	0.2	45
154	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. Biochemical and Biophysical Research Communications, 1998, 251, 681-687.	1.0	76
155	Membrane-type matrix metalloproteinase-1(MT1-MMP) gene is overexpressed in highly invasive hepatocellular carcinomas. Journal of Hepatology, 1998, 28, 231-239.	1.8	72
156	TIMP-2 Promotes Activation of Progelatinase A by Membrane-type 1 Matrix Metalloproteinase Immobilized on Agarose Beads. Journal of Biological Chemistry, 1998, 273, 16098-16103.	1.6	234
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