

Motoharu Seiki

List of Publications by Year in descending order

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papers

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198
docs citations

198
times ranked

12222
citing authors

#	ARTICLE	IF	CITATIONS
1	A matrix metalloproteinase expressed on the surface of invasive tumour cells. <i>Nature</i> , 1994, 370, 61-65.	13.7	2,465
2	Membrane Type 1 Matrix Metalloproteinase Digests Interstitial Collagens and Other Extracellular Matrix Macromolecules. <i>Journal of Biological Chemistry</i> , 1997, 272, 2446-2451.	1.6	830
3	Membrane-Type 1 Matrix Metalloproteinase Cleaves Cd44 and Promotes Cell Migration. <i>Journal of Cell Biology</i> , 2001, 153, 893-904.	2.3	681
4	The Membrane-Anchored MMP Inhibitor RECK Is a Key Regulator of Extracellular Matrix Integrity and Angiogenesis. <i>Cell</i> , 2001, 107, 789-800.	13.5	635
5	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, 343-350.	13.5	498
6	MT1-MMP: A potent modifier of pericellular microenvironment. <i>Journal of Cellular Physiology</i> , 2006, 206, 1-8.	2.0	435
7	Identification of the Second Membrane-type Matrix Metalloproteinase (MT-MMP-2) Gene from a Human Placenta cDNA Library. <i>Journal of Biological Chemistry</i> , 1995, 270, 23013-23020.	1.6	422
8	Membrane-type 1 matrix metalloproteinase: a key enzyme for tumor invasion. <i>Cancer Letters</i> , 2003, 194, 1-11.	3.2	376
9	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, 10672-10680.	1.6	323
10	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, 101-104.	1.3	309
11	CD44 directs membrane-type 1 matrix metalloproteinase to lamellipodia by associating with its hemopexin-like domain. <i>EMBO Journal</i> , 2002, 21, 3949-3959.	3.5	291
12	Membrane-type matrix metalloproteinases. <i>Apmis</i> , 1999, 107, 137-143.	0.9	272
13	Significant correlation of monocyte chemoattractant protein-1 expression with neovascularization and progression of breast carcinoma. <i>Cancer</i> , 2001, 92, 1085-1091.	2.0	267
14	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, 355-359.	2.3	257
15	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, 801-805.	1.6	246
16	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, 16098-16103.	1.6	234
17	Identification of membrane-type matrix metalloproteinase-1 as a target of the β -catenin/Tcf4 complex in human colorectal cancers. <i>Oncogene</i> , 2002, 21, 5861-5867.	2.6	231
18	Cortactin promotes exosome secretion by controlling branched actin dynamics. <i>Journal of Cell Biology</i> , 2016, 214, 197-213.	2.3	226

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19	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, 1345-1356.	2.3	220
20	The cell surface: the stage for matrix metalloproteinase regulation of migration. <i>Current Opinion in Cell Biology</i> , 2002, 14, 624-632.	2.6	214
21	Negative Regulation of Osteoclastogenesis by Ectodomain Shedding of Receptor Activator of NF- κ B Ligand. <i>Journal of Biological Chemistry</i> , 2006, 281, 36846-36855.	1.6	211
22	Intermolecular Autolytic Cleavage Can Contribute to the Activation of Progelatinase A by Cell Membranes. <i>Journal of Biological Chemistry</i> , 1995, 270, 30479-30485.	1.6	210
23	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, 417-428.	1.9	200
24	Claudin Promotes Activation of Pro-matrix Metalloproteinase-2 Mediated by Membrane-type Matrix Metalloproteinases. <i>Journal of Biological Chemistry</i> , 2001, 276, 28204-28211.	1.6	191
25	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
26	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, 238-240.	1.3	164
27	Increased expression of matrix metalloproteinase-II in experimental liver fibrosis in rats. <i>Hepatology</i> , 1995, 21, 787-795.	3.6	163
28	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, 1607-1614.	1.2	162
29	Enhanced production of matrix metalloproteinases and activation of matrix metalloproteinase 2 (gelatinase A) in human gastric carcinomas. , 1996, 69, 9-16.		146
30	Membrane Type 4 Matrix Metalloproteinase (MT4-MMP, MMP-17) Is a Glycosylphosphatidylinositol-anchored Proteinase. <i>Journal of Biological Chemistry</i> , 1999, 274, 34260-34266.	1.6	142
31	Activation of T cell-derived lymphokine genes in T cells and fibroblasts: effects of human T cell leukemia virus type 1 p40xprotein and bovine papilloma virus encoded E2 protein. <i>Nucleic Acids Research</i> , 1988, 16, 6547-6566.	6.5	135
32	Cleavage of metastasis suppressor gene product KiSS-1 protein/metastatin by matrix metalloproteinases. <i>Oncogene</i> , 2003, 22, 4617-4626.	2.6	133
33	Roles of pericellular proteolysis by membrane type-1 matrix metalloproteinase in cancer invasion and angiogenesis. <i>Cancer Science</i> , 2003, 94, 569-574.	1.7	132
34	Constitutive and Induced CD44 Shedding by ADAM-Like Proteases and Membrane-Type 1 Matrix Metalloproteinase. <i>Cancer Research</i> , 2004, 64, 876-882.	0.4	131
35	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, 8716-8722.	2.6	130
36	Mutations in two matrix metalloproteinase genes, MMP-2 and MT1-MMP, are synthetic lethal in mice. <i>Oncogene</i> , 2004, 23, 5041-5048.	2.6	122

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37	Proteolytic activation of the precursor of membrane type 1 matrix metalloproteinase by human plasmin. <i>FEBS Letters</i> , 1997, 402, 181-184.	1.3	121
38	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, 37576-37585.	1.6	118
39	Membrane-type Matrix Metalloproteinase-1 (MT1-MMP) Is a Processing Enzyme for Human Laminin $\hat{1}^{32}$ Chain. <i>Journal of Biological Chemistry</i> , 2005, 280, 88-93.	1.6	116
40	Multifunctional roles of MT1-MMP in myofiber formation and morphostatic maintenance of skeletal muscle. <i>Journal of Cell Science</i> , 2006, 119, 3822-3832.	1.2	114
41	Membrane type 1 matrix metalloproteinase is a crucial promoter of synovial invasion in human rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 2009, 60, 686-697.	6.7	111
42	Membrane-type 6 matrix metalloproteinase (MT6-MMP, MMP-25) is the second glycosyl-phosphatidyl inositol (GPI)-anchored MMP. <i>FEBS Letters</i> , 2000, 480, 142-146.	1.3	109
43	Membrane-Type Matrix Metalloproteinases (MT-MMPs) in Cell Invasion. <i>Thrombosis and Haemostasis</i> , 1997, 78, 497-500.	1.8	103
44	Increased expression of membrane type 1-matrix metalloproteinase in head and neck carcinoma. , 1997, 79, 139-144.		102
45	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, 111-120.	1.7	101
46	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, 1995-1998.	2.6	100
47	Interferons Inhibit Tumor Necrosis Factor- $\hat{1}\alpha$ -mediated Matrix Metalloproteinase-9 Activation via Interferon Regulatory Factor-1 Binding Competition with NF- $\hat{1}B$. <i>Journal of Biological Chemistry</i> , 2002, 277, 35766-35775.	1.6	98
48	Cell Surface Collagenolysis Requires Homodimerization of the Membrane-bound Collagenase MT1-MMP. <i>Molecular Biology of the Cell</i> , 2006, 17, 5390-5399.	0.9	97
49	Membrane-type 1 matrix metalloproteinase modulates focal adhesion stability and cell migration. <i>Experimental Cell Research</i> , 2006, 312, 1381-1389.	1.2	96
50	CD44 binding through the hemopexin-like domain is critical for its shedding by membrane-type 1 matrix metalloproteinase. <i>Oncogene</i> , 2005, 24, 859-868.	2.6	95
51	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, 1044-1049.	0.4	94
52	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, 1764-1771.	2.6	93
53	Tetraspanin CD63 promotes targeting and lysosomal proteolysis of membrane-type 1 matrix metalloproteinase. <i>Biochemical and Biophysical Research Communications</i> , 2003, 304, 160-166.	1.0	93
54	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, 771-778.	2.6	92

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55	Transmembrane/cytoplasmic, rather than catalytic, domains of Mmp14 signal to MAPK activation and mammary branching morphogenesis via binding to integrin β 1. <i>Development (Cambridge)</i> , 2013, 140, 343-352.	1.2	91
56	Cloning of a human gene potentially encoding a novel matrix metalloproteinase having a C-terminal transmembrane domain. <i>Gene</i> , 1995, 155, 293-298.	1.0	87
57	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, 155-165.	1.1	86
58	Characterization of a truncated recombinant form of human membrane type 3 matrix metalloproteinase. <i>FEBS Journal</i> , 1999, 262, 907-914.	0.2	86
59	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.	1.5	83
60	Role of pericellular proteolysis by membrane-type 1 matrix metalloproteinase in cancer invasion and angiogenesis. <i>Cancer and Metastasis Reviews</i> , 2003, 22, 129-143.	2.7	83
61	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, 29951-29964.	1.6	82
62	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, 462-470.	0.9	80
63	Stroma-Derived Matrix Metalloproteinase (MMP)-2 Promotes Membrane Type 1-MMP-Dependent Tumor Growth in Mice. <i>Cancer Research</i> , 2007, 67, 4311-4319.	0.4	79
64	Cytoplasmic tail of MT1-MMP regulates macrophage motility independently from its protease activity. <i>Genes To Cells</i> , 2009, 14, 617-626.	0.5	77
65	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, 681-687.	1.0	76
66	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. , 1996, 68, 565-570.		74
67	Expression and Tissue Localization of Membrane-Types 1, 2, and 3 Matrix Metalloproteinases in Rheumatoid Synovium. <i>Laboratory Investigation</i> , 2000, 80, 677-687.	1.7	74
68	MT-MMPs play pivotal roles in cancer dissemination. <i>Clinical and Experimental Metastasis</i> , 2002, 19, 209-215.	1.7	74
69	Membrane-type matrix metalloproteinase-1 (MT1-MMP) gene is overexpressed in highly invasive hepatocellular carcinomas. <i>Journal of Hepatology</i> , 1998, 28, 231-239.	1.8	72
70	MT1-MMP: an enzyme with multidimensional regulation. <i>Trends in Biochemical Sciences</i> , 2004, 29, 285-289.	3.7	72
71	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
72	Membrane-type 1 Matrix Metalloproteinase Cytoplasmic Tail-binding Protein-1 Is a New Member of the Cupin Superfamily. <i>Journal of Biological Chemistry</i> , 2004, 279, 12734-12743.	1.6	68

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73	Targeting the Warburg Effect That Arises in Tumor Cells Expressing Membrane Type-1 Matrix Metalloproteinase. <i>Journal of Biological Chemistry</i> , 2011, 286, 14691-14704.	1.6	68
74	Cloning of three <i>Caenorhabditis elegans</i> genes potentially encoding novel matrix metalloproteinases. <i>Gene</i> , 1998, 211, 57-62.	1.0	65
75	Activation of matrix metalloproteinase-2 in human breast cancer cells overexpressing cyclooxygenase-1 or -2. <i>FEBS Letters</i> , 1999, 460, 145-148.	1.3	65
76	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, 179-188.	1.7	62
77	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-L561.	1.3	60
78	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, 13053-13062.	1.6	59
79	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.	2.0	57
80	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.	3.3	57
81	A Novel Protein Associated with Membrane-type 1 Matrix Metalloproteinase Binds p27kip1 and Regulates RhoA Activation, Actin Remodeling, and Matrigel Invasion. <i>Journal of Biological Chemistry</i> , 2009, 284, 27315-27326.	1.6	56
82	Palmitoylation at Cys 574 is essential for MT1-MMP to promote cell migration. <i>FASEB Journal</i> , 2005, 19, 1326-1328.	0.2	55
83	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> , 1997, 16, 169-177.	1.7	54
84	Inhibition of metastasis in human gastric cancer cells transfected with tissue inhibitor of metalloproteinase 1 gene in nude mice. , 1996, 77, 1676-1680.		53
85	Deficiency of MMP17/MT4-MMP Proteolytic Activity Predisposes to Aortic Aneurysm in Mice. <i>Circulation Research</i> , 2015, 117, e13-26.	2.0	53
86	Membrane-type 1 MMP (MMP-14) cleaves at three sites in the aggrecan interglobular domain. <i>FEBS Letters</i> , 1998, 430, 186-190.	1.3	52
87	Isolation of a mouse MT2-MMP gene from a lung cDNA library and identification of its product. <i>FEBS Letters</i> , 1997, 402, 219-222.	1.3	51
88	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, 221-229.	1.3	51
89	MT1-MMP plays a critical role in hematopoiesis by regulating HIF-mediated chemokine/cytokine gene transcription within niche cells. <i>Blood</i> , 2012, 119, 5405-5416.	0.6	51
90	Furin-independent Pathway of Membrane Type 1-Matrix Metalloproteinase Activation in Rabbit Dermal Fibroblasts. <i>Journal of Biological Chemistry</i> , 1999, 274, 37280-37284.	1.6	49

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91	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, 6093-6103.	0.4	47
92	Matrix metalloproteinase 14 modulates signal transduction and angiogenesis in the cornea. <i>Survey of Ophthalmology</i> , 2016, 61, 478-497.	1.7	47
93	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, 6826-6840.	1.6	46
94	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.	0.2	45
95	Integrated functions of membrane-type 1 matrix metalloproteinase in regulating cancer malignancy: Beyond a proteinase. <i>Cancer Science</i> , 2017, 108, 1095-1100.	1.7	45
96	Establishment of an MT4-MMP-deficient mouse strain representing an efficient tracking system for MT4-MMP/MMP-17 expression <i>in vivo</i> using β -galactosidase. <i>Genes To Cells</i> , 2007, 12, 1091-1100.	0.5	41
97	Membrane-type 1 matrix metalloproteinase and cell migration. <i>Biochemical Society Symposia</i> , 2003, 70, 253-262.	2.7	41
98	The ERK signaling target RNF126 regulates anoikis resistance in cancer cells by changing the mitochondrial metabolic flux. <i>Cell Discovery</i> , 2016, 2, 16019.	3.1	40
99	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, 353-356.	1.3	39
100	Proteolysis of EphA2 Converts It from a Tumor Suppressor to an Oncoprotein. <i>Cancer Research</i> , 2015, 75, 3327-3339.	0.4	39
101	Critical Role of Transient Activity of MT1-MMP for ECM Degradation in Invadopodia. <i>PLoS Computational Biology</i> , 2013, 9, e1003086.	1.5	38
102	Expression of membrane-type matrix metalloproteinase-1 in human pancreatic adenocarcinomas. <i>Journal of Cancer Research and Clinical Oncology</i> , 1998, 124, 65-72.	1.2	36
103	Competitive disruption of the tumor-promoting function of membrane type 1 matrix metalloproteinase/matrix metalloproteinase-14 <i>in vivo</i> . <i>Molecular Cancer Therapeutics</i> , 2005, 4, 1157-1166.	1.9	36
104	Ras pathway is required for the activation of MMP-2 secretion and for the invasion of src-transformed 3Y1. <i>Oncogene</i> , 1999, 18, 6555-6563.	2.6	35
105	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, 157-163.	1.7	34
106	Differentiation-dependent expression of gelatinase B/matrix metalloproteinase-9 in trophoblast cells. <i>Cell and Tissue Research</i> , 1999, 295, 287-296.	1.5	34
107	CDCP1 Regulates the Function of MT1-MMP and Invadopodia-Mediated Invasion of Cancer Cells. <i>Molecular Cancer Research</i> , 2013, 11, 628-637.	1.5	34
108	MT4-MMP deficiency increases patrolling monocyte recruitment to early lesions and accelerates atherosclerosis. <i>Nature Communications</i> , 2018, 9, 910.	5.8	34

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109	Calcium influx inhibits MT1-MMP processing and blocks MMP-2 activation. FEBS Letters, 1997, 412, 568-572.	1.3	33
110	Expression of typeâ€V collagenases in human tumor cell lines that can form liver colonies in chick embryos. International Journal of Cancer, 1994, 56, 46-51.	2.3	33
111	Dimerization of MT1-MMP during cellular invasion detected by fluorescence resonance energy transfer. Biochemical Journal, 2011, 440, 319-327.	1.7	33
112	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
113	Significance of Membrane Type 1 Matrix Metalloproteinase Expression in Breast Cancer. Japanese Journal of Cancer Research, 1999, 90, 516-522.	1.7	32
114	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
115	NECAB3 Promotes Activation of Hypoxia-inducible factor-1 during Normoxia and Enhances Tumourigenicity of Cancer Cells. Scientific Reports, 2016, 6, 22784.	1.6	30
116	Molecular mechanisms of regulation of HTLV-1 gene expression and its association with leukemogenesis. Genome, 1989, 31, 662-667.	0.9	29
117	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
118	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
119	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
120	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
121	Expression of c-fos gene inhibits proteoglycan synthesis in transfected chondrocyte. FEBS Letters, 1996, 381, 222-226.	1.3	26
122	Elevated cyclic AMP suppresses ConA-induced MT1-MMP expression in MDA-MB-231 human breast cancer cells. Clinical and Experimental Metastasis, 1997, 16, 185-191.	1.7	24
123	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
124	MT1-MMP-mediated basement membrane remodeling modulates renal development. Experimental Cell Research, 2010, 316, 2993-3005.	1.2	24
125	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
126	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

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127	Different metastatic potentials of ras- and src-transformed BALB/c 3T3 A31 variant cells. , 1996, 15, 300-308.		23
128	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
129	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
130	Assignment of the Human Genes for Membrane-Type-1, -2, and -3 Matrix Metalloproteinases (MMP14,) Tj ETQq0 0 0 rgBT /Overlock 10 T 1997, 39, 412-413.	1.3	22
131	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
132	Induction of membrane-type matrix metalloproteinase-1 stimulates angiogenic activities of bovine aortic endothelial cells. Angiogenesis, 1999, 3, 167-174.	3.7	21
133	Mathematical modeling of invadopodia formation. Journal of Theoretical Biology, 2012, 298, 138-146.	0.8	21
134	Serum monomeric laminin $\hat{\epsilon}^3_2$ as a novel biomarker for hepatocellular carcinoma. Cancer Science, 2017, 108, 1432-1439.	1.7	21
135	Serum Laminin $\hat{\epsilon}^3_2$ Monomer as a Diagnostic and Predictive Biomarker for Hepatocellular Carcinoma. Hepatology, 2021, 74, 760-775.	3.6	21
136	New insight into the role of MMP14 in metabolic balance. PeerJ, 2016, 4, e2142.	0.9	21
137	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
138	Mint3 potentiates TLR3/4- and RIG-I $\hat{\epsilon}$ -induced IFN- $\hat{\epsilon}^2$ 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
139	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
140	ZF21 Protein Regulates Cell Adhesion and Motility. Journal of Biological Chemistry, 2010, 285, 21013-21022.	1.6	19
141	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
142	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
143	EXOSC9 depletion attenuates P-body formation, stress resistance, and tumorigenicity of cancer cells. Scientific Reports, 2020, 10, 9275.	1.6	18
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