

# Takahisa Takino

## List of Publications by Year in descending order

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55  
papers

6,888  
citations

147566

31  
h-index

155451

55  
g-index

56  
all docs

56  
docs citations

56  
times ranked

5760  
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	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
3	Shc and Fak Differentially Regulate Cell Motility and Directionality Modulated by Pten. <i>Journal of Cell Biology</i> , 1999, 146, 389-404.	2.3	390
4	Cleavage of Syndecan-1 by Membrane Type Matrix Metalloproteinase-1 Stimulates Cell Migration. <i>Journal of Biological Chemistry</i> , 2003, 278, 40764-40770.	1.6	339
5	PTEN Interactions with Focal Adhesion Kinase and Suppression of the Extracellular Matrix-dependent Phosphatidylinositol 3-Kinase/Akt Cell Survival Pathway. <i>Journal of Biological Chemistry</i> , 1999, 274, 20693-20703.	1.6	326
6	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
7	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
8	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
9	Roles of membrane-type matrix metalloproteinase-1 in tumor invasion and metastasis. <i>Cancer Science</i> , 2005, 96, 212-217.	1.7	169
10	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
11	Cleavage of metastasis suppressor gene product KiSS-1 protein/metastin by matrix metalloproteinases. <i>Oncogene</i> , 2003, 22, 4617-4626.	2.6	133
12	Coordinate action of membrane-type matrix metalloproteinase-1 (MT1-MMP) and MMP-2 enhances pericellular proteolysis and invasion. <i>Cancer Science</i> , 2010, 101, 843-847.	1.7	133
13	The m6A methyltransferase METTL3 contributes to Transforming Growth Factor-beta-induced epithelial-mesenchymal transition of lung cancer cells through the regulation of JUNB. <i>Biochemical and Biophysical Research Communications</i> , 2020, 524, 150-155.	1.0	108
14	Cleavage of Lumican by Membrane-Type Matrix Metalloproteinase-1 Abrogates This Proteoglycan-Mediated Suppression of Tumor Cell Colony Formation in Soft Agar. <i>Cancer Research</i> , 2004, 64, 7058-7064.	0.4	103
15	Membrane-type 1 matrix metalloproteinase modulates focal adhesion stability and cell migration. <i>Experimental Cell Research</i> , 2006, 312, 1381-1389.	1.2	96
16	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
17	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
18	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

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19	Activation of Matrix Metalloproteinase-2 (MMP-2) by Membrane Type 1 Matrix Metalloproteinase through an Artificial Receptor for ProMMP-2 Generates Active MMP-2. <i>Cancer Research</i> , 2008, 68, 9096-9104.	0.4	72
20	Aberrant Glycogen Synthase Kinase 3 $\beta$ Is Involved in Pancreatic Cancer Cell Invasion and Resistance to Therapy. <i>PLoS ONE</i> , 2013, 8, e55289.	1.1	64
21	Activation of $\alpha$ 1-MMP by membrane type-1 $\alpha$ 1-MMP/ $\alpha$ 2 axis stimulates tumor metastasis. <i>Cancer Science</i> , 2017, 108, 347-353.	1.7	62
22	Crkl adapter protein modulates cell migration and invasion in glioblastoma. <i>Cancer Research</i> , 2003, 63, 2335-7.	0.4	62
23	JSAP1/JIP3 Cooperates with Focal Adhesion Kinase to Regulate c-Jun N-terminal Kinase and Cell Migration. <i>Journal of Biological Chemistry</i> , 2005, 280, 37772-37781.	1.6	59
24	miR-150-5p and miR-133a suppress glioma cell proliferation and migration through targeting membrane-type-1 matrix metalloproteinase. <i>Gene</i> , 2016, 587, 155-162.	1.0	59
25	Cleavage of Amyloid- $\beta$ Precursor Protein (APP) by Membrane-Type Matrix Metalloproteinases. <i>Journal of Biochemistry</i> , 2006, 139, 517-526.	0.9	58
26	Tyrosine phosphorylation of the Crkl adaptor protein modulates cell migration. <i>Journal of Cell Science</i> , 2003, 116, 3145-3155.	1.2	57
27	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
28	Inhibition of Membrane-Type 1 Matrix Metalloproteinase at Cell-Matrix Adhesions. <i>Cancer Research</i> , 2007, 67, 11621-11629.	0.4	46
29	Glycogen Synthase Kinase 3 $\beta$ Sustains Invasion of Glioblastoma via the Focal Adhesion Kinase, Rac1, and c-Jun N-Terminal Kinase-Mediated Pathway. <i>Molecular Cancer Therapeutics</i> , 2015, 14, 564-574.	1.9	38
30	GI24 enhances tumor invasiveness by regulating cell surface membrane-type 1 matrix metalloproteinase. <i>Cancer Science</i> , 2010, 101, 2368-2374.	1.7	34
31	MT1-MMP promotes cell growth and ERK activation through c-Src and paxillin in three-dimensional collagen matrix. <i>Biochemical and Biophysical Research Communications</i> , 2010, 396, 1042-1047.	1.0	34
32	Substrate choice of membrane-type 1 matrix metalloproteinase is dictated by tissue inhibitor of metalloproteinase-2 levels. <i>Cancer Science</i> , 2007, 98, 563-568.	1.7	31
33	A scaffold protein in the c-Jun N-terminal kinase signaling pathway is associated with focal adhesion kinase and tyrosine-phosphorylated. <i>Oncogene</i> , 2002, 21, 6488-6497.	2.6	28
34	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.	1.0	27
35	Assignment of the Human Genes for Membrane-Type-1, -2, and -3 Matrix Metalloproteinases (MMP14,) <i>Tj ETQq1 1 0.784314 rgBT /Over</i> 1997, 39, 412-413.	1.3	22
36	Cleavage of growth differentiation factor 15 (GDF15) by membrane type 1 matrix metalloproteinase abrogates GDF15-mediated suppression of tumor cell growth. <i>Cancer Science</i> , 2007, 98, 1330-1335.	1.7	22

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37	Cleavage of hepatocyte growth factor activator inhibitor-1 by membrane-type MMP-1 activates matriptase. <i>Cancer Science</i> , 2012, 103, 448-454.	1.7	22
38	Tip60 regulates MT1-MMP transcription and invasion of glioblastoma cells through NF- $\kappa$ B pathway. <i>Clinical and Experimental Metastasis</i> , 2016, 33, 45-52.	1.7	20
39	Shedding of kidney injury molecule-1 by membrane-type 1 matrix metalloproteinase. <i>Journal of Biochemistry</i> , 2012, 152, 425-432.	0.9	17
40	Cleavage of Apolipoprotein E by Membrane-Type Matrix Metalloproteinase-1 Abrogates Suppression of Cell Proliferation. <i>Journal of Biochemistry</i> , 2005, 137, 95-99.	0.9	16
41	The Scaffold Protein c-Jun NH2-Terminal Kinase-associated Leucine Zipper Protein Regulates Cell Migration through Interaction with the G Protein G $\alpha$ 13. <i>Journal of Biochemistry</i> , 2008, 144, 693-700.	0.9	16
42	Membrane-type 1 matrix metalloproteinase enhances lymph node metastasis of gastric cancer. <i>Clinical and Experimental Metastasis</i> , 2000, 18, 321-327.	1.7	15
43	Increased matrix metalloproteinase-2 and membrane type 1 matrix metalloproteinase activity and expression in heterotopically transplanted murine tracheas. <i>Journal of Heart and Lung Transplantation</i> , 2004, 23, 218-227.	0.3	15
44	KDM2B is involved in the epigenetic regulation of TGF- $\beta$ 2-induced epithelial-mesenchymal transition in lung and pancreatic cancer cell lines. <i>Journal of Biological Chemistry</i> , 2021, 296, 100213.	1.6	14
45	Regulation of N-cadherin-based cell-cell interaction by JSAP1 scaffold in PC12h cells. <i>Biochemical and Biophysical Research Communications</i> , 2007, 353, 357-362.	1.0	10
46	TGF- $\beta$ 1 facilitates MT1-MMP-mediated proMMP-9 activation and invasion in oral squamous cell carcinoma cells. <i>Biochemistry and Biophysics Reports</i> , 2021, 27, 101072.	0.7	10
47	Membrane-type 1 matrix metalloproteinase regulates fibronectin assembly to promote cell motility. <i>FEBS Letters</i> , 2011, 585, 3378-3384.	1.3	8
48	MT1-MMP prevents growth inhibition by three dimensional fibronectin matrix. <i>Biochemical and Biophysical Research Communications</i> , 2013, 436, 503-508.	1.0	7
49	Vinculin negatively regulates transcription of MT1-MMP through MEK/ERK pathway. <i>Biochemical and Biophysical Research Communications</i> , 2014, 455, 251-255.	1.0	6
50	Membrane-type 1 matrix metalloproteinase regulates fibronectin assembly and N-cadherin adhesion. <i>Biochemical and Biophysical Research Communications</i> , 2014, 450, 1016-1020.	1.0	4
51	Simple and cost-effective assay for isolating invasive living cells. <i>BioTechniques</i> , 2018, 65, 137-142.	0.8	4
52	Isolation of Highly Migratory and Invasive Cells in Three-Dimensional Gels. <i>Current Protocols in Cell Biology</i> , 2020, 86, e103.	2.3	4
53	A novel celecoxib analog UTX-121 inhibits HT1080 cell invasion by modulating membrane-type 1 matrix metalloproteinase. <i>Biochemical and Biophysical Research Communications</i> , 2020, 521, 137-144.	1.0	3
54	Structure-Activity Relationships of UTX-121 Derivatives for the Development of Novel Matrix Metalloproteinase-2/9 Inhibitors. <i>Chemical and Pharmaceutical Bulletin</i> , 2021, 69, 1017-1028.	0.6	2

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55	Roles of Membrane-type 1 Matrix Metalloproteinase in Tumor Invasion and Progression. Journal of Oral Biosciences, 2007, 49, 120-127.	0.8	1