

# Dylan R. Edwards

## List of Publications by Citations

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197  
papers

18,538  
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133  
g-index

201  
ext. papers

19,903  
ext. citations

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avg, IF

6.37  
L-index

#	Paper	IF	Citations
197	Metalloproteinase inhibitors: biological actions and therapeutic opportunities. <i>Journal of Cell Science</i> , <b>2002</b> , 115, 3719-27	5.3	900
196	Metalloproteinases in biology and pathology of the nervous system. <i>Nature Reviews Neuroscience</i> , <b>2001</b> , 2, 502-11	13.5	845
195	The ADAM metalloproteinases. <i>Molecular Aspects of Medicine</i> , <b>2008</b> , 29, 258-89	16.7	810
194	The ADAMTS metalloproteinases. <i>Biochemical Journal</i> , <b>2005</b> , 386, 15-27	3.8	603
193	Matrix metalloproteinases and diseases of the CNS. <i>Trends in Neurosciences</i> , <b>1998</b> , 21, 75-80	13.3	556
192	Developmental expression of 2ar (osteopontin) and SPARC (osteonectin) RNA as revealed by in situ hybridization. <i>Journal of Cell Biology</i> , <b>1988</b> , 106, 441-50	7.3	464
191	The regulation of matrix metalloproteinases and their inhibitors. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2008</b> , 40, 1362-78	5.6	422
190	The ADAMTS (A Disintegrin and Metalloproteinase with Thrombospondin motifs) family. <i>Genome Biology</i> , <b>2015</b> , 16, 113	18.3	336
189	Expression profiling of metalloproteinases and their inhibitors in cartilage. <i>Arthritis and Rheumatism</i> , <b>2004</b> , 50, 131-41		325
188	MicroRNAs and the hallmarks of cancer. <i>Oncogene</i> , <b>2006</b> , 25, 6170-5	9.2	291
187	The role of chondrocyte senescence in osteoarthritis. <i>Aging Cell</i> , <b>2002</b> , 1, 57-65	9.9	289
186	Increased gelatinase A (MMP-2) and gelatinase B (MMP-9) activities in human brain after focal ischemia. <i>Neuroscience Letters</i> , <b>1997</b> , 238, 53-6	3.3	271
185	Gelatinase-A (MMP-2), gelatinase-B (MMP-9) and membrane type matrix metalloproteinase-1 (MT1-MMP) are involved in different aspects of the pathophysiology of malignant gliomas. <i>British Journal of Cancer</i> , <b>1999</b> , 79, 1828-1835	8.7	267
184	Analyses of all matrix metalloproteinase members in leukocytes emphasize monocytes as major inflammatory mediators in multiple sclerosis. <i>Brain</i> , <b>2003</b> , 126, 2738-49	11.2	254
183	Critical research gaps and translational priorities for the successful prevention and treatment of breast cancer. <i>Breast Cancer Research</i> , <b>2013</b> , 15, R92	8.3	248
182	Matrix metalloproteinase-9/gelatinase B is required for process outgrowth by oligodendrocytes. <i>Journal of Neuroscience</i> , <b>1999</b> , 19, 8464-75	6.6	244
181	Dysregulated expression of adamalysin-thrombospondin genes in human breast carcinoma. <i>Clinical Cancer Research</i> , <b>2004</b> , 10, 2429-40	12.9	243

180	Targeted photodynamic therapy of breast cancer cells using antibody-phthalocyanine-gold nanoparticle conjugates. <i>Photochemical and Photobiological Sciences</i> , <b>2011</b> , 10, 822-31	4.2	242
179	Expression profiling of metalloproteinases and tissue inhibitors of metalloproteinases in normal and degenerate human achilles tendon. <i>Arthritis and Rheumatism</i> , <b>2006</b> , 54, 832-42		224
178	Broad antitumor and antiangiogenic activities of AG3340, a potent and selective MMP inhibitor undergoing advanced oncology clinical trials. <i>Annals of the New York Academy of Sciences</i> , <b>1999</b> , 878, 236-70	6.5	221
177	Metalloproteinases and their inhibitors in tumor angiogenesis. <i>International Journal of Cancer</i> , <b>2005</b> , 115, 849-60	7.5	217
176	Tissue inhibitor of metalloproteinases (TIMP, aka EPA): structure, control of expression and biological functions <b>1993</b> , 59, 329-41		217
175	Growth Factors and Cytokines Upregulate Gelatinase Expression in Bone Marrow CD34+ Cells and Their Transmigration Through Reconstituted Basement Membrane. <i>Blood</i> , <b>1999</b> , 93, 3379-3390	2.2	185
174	The comparative role of activator protein 1 and Smad factors in the regulation of Timp-1 and MMP-1 gene expression by transforming growth factor-beta 1. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 10304-13	5.4	182
173	Interleukin-6 Regulation of Matrix Metalloproteinase (MMP-2 and MMP-9) and Tissue Inhibitor of Metalloproteinase (TIMP-1) Expression in Malignant Non-Hodgkin's Lymphomas. <i>Blood</i> , <b>1999</b> , 94, 2080-2089	2.2	178
172	Endothelial tubulogenesis within fibrin gels specifically requires the activity of membrane-type-matrix metalloproteinases (MT-MMPs). <i>Journal of Cell Science</i> , <b>2002</b> , 115, 3427-3438	5.3	177
171	The modulation of matrix metalloproteinase and ADAM gene expression in human chondrocytes by interleukin-1 and oncostatin M: a time-course study using real-time quantitative reverse transcription-polymerase chain reaction. <i>Arthritis and Rheumatism</i> , <b>2002</b> , 46, 961-7		172
170	An adverse role for matrix metalloproteinase 12 after spinal cord injury in mice. <i>Journal of Neuroscience</i> , <b>2003</b> , 23, 10107-15	6.6	166
169	Signalling and superinduction. <i>Nature</i> , <b>1991</b> , 349, 747-8	50.4	165
168	Altered balance between matrix metalloproteinases and their inhibitors in experimental biliary fibrosis. <i>American Journal of Pathology</i> , <b>1998</b> , 153, 1895-902	5.8	160
167	Leukemic blasts program bone marrow adipocytes to generate a protumoral microenvironment. <i>Blood</i> , <b>2017</b> , 129, 1320-1332	2.2	159
166	MMP-1 drives immunopathology in human tuberculosis and transgenic mice. <i>Journal of Clinical Investigation</i> , <b>2011</b> , 121, 1827-33	15.9	159
165	NADPH oxidase-2 derived superoxide drives mitochondrial transfer from bone marrow stromal cells to leukemic blasts. <i>Blood</i> , <b>2017</b> , 130, 1649-1660	2.2	155
164	Determinants of human B cell migration across brain endothelial cells. <i>Journal of Immunology</i> , <b>2003</b> , 170, 4497-505	5.3	155
163	Endothelial tubulogenesis within fibrin gels specifically requires the activity of membrane-type-matrix metalloproteinases (MT-MMPs). <i>Journal of Cell Science</i> , <b>2002</b> , 115, 3427-38	5.3	154

162	Murine tissue inhibitor of metalloproteinases-4 (Timp-4): cDNA isolation and expression in adult mouse tissues. <i>FEBS Letters</i> , <b>1997</b> , 401, 213-7	3.8	146
161	Matrix metalloproteinase-8 functions as a metastasis suppressor through modulation of tumor cell adhesion and invasion. <i>Cancer Research</i> , <b>2008</b> , 68, 2755-63	10.1	144
160	Combination of tumor necrosis factor-alpha ablation and matrix metalloproteinase inhibition prevents heart failure after pressure overload in tissue inhibitor of metalloproteinase-3 knock-out mice. <i>Circulation Research</i> , <b>2005</b> , 97, 380-90	15.7	141
159	A growth-responsive gene (16C8) in normal mouse fibroblasts homologous to a human collagenase inhibitor with erythroid-potentiating activity: evidence for inducible and constitutive transcripts. <i>Nucleic Acids Research</i> , <b>1986</b> , 14, 8863-78	20.1	141
158	Identification of degradome components associated with prostate cancer progression by expression analysis of human prostatic tissues. <i>British Journal of Cancer</i> , <b>2005</b> , 92, 2171-80	8.7	139
157	Expression analysis of the entire MMP and TIMP gene families during mouse tissue development. <i>FEBS Letters</i> , <b>2004</b> , 563, 129-34	3.8	131
156	Histone deacetylase inhibitors modulate metalloproteinase gene expression in chondrocytes and block cartilage resorption. <i>Arthritis Research</i> , <b>2005</b> , 7, R503-12		129
155	Matrix metalloproteinases: protective roles in cancer. <i>Journal of Cellular and Molecular Medicine</i> , <b>2011</b> , 15, 1254-65	5.6	127
154	Expression profile of matrix metalloproteinases (MMPs) and tissue inhibitors of MMPs in mature human odontoblasts and pulp tissue. <i>European Journal of Oral Sciences</i> , <b>2003</b> , 111, 117-27	2.3	125
153	Elevated membrane-type matrix metalloproteinases in gliomas revealed by profiling proteases and inhibitors in human cancer cells. <i>Molecular Cancer Research</i> , <b>2003</b> , 1, 333-45	6.6	123
152	Key metalloproteinases are expressed by specific cell types in experimental autoimmune encephalomyelitis. <i>Journal of Immunology</i> , <b>2004</b> , 173, 5209-18	5.3	122
151	Tissue inhibitor of metalloproteinases-1 promotes liver metastasis by induction of hepatocyte growth factor signaling. <i>Cancer Research</i> , <b>2007</b> , 67, 8615-23	10.1	118
150	Metalloproteinase inhibitor TIMP-1 affects hepatocyte cell cycle via HGF activation in murine liver regeneration. <i>Hepatology</i> , <b>2005</b> , 41, 857-67	11.2	118
149	Expression of matrix metalloproteinases and tissue inhibitors of metalloproteinases in the mouse uterus during the peri-implantation period. <i>Genesis</i> , <b>1997</b> , 21, 44-54		115
148	Tenascin-C stimulates glioma cell invasion through matrix metalloproteinase-12. <i>Cancer Research</i> , <b>2006</b> , 66, 11771-80	10.1	115
147	Expression of metalloproteinases and their inhibitors in primary pulmonary carcinomas. <i>British Journal of Cancer</i> , <b>1992</b> , 66, 1188-94	8.7	115
146	Transcriptional activity of the human tissue inhibitor of metalloproteinases 1 (TIMP-1) gene in fibroblasts involves elements in the promoter, exon 1 and intron 1. <i>Biochemical Journal</i> , <b>1997</b> , 324 (Pt 2), 611-7	3.8	114
145	An elevated matrix metalloproteinase (MMP) in an animal model of multiple sclerosis is protective by affecting Th1/Th2 polarization. <i>FASEB Journal</i> , <b>2005</b> , 19, 1668-70	0.9	110

144	Cutting edge: the metalloproteinase ADAM17/TNF-alpha-converting enzyme regulates proteolytic shedding of the MHC class I-related chain B protein. <i>Journal of Immunology</i> , <b>2009</b> , 182, 49-53	5.3	109
143	Developmentally programmed induction of differentiation inhibiting activity and the control of stem cell populations. <i>Genes and Development</i> , <b>1990</b> , 4, 2308-18	12.6	107
142	Diverse and potent activities of HGF/SF in skin wound repair. <i>Journal of Pathology</i> , <b>2004</b> , 203, 831-8	9.4	104
141	Comparative analysis of the expression patterns of metalloproteinases and their inhibitors in breast neoplasia, sporadic colorectal neoplasia, pulmonary carcinomas and malignant non-Hodgkin's lymphomas in humans. <i>British Journal of Cancer</i> , <b>1996</b> , 73, 1401-8	8.7	102
140	Involvement of AP1 and PEA3 binding sites in the regulation of murine tissue inhibitor of metalloproteinases-1 (TIMP-1) transcription. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , <b>1992</b> , 1171, 41-55		96
139	Phosphorylation-dependent interactions between ADAM15 cytoplasmic domain and Src family protein-tyrosine kinases. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 4999-5007	5.4	94
138	Tumour-associated tenascin-C isoforms promote breast cancer cell invasion and growth by matrix metalloproteinase-dependent and independent mechanisms. <i>Breast Cancer Research</i> , <b>2009</b> , 11, R24	8.3	91
137	Differential effects of transforming growth factor-beta 1 on the expression of matrix metalloproteinases and tissue inhibitors of metalloproteinases in young and old human fibroblasts. <i>Experimental Gerontology</i> , <b>1996</b> , 31, 207-23	4.5	91
136	Expression of matrix metalloproteinases (MMP-2 and -9) and tissue inhibitors of metalloproteinases (TIMP-1 and -2) in acute myelogenous leukaemia blasts: comparison with normal bone marrow cells. <i>British Journal of Haematology</i> , <b>1999</b> , 105, 402-411	4.5	90
135	Differential regulation of TIMP-1 and TIMP-2 mRNA expression in normal and Ha-ras-transformed murine fibroblasts. <i>Gene</i> , <b>1992</b> , 117, 209-17	3.8	90
134	Expression profiles and clinical correlations of degradome components in the tumor microenvironment of head and neck squamous cell carcinoma. <i>Clinical Cancer Research</i> , <b>2010</b> , 16, 2022-35	12.9	87
133	TIMP-1 deficiency does not attenuate interstitial fibrosis in obstructive nephropathy. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2001</b> , 12, 736-748	12.7	86
132	Mycobacterium tuberculosis, but not vaccine BCG, specifically upregulates matrix metalloproteinase-1. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2005</b> , 172, 1596-604	10.2	84
131	Cytokine stimulated vascular cell adhesion molecule-1 (VCAM-1) ectodomain release is regulated by TIMP-3. <i>Cardiovascular Research</i> , <b>2005</b> , 67, 39-49	9.9	82
130	Metalloproteinases and their inhibitors in angiogenesis. <i>Expert Reviews in Molecular Medicine</i> , <b>2003</b> , 5, 1-39	6.7	79
129	Hormonal regulation of matrix metalloproteinase inhibitors in rat granulosa cells and ovaries. <i>Endocrinology</i> , <b>1991</b> , 128, 1825-32	4.8	79
128	Regulation of tissue inhibitor of metalloproteinases-1 gene expression by cytokines and dexamethasone in rat hepatocyte primary cultures. <i>Hepatology</i> , <b>1993</b> , 18, 1437-1442	11.2	79
127	Cell signalling and the control of gene transcription. <i>Trends in Pharmacological Sciences</i> , <b>1994</b> , 15, 239-44	13.2	78

126	TGF-[beta]1 limits plaque growth, stabilizes plaque structure, and prevents aortic dilation in apolipoprotein E-null mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2009</b> , 29, 1251-7	9.4	77
125	Roles of growth factors during peri-implantation development. <i>Human Reproduction</i> , <b>1995</b> , 10, 712-8	5.7	76
124	Localization of gelatinase-A and gelatinase-B mRNA and protein in human gliomas. <i>Neuro-Oncology</i> , <b>2000</b> , 2, 145-50	1	75
123	Metalloproteinase expression in PMA-stimulated THP-1 cells. Effects of peroxisome proliferator-activated receptor-gamma (PPAR gamma) agonists and 9-cis-retinoic acid. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 51340-6	5.4	73
122	Proteases in cancer drug delivery. <i>Advanced Drug Delivery Reviews</i> , <b>2016</b> , 97, 144-55	18.5	71
121	The roles of ADAMTS metalloproteinases in tumorigenesis and metastasis. <i>Frontiers in Bioscience - Landmark</i> , <b>2011</b> , 16, 1861-72	2.8	70
120	Metalloproteinases are enriched in microglia compared with leukocytes and they regulate cytokine levels in activated microglia. <i>Glia</i> , <b>2007</b> , 55, 516-26	9	70
119	Epithelial carcinogenesis: dynamic interplay between neoplastic cells and their microenvironment. <i>Differentiation</i> , <b>2002</b> , 70, 610-23	3.5	68
118	Differential expression of matrix metalloproteinases during impaired wound healing of the diabetes mouse. <i>Journal of Investigative Dermatology</i> , <b>2002</b> , 119, 91-8	4.3	68
117	ERK5 signalling in prostate cancer promotes an invasive phenotype. <i>British Journal of Cancer</i> , <b>2011</b> , 104, 664-72	8.7	66
116	ADAMTS8 and ADAMTS15 expression predicts survival in human breast carcinoma. <i>International Journal of Cancer</i> , <b>2006</b> , 118, 1241-7	7.5	66
115	Differential expression and localization of TIMP-1 and TIMP-4 in human gliomas. <i>British Journal of Cancer</i> , <b>2001</b> , 85, 55-63	8.7	66
114	A study of mitochondrial and nuclear transcription with cloned cDNA probes. Changes in the relative abundance of mitochondrial transcripts after stimulation of quiescent mouse fibroblasts. <i>Experimental Cell Research</i> , <b>1985</b> , 157, 127-43	4.2	65
113	HDAC-mediated control of ERK- and PI3K-dependent TGF- $\beta$ -induced extracellular matrix-regulating genes. <i>Matrix Biology</i> , <b>2010</b> , 29, 602-12	11.4	64
112	Identification, regulation and role of tissue inhibitor of metalloproteinases-4 (TIMP-4) in human platelets. <i>British Journal of Pharmacology</i> , <b>2002</b> , 137, 1330-8	8.6	64
111	Oncostatin M stimulates c-Fos to bind a transcriptionally responsive AP-1 element within the tissue inhibitor of metalloproteinase-1 promoter. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 5211-8	5.4	64
110	Tissue inhibitor of metalloproteinases-3 is the major metalloproteinase inhibitor in the decidualizing murine uterus. <i>Molecular Reproduction and Development</i> , <b>1996</b> , 45, 458-65	2.6	62
109	Altered microenvironment promotes progression of preinvasive breast cancer: myoepithelial expression of $\alpha$ 5 $\beta$ 1 integrin in DCIS identifies high-risk patients and predicts recurrence. <i>Clinical Cancer Research</i> , <b>2014</b> , 20, 344-57	12.9	61



108	Mycobacterium tuberculosis upregulates microglial matrix metalloproteinase-1 and -3 expression and secretion via NF-kappaB- and Activator Protein-1-dependent monocyte networks. <i>Journal of Immunology</i> , <b>2010</b> , 184, 6492-503	5.3	60
107	Avoiding spam in the proteolytic internet: future strategies for anti-metastatic MMP inhibition. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2010</b> , 1803, 95-102	4.9	60
106	Comprehensive profiling and localisation of the matrix metalloproteinases in urothelial carcinoma. <i>British Journal of Cancer</i> , <b>2006</b> , 94, 569-77	8.7	58
105	Differential expression of the ccn3 (nov) proto-oncogene in human prostate cell lines and tissues. <i>Journal of Clinical Pathology</i> , <b>2001</b> , 54, 275-80		58
104	Extracellular matrix and matrix metalloproteinases in sciatic nerve. <i>Journal of Neuroscience Research</i> , <b>2003</b> , 74, 417-29	4.4	57
103	Identification of an initiator-like element essential for the expression of the tissue inhibitor of metalloproteinases-4 (Timp-4) gene. <i>Biochemical Journal</i> , <b>2002</b> , 364, 89-99	3.8	57
102	Activation of pro-(matrix metalloproteinase-2) (pro-MMP-2) by thrombin is membrane-type-MMP-dependent in human umbilical vein endothelial cells and generates a distinct 63 kDa active species. <i>Biochemical Journal</i> , <b>2001</b> , 357, 107-15	3.8	56
101	Insights into the Mechanism of Quantum Dot-Sensitized Singlet Oxygen Production for Photodynamic Therapy. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 9334-9342	3.8	55
100	Collagenase-2 deficiency or inhibition impairs experimental autoimmune encephalomyelitis in mice. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 9465-74	5.4	55
99	Increase in gelatinase-specificity of matrix metalloproteinase inhibitors correlates with antimetastatic efficacy in a T-cell lymphoma model. <i>Cancer Research</i> , <b>2002</b> , 62, 5543-50	10.1	55
98	High levels of gelatinase-B and active gelatinase-A in metastatic glioblastoma. <i>Journal of Neuro-Oncology</i> , <b>1998</b> , 36, 21-9	4.8	54
97	Membrane-type 4 matrix metalloproteinase promotes breast cancer growth and metastases. <i>Cancer Research</i> , <b>2006</b> , 66, 5165-72	10.1	54
96	Matrix metalloproteinase-9 and tissue inhibitor of metalloproteinase-3 are key regulators of extracellular matrix degradation by mouse embryos. <i>Biology of Reproduction</i> , <b>2001</b> , 64, 1331-7	3.9	54
95	Temporal and spatial expression of tissue inhibitors of metalloproteinases during the natural ovulatory cycle of the mouse. <i>Biology of Reproduction</i> , <b>1996</b> , 55, 498-508	3.9	54
94	Reprogramming of TIMP-1 and TIMP-3 expression profiles in brain microvascular endothelial cells and astrocytes in response to proinflammatory cytokines. <i>FEBS Letters</i> , <b>1999</b> , 448, 9-14	3.8	53
93	Activation of key profibrotic mechanisms in transgenic fibroblasts expressing kinase-deficient type II Transforming growth factor- $\beta$ receptor (T $\beta$ RII $\Delta$ k). <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 16053-65	5.4	52
92	Quantitative reverse transcription-polymerase chain reaction (RT-PCR): a comparison of primer-dropping, competitive, and real-time RT-PCRs. <i>Analytical Biochemistry</i> , <b>2002</b> , 300, 269-73	3.1	51
91	Insulin-like growth factor-II regulates PTEN expression in the mammary gland. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 50422-7	5.4	51

90	Distinct functions of natural ADAM-15 cytoplasmic domain variants in human mammary carcinoma. <i>Molecular Cancer Research</i> , <b>2008</b> , 6, 383-94	6.6	47
89	Sequence motifs of tissue inhibitor of metalloproteinases 2 (TIMP-2) determining progelatinase A (proMMP-2) binding and activation by membrane-type metalloproteinase 1 (MT1-MMP). <i>Biochemical Journal</i> , <b>2003</b> , 372, 799-809	3.8	47
88	Expression and activity of ovarian tissue inhibitors of metalloproteinases during pseudopregnancy in the rat. <i>Biology of Reproduction</i> , <b>1995</b> , 53, 684-91	3.9	47
87	Development of a novel tumor-targeted vascular disrupting agent activated by membrane-type matrix metalloproteinases. <i>Cancer Research</i> , <b>2010</b> , 70, 6902-12	10.1	44
86	Matrix metalloproteinases mediate the dismantling of mesenchymal structures in the tadpole tail during thyroid hormone-induced tail resorption. <i>Developmental Dynamics</i> , <b>2002</b> , 223, 402-13	2.9	43
85	Perivascular cells regulate endothelial membrane type-1 matrix metalloproteinase activity. <i>Biochemical and Biophysical Research Communications</i> , <b>2001</b> , 282, 463-73	3.4	43
84	MMP2 activity is critical for TGF $\beta$ -induced matrix contraction—implications for fibrosis <b>2012</b> , 53, 4085-98		42
83	Monocyte-astrocyte networks regulate matrix metalloproteinase gene expression and secretion in central nervous system tuberculosis in vitro and in vivo. <i>Journal of Immunology</i> , <b>2007</b> , 178, 1199-207	5.3	42
82	Gene expression during the mammalian cell cycle. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , <b>1986</b> , 865, 83-125	11.2	42
81	Membrane type matrix metalloproteinases (MMPs) show differential expression in non-small cell lung cancer (NSCLC) compared to normal lung: correlation of MMP-14 mRNA expression and proteolytic activity. <i>European Journal of Cancer</i> , <b>2007</b> , 43, 1764-71	7.5	41
80	Expression of Sorsby's fundus dystrophy mutations in human retinal pigment epithelial cells reduces matrix metalloproteinase inhibition and may promote angiogenesis. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 13394-400	5.4	41
79	Sorsby's fundus dystrophy tissue inhibitor of metalloproteinases-3 (TIMP-3) mutants have unimpaired matrix metalloproteinase inhibitory activities, but affect cell adhesion to the extracellular matrix. <i>Matrix Biology</i> , <b>2002</b> , 21, 75-88	11.4	41
78	Matrix metalloproteinase 8 (collagenase 2) induces the expression of interleukins 6 and 8 in breast cancer cells. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 16282-16294	5.4	40
77	Reversible transdifferentiation of blood vascular endothelial cells to a lymphatic-like phenotype in vitro. <i>Journal of Cell Science</i> , <b>2010</b> , 123, 3808-16	5.3	40
76	Brk protects breast cancer cells from autophagic cell death induced by loss of anchorage. <i>American Journal of Pathology</i> , <b>2009</b> , 175, 1226-34	5.8	40
75	Tissue inhibitor of metalloproteinase-3 is up-regulated by transforming growth factor-beta1 in vitro and expressed in fibroblastic foci in vivo in idiopathic pulmonary fibrosis. <i>Experimental Lung Research</i> , <b>2006</b> , 32, 201-14	2.3	38
74	Metalloproteinase-dependent and -independent processes contribute to inhibition of breast cancer cell migration, angiogenesis and liver metastasis by a disintegrin and metalloproteinase with thrombospondin motifs-15. <i>International Journal of Cancer</i> , <b>2015</b> , 136, E14-26	7.5	37
73	Extracellular protease mRNAs are predominantly expressed in the stromal areas of microdissected mouse breast carcinomas. <i>Carcinogenesis</i> , <b>2005</b> , 26, 1233-40	4.6	36



72	TGF- $\beta$ -elicited induction of tissue inhibitor of metalloproteinases (TIMP)-3 expression in fibroblasts involves complex interplay between Smad3, p38 and ERK1/2. <i>PLoS ONE</i> , <b>2013</b> , 8, e57474	3.7	35
71	Expression of metalloproteinases and inhibitors in the differentiation of P19CL6 cells into cardiac myocytes. <i>Biochemical and Biophysical Research Communications</i> , <b>2004</b> , 322, 759-65	3.4	34
70	Banking of fresh-frozen prostate tissue: methods, validation and use. <i>BJU International</i> , <b>2003</b> , 91, 315-23; discussion 323-4	5.6	33
69	Systemic Ablation of MMP-9 Triggers Invasive Growth and Metastasis of Pancreatic Cancer via Deregulation of IL6 Expression in the Bone Marrow. <i>Molecular Cancer Research</i> , <b>2016</b> , 14, 1147-1158	6.6	32
68	Acute depletion of endothelial $\beta$ -integrin transiently inhibits tumor growth and angiogenesis in mice. <i>Circulation Research</i> , <b>2014</b> , 114, 79-91	15.7	31
67	G-helix of maspin mediates effects on cell migration and adhesion. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 36285-92	5.4	31
66	Telomere-dependent senescence. <i>Nature Biotechnology</i> , <b>1999</b> , 17, 313-4	44.5	30
65	Src stimulates fibroblast growth factor receptor-2 shedding by an ADAM15 splice variant linked to breast cancer. <i>Cancer Research</i> , <b>2009</b> , 69, 4573-6	10.1	27
64	The human tissue inhibitor of metalloproteinases (TIMP)-1 gene contains repressive elements within the promoter and intron 1. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 32664-71	5.4	27
63	Differential effects of histone deacetylase inhibitors on phorbol ester- and TGF- $\beta$ 1 induced murine tissue inhibitor of metalloproteinases-1 gene expression. <i>FEBS Journal</i> , <b>2005</b> , 272, 1912-26	5.7	26
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