

Barbara Mary Fingleton

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90 papers	10,428 citations	43 h-index	100 g-index
100 ext. papers	11,133 ext. citations	8.6 avg, IF	6.28 L-index

#	Paper	IF	Citations
90	Matrix metalloproteinase inhibitors and cancer: trials and tribulations. <i>Science</i> , 2002 , 295, 2387-92	33.3	2274
89	Matrix metalloproteinases: biologic activity and clinical implications. <i>Journal of Clinical Oncology</i> , 2000 , 18, 1135-49	2.2	1276
88	Expansion of myeloid immune suppressor Gr ⁺ CD11b ⁺ cells in tumor-bearing host directly promotes tumor angiogenesis. <i>Cancer Cell</i> , 2004 , 6, 409-21	24.3	940
87	The metalloproteinase matrilysin is a target of beta-catenin transactivation in intestinal tumors. <i>Oncogene</i> , 1999 , 18, 2883-91	9.2	598
86	The metalloproteinase matrilysin proteolytically generates active soluble Fas ligand and potentiates epithelial cell apoptosis. <i>Current Biology</i> , 1999 , 9, 1441-7	6.3	362
85	MMP-7 promotes prostate cancer-induced osteolysis via the solubilization of RANKL. <i>Cancer Cell</i> , 2005 , 7, 485-96	24.3	312
84	Moving targets: Emerging roles for MMPs in cancer progression and metastasis. <i>Matrix Biology</i> , 2015 , 44-46, 200-6	11.4	287
83	Matrix metalloproteinase-7-dependent release of tumor necrosis factor-alpha in a model of herniated disc resorption. <i>Journal of Clinical Investigation</i> , 2000 , 105, 143-50	15.9	281
82	Abnormal TNF activity in Timp3 ^{-/-} mice leads to chronic hepatic inflammation and failure of liver regeneration. <i>Nature Genetics</i> , 2004 , 36, 969-77	36.3	251
81	Matrix metalloproteinases: roles in cancer and metastasis. <i>Frontiers in Bioscience - Landmark</i> , 2006 , 11, 479-91	2.8	231
80	Matrix metalloproteinases as valid clinical targets. <i>Current Pharmaceutical Design</i> , 2007 , 13, 333-46	3.3	220
79	MMPs as therapeutic targets--still a viable option?. <i>Seminars in Cell and Developmental Biology</i> , 2008 , 19, 61-8	7.5	216
78	Epithelial NF-kappaB activation promotes urethane-induced lung carcinogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 18514-9	11.5	156
77	The PEA3 subfamily of Ets transcription factors synergizes with beta-catenin-LEF-1 to activate matrilysin transcription in intestinal tumors. <i>Molecular and Cellular Biology</i> , 2001 , 21, 1370-83	4.8	155
76	Development of a novel fluorogenic proteolytic beacon for in vivo detection and imaging of tumour-associated matrix metalloproteinase-7 activity. <i>Biochemical Journal</i> , 2004 , 377, 617-28	3.8	153
75	Matrix metalloproteinase-9 from bone marrow-derived cells contributes to survival but not growth of tumor cells in the lung microenvironment. <i>Cancer Research</i> , 2006 , 66, 259-66	10.1	142
74	Matrix metalloproteinase-3-dependent generation of a macrophage chemoattractant in a model of herniated disc resorption. <i>Journal of Clinical Investigation</i> , 2000 , 105, 133-41	15.9	142

73	Identification of novel matrix metalloproteinase-7 (matrilysin) cleavage sites in murine and human Fas ligand. <i>Archives of Biochemistry and Biophysics</i> , 2002 , 408, 155-61	4.1	127
72	Matrilysin [MMP-7] expression selects for cells with reduced sensitivity to apoptosis. <i>Neoplasia</i> , 2001 , 3, 459-68	6.4	125
71	Effect of ablation or inhibition of stromal matrix metalloproteinase-9 on lung metastasis in a breast cancer model is dependent on genetic background. <i>Cancer Research</i> , 2008 , 68, 6251-9	10.1	108
70	Matrix metalloproteinases as regulators of inflammatory processes. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017 , 1864, 2036-2042	4.9	100
69	Matrix metalloproteinase inhibitors for cancer therapy:the current situation and future prospects. <i>Expert Opinion on Therapeutic Targets</i> , 2003 , 7, 385-97	6.4	98
68	Cytokine stimulation of epithelial cancer cells: the similar and divergent functions of IL-4 and IL-13. <i>Cancer Research</i> , 2012 , 72, 6338-43	10.1	90
67	Systems-level analysis of proteolytic events in increased vascular permeability and complement activation in skin inflammation. <i>Science Signaling</i> , 2013 , 6, rs2	8.8	89
66	Epithelial interleukin-4 receptor expression promotes colon tumor growth. <i>Carcinogenesis</i> , 2010 , 31, 1010-7	4.6	79
65	A protective role of mast cells in intestinal tumorigenesis. <i>Carcinogenesis</i> , 2008 , 29, 880-6	4.6	75
64	Analysis of host- and tumor-derived proteinases using a custom dual species microarray reveals a protective role for stromal matrix metalloproteinase-12 in non-small cell lung cancer. <i>Cancer Research</i> , 2006 , 66, 7968-75	10.1	72
63	Macrophages promote progression of spasmolytic polypeptide-expressing metaplasia after acute loss of parietal cells. <i>Gastroenterology</i> , 2014 , 146, 1727-38.e8	13.3	71
62	Dietary selenium deficiency exacerbates DSS-induced epithelial injury and AOM/DSS-induced tumorigenesis. <i>PLoS ONE</i> , 2013 , 8, e67845	3.7	64
61	IL4 receptor ILR4 β regulates metastatic colonization by mammary tumors through multiple signaling pathways. <i>Cancer Research</i> , 2014 , 74, 4329-40	10.1	63
60	Selenoprotein P influences colitis-induced tumorigenesis by mediating stemness and oxidative damage. <i>Journal of Clinical Investigation</i> , 2015 , 125, 2646-60	15.9	62
59	Interleukin-5 facilitates lung metastasis by modulating the immune microenvironment. <i>Cancer Research</i> , 2015 , 75, 1624-1634	10.1	60
58	Targeting the Wnt pathway in synovial sarcoma models. <i>Cancer Discovery</i> , 2013 , 3, 1286-301	24.4	56
57	Targeting IL4/IL4R for the treatment of epithelial cancer metastasis. <i>Clinical and Experimental Metastasis</i> , 2015 , 32, 847-56	4.7	54
56	Matrix metalloproteinase 7 mediates mammary epithelial cell tumorigenesis through the ErbB4 receptor. <i>Cancer Research</i> , 2007 , 67, 6760-7	10.1	54

55	Increased plasma MMP9 in integrin alpha1-null mice enhances lung metastasis of colon carcinoma cells. <i>International Journal of Cancer</i> , 2005 , 116, 52-61	7.5	54
54	Lack of MMP10 exacerbates experimental colitis and promotes development of inflammation-associated colonic dysplasia. <i>Laboratory Investigation</i> , 2012 , 92, 1749-59	5.9	51
53	Host nuclear factor-kappaB activation potentiates lung cancer metastasis. <i>Molecular Cancer Research</i> , 2008 , 6, 364-71	6.6	51
52	Noninvasive Detection of Matrix Metalloproteinase Activity In Vivo using a Novel Magnetic Resonance Imaging Contrast Agent with a Solubility Switch. <i>Molecular Imaging</i> , 2007 , 6, 7290.2007.00035	3.7	49
51	Host-derived interleukin-5 promotes adenocarcinoma-induced malignant pleural effusion. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010 , 182, 1273-81	10.2	47
50	Tcf binding sequence and position determines beta-catenin and Lef-1 responsiveness of MMP-7 promoters. <i>Molecular Carcinogenesis</i> , 2004 , 41, 125-39	5	46
49	Matrilysin (matrix metalloproteinase-7) selects for apoptosis-resistant mammary cells in vivo. <i>Cancer Research</i> , 2002 , 62, 5559-63	10.1	44
48	Resident stromal cell-derived MMP-9 promotes the growth of colorectal metastases in the liver microenvironment. <i>International Journal of Cancer</i> , 2007 , 121, 495-500	7.5	43
47	Phase II AIDS Malignancy Consortium trial of topical halofuginone in AIDS-related Kaposi sarcoma. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2011 , 56, 64-8	3.1	40
46	Stromal matrix metalloproteinase 2 regulates collagen expression and promotes the outgrowth of experimental metastases. <i>Journal of Pathology</i> , 2015 , 235, 773-83	9.4	36
45	Cleavage of E-Cadherin by Matrix Metalloproteinase-7 Promotes Cellular Proliferation in Nontransformed Cell Lines via Activation of RhoA. <i>Journal of Oncology</i> , 2010 , 2010, 530745	4.5	36
44	IL4 receptor β mediates enhanced glucose and glutamine metabolism to support breast cancer growth. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015 , 1853, 1219-28	4.9	35
43	Matrix metalloproteinase-9 contributes to intestinal tumorigenesis in the adenomatous polyposis coli multiple intestinal neoplasia mouse. <i>International Journal of Experimental Pathology</i> , 2008 , 89, 466-75	2.8	33
42	MTGR1 is required for tumorigenesis in the murine AOM/DSS colitis-associated carcinoma model. <i>Cancer Research</i> , 2011 , 71, 1302-12	10.1	31
41	An osteoblast-derived proteinase controls tumor cell survival via TGF-beta activation in the bone microenvironment. <i>PLoS ONE</i> , 2012 , 7, e29862	3.7	30
40	Noninvasive detection of matrix metalloproteinase activity in vivo using a novel magnetic resonance imaging contrast agent with a solubility switch. <i>Molecular Imaging</i> , 2007 , 6, 393-403	3.7	30
39	Proliferative effects of apical, but not basal, matrix metalloproteinase-7 activity in polarized MDCK cells. <i>Experimental Cell Research</i> , 2005 , 303, 308-20	4.2	26
38	Proteinase activity in human and murine saliva as a biomarker for proteinase inhibitor efficacy. <i>Clinical Cancer Research</i> , 2004 , 10, 7865-74	12.9	22

37	An orthotopic model of lung cancer to analyze primary and metastatic NSCLC growth in integrin alpha1-null mice. <i>Clinical and Experimental Metastasis</i> , 2005 , 22, 185-93	4.7	22
36	The influence of matrix metalloproteinase-7 on early mammary tumorigenesis in the multiple intestinal neoplasia mouse. <i>Oncology Reports</i> , 2004 , 12, 13-7	3.5	21
35	A rat monoclonal antibody that recognizes pro- and active MMP-7 indicates polarized expression in vivo. <i>Hybridoma</i> , 2007 , 26, 22-7		19
34	Loss of functional Fas ligand enhances intestinal tumorigenesis in the Min mouse model. <i>Cancer Research</i> , 2007 , 67, 4800-6	10.1	18
33	Molecular targets in metastasis: lessons from genomic approaches. <i>Cancer Genomics and Proteomics</i> , 2007 , 4, 211-21	3.3	17
32	Matrix metalloproteinase-7 and premalignant host responses in Helicobacter pylori-infected mice. <i>Cancer Research</i> , 2010 , 70, 30-5	10.1	16
31	Hu/Mu ProtIn oligonucleotide microarray: dual-species array for profiling protease and protease inhibitor gene expression in tumors and their microenvironment. <i>Molecular Cancer Research</i> , 2007 , 5, 443-54	6.6	16
30	Role of matrix metalloproteinases in invasion and metastasis: biology, diagnosis and inhibitors. <i>Cytotechnology</i> , 1993 , 12, 367-84	2.2	16
29	Establishment and quantitative imaging of a 3D lung organotypic model of mammary tumor outgrowth. <i>Clinical and Experimental Metastasis</i> , 2008 , 25, 877-85	4.7	15
28	Kaiso directs the transcriptional corepressor MTG16 to the Kaiso binding site in target promoters. <i>PLoS ONE</i> , 2012 , 7, e51205	3.7	15
27	Matrix metalloproteinases as targets for therapy in Kaposi sarcoma. <i>Current Opinion in Oncology</i> , 2001 , 13, 368-73	4.2	14
26	Use of bioluminescent imaging to investigate the role of nuclear factor-kappaBeta in experimental non-small cell lung cancer metastasis. <i>Clinical and Experimental Metastasis</i> , 2008 , 25, 43-51	4.7	12
25	Lessons from immunology: IL4R directly promotes mammary tumor metastasis. <i>OncolImmunology</i> , 2014 , 3, e955373	7.2	11
24	Functional colonography of Min mice using dark lumen dynamic contrast-enhanced MRI. <i>Magnetic Resonance in Medicine</i> , 2008 , 60, 718-26	4.4	9
23	MMP Inhibitor Clinical Trials The Past, Present, and Future 2008 , 759-785		9
22	CMT-3. CollaGenex. <i>Current Opinion in Investigational Drugs</i> , 2003 , 4, 1460-7		9
21	Proteases in Cancer: Significance for Invasion and Metastasis 2013 , 491-550		8
20	The importance of developing therapies targeting the biological spectrum of metastatic disease. <i>Clinical and Experimental Metastasis</i> , 2019 , 36, 305-309	4.7	7

19	Blood vessel epicardial substance (BVES) reduces LRP6 receptor and cytoplasmic -catenin levels to modulate Wnt signaling and intestinal homeostasis. <i>Carcinogenesis</i> , 2019 ,	4.6	5
18	Non-canonical roles for metabolic enzymes and intermediates in malignant progression and metastasis. <i>Clinical and Experimental Metastasis</i> , 2019 , 36, 211-224	4.7	5
17	Development of a novel murine model of lymphatic metastasis. <i>Clinical and Experimental Metastasis</i> , 2020 , 37, 247-255	4.7	3
16	The influence of matrix metalloproteinase-7 on early mammary tumorigenesis in the multiple intestinal neoplasia mouse. <i>Oncology Reports</i> ,	3.5	3
15	A new dress code for MMPs: cleavage optional. <i>Developmental Cell</i> , 2010 , 18, 3-4	10.2	2
14	Matrix Metalloproteinase-10/Stromelysin 2 2013 , 774-778		1
13	Cytokine regulation of matrilysin gene expression. <i>Biochemical Society Transactions</i> , 1997 , 25, 155S	5.1	1
12	Glycosylation as a regulator of site-specific metastasis.. <i>Cancer and Metastasis Reviews</i> , 2021 , 41, 107	9.6	1
11	MMPs 2017 , 591-601		
10	Perspective on the interpretation of research and translation to clinical care with therapy-associated metastatic breast cancer progression as an example. <i>Clinical and Experimental Metastasis</i> , 2017 , 34, 443-447	4.7	
9	Role of Matrix Metalloproteinases in Tumor Invasion and Metastasis 183-190		
8	Host-Tumor interactions influencing cancer progression. <i>Drug Discovery Today Disease Mechanisms</i> , 2005 , 2, 199-204		
7	From tadpoles to TIMPs ¶making the most of MMPs. <i>Trends in Cell Biology</i> , 2001 , 11, 456-457	18.3	
6	From tadpoles to TIMPs ¶making the most of MMPs. <i>Trends in Cell Biology</i> , 2001 , 11, 456-457	18.3	
5	Apoptotic responses common to cancer and inflammation 2004 , 123-145		
4	Role of matrix metalloproteinases in invasion and metastasis: biology, diagnosis and inhibitors 1994 , 367-384		
3	Cancer in Context: Importance of the Tumor Microenvironment 2010 , 43-63		
2	MMPs 2014 , 1-11		

- 1 Measurement of Metabolites from Migrating Cells. *Methods in Molecular Biology*, **2021**, 2294, 143-150 1.4