

# Dong Liu Barraclough

## List of Publications by Year in descending order

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97  
papers

4,150  
citations

101384

36  
h-index

123241

61  
g-index

100  
all docs

100  
docs citations

100  
times ranked

3674  
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein synthesis in chloroplasts IX. Assembly of newly-synthesized large subunits into ribulose bishosphate carboxylase in isolated intact pea chloroplasts. <i>Nucleic Acids and Protein Synthesis</i> , 1980, 608, 19-31.	1.7	263
2	Human Homologue of Cement Gland Protein, a Novel Metastasis Inducer Associated with Breast Carcinomas. <i>Cancer Research</i> , 2005, 65, 3796-3805.	0.4	208
3	Prognostic significance of the metastasis-associated protein osteopontin in human breast cancer. <i>Cancer Research</i> , 2002, 62, 3417-27.	0.4	200
4	Expression and splicing of the unfolded protein response gene XBP1 are significantly associated with clinical outcome of endocrine-treated breast cancer. <i>International Journal of Cancer</i> , 2008, 123, 85-88.	2.3	149
5	Joining S100 proteins and migration: for better or for worse, in sickness and in health. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 1551-1579.	2.4	144
6	Induction of Metastasis by S100P in a Rat Mammary Model and Its Association with Poor Survival of Breast Cancer Patients. <i>Cancer Research</i> , 2006, 66, 1199-1207.	0.4	142
7	Significance of the metastasis-inducing protein AGR2 for outcome in hormonally treated breast cancer patients. <i>British Journal of Cancer</i> , 2006, 94, 1057-1065.	2.9	136
8	Calcium-binding protein S100A4 in health and disease. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1998, 1448, 190-199.	1.9	119
9	Expression of calcium-binding protein S100A2 in breast lesions. <i>British Journal of Cancer</i> , 2000, 83, 1473-1479.	2.9	115
10	Human S100A4 (p9Ka) induces the metastatic phenotype upon benign tumour cells. <i>Oncogene</i> , 1998, 17, 465-473.	2.6	108
11	Expression of S100A4 protein is associated with metastasis and reduced survival in human bladder cancer. <i>Journal of Pathology</i> , 2002, 196, 292-299.	2.1	104
12	Molecular cloning and sequence of the gene for p9Ka a cultured myoepithelial cell protein with strong homology to S-100, a calcium-binding protein. <i>Journal of Molecular Biology</i> , 1987, 198, 13-20.	2.0	102
13	Circulating microRNAs as potential diagnostic biomarkers for osteoporosis. <i>Scientific Reports</i> , 2018, 8, 8421.	1.6	84
14	Association of S100A4 and osteopontin with specific prognostic factors and survival of patients with minimally invasive breast cancer.. <i>Clinical Cancer Research</i> , 2006, 12, 1192-1200.	3.2	81
15	The Metastasis-Associated Anterior Gradient 2 Protein Is Correlated with Poor Survival of Breast Cancer Patients. <i>American Journal of Pathology</i> , 2009, 175, 1848-1857.	1.9	80
16	Single-Molecule Imaging and Fluorescence Lifetime Imaging Microscopy Show Different Structures for High- and Low-Affinity Epidermal Growth Factor Receptors in A431 Cells. <i>Biophysical Journal</i> , 2008, 94, 803-819.	0.2	79
17	Identification of mRNAs differentially-expressed between benign and malignant breast tumour cells. <i>British Journal of Cancer</i> , 2002, 87, 423-431.	2.9	78
18	Binding to Intracellular Targets of the Metastasis-Inducing Protein, S100A4 (p9Ka). <i>Biochemical and Biophysical Research Communications</i> , 2001, 286, 1212-1217.	1.0	77

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19	Comparison of the metastasis-inducing protein S100A4 (p9ka) with other prognostic markers in human breast cancer. , 2000, 89, 198-208.		73
20	Increased expression of anterior gradient-2 is significantly associated with poor survival of prostate cancer patients. Prostate Cancer and Prostatic Diseases, 2007, 10, 293-300.	2.0	70
21	The Biosynthesis of Ribulose Bisphosphate Carboxylase. Uncoupling of the Synthesis of the Large and Small Subunits in Isolated Soybean Leaf Cells. FEBS Journal, 1979, 94, 165-177.	0.2	68
22	Interaction in Vivo and in Vitro of the Metastasis-inducing S100 Protein, S100A4 (p9Ka) with S100A1. Journal of Biological Chemistry, 2000, 275, 11141-11146.	1.6	66
23	S100P Dissociates Myosin IIA Filaments and Focal Adhesion Sites to Reduce Cell Adhesion and Enhance Cell Migration. Journal of Biological Chemistry, 2012, 287, 15330-15344.	1.6	64
24	Differential Modulation of Transcriptional Activity of Estrogen Receptors by Direct Protein-Protein Interactions with the T Cell Factor Family of Transcription Factors. Journal of Biological Chemistry, 2001, 276, 41675-41682.	1.6	59
25	The Crystal Structure at 2Å... Resolution of the Ca <sup>2+</sup> -binding Protein S100P. Journal of Molecular Biology, 2003, 325, 785-794.	2.0	58
26	Metastasis-Promoting Anterior Gradient 2 Protein Has a Dimeric Thioredoxin Fold Structure and a Role in Cell Adhesion. Journal of Molecular Biology, 2013, 425, 929-943.	2.0	55
27	METASTASIS-INDUCING DNA REGULATES THE EXPRESSION OF THE OSTEOPONTIN GENE BY BINDING THE TRANSCRIPTION FACTOR TCF-4. , 2002, 61, 5619-29.		50
28	Mutually antagonistic actions of S100A4 and S100A1 on normal and metastatic phenotypes. Oncogene, 2005, 24, 1445-1454.	2.6	48
29	Asymmetric Mode of Ca <sup>2+</sup> -S100A4 Interaction with Nonmuscle Myosin IIA Generates Nanomolar Affinity Required for Filament Remodeling. Structure, 2012, 20, 654-666.	1.6	46
30	Isolation of an effector for metastasis-inducing DNAs from a human metastatic carcinoma cell line. Oncogene, 1997, 14, 1581-1588.	2.6	45
31	The basic C-terminal amino acids of calcium-binding protein S100A4 promote metastasis. Carcinogenesis, 2008, 29, 2259-2266.	1.3	43
32	Aberrant expression of metastasis-inducing proteins in ectopic and matched eutopic endometrium of women with endometriosis: implications for the pathogenesis of endometriosis. Human Reproduction, 2012, 27, 394-407.	0.4	43
33	Control of Protein Synthesis in Cuboidal Rat Mammary Epithelial Cells in Culture. Changes in Gene Expression Accompany the Formation of Elongated Cells. FEBS Journal, 1982, 129, 335-341.	0.2	42
34	Synthesis of basic fibroblast growth factor upon differentiation of rat mammary epithelial to myoepithelial-like cells in culture. Journal of Cellular Physiology, 1990, 144, 333-344.	2.0	42
35	Increased plasma concentrations of anterior gradient 2 protein are positively associated with ovarian cancer. Clinical Science, 2010, 118, 717-725.	1.8	42
36	The C-terminal region of S100A4 is important for its metastasis-inducing properties. Oncogene, 2005, 24, 4401-4411.	2.6	41

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37	Isolation of Simian Virus 40-transformed human mammary epithelial stem cell lines that can differentiate to myoepithelial-like cells in culture and in vivo. <i>Developmental Biology</i> , 1989, 136, 167-180.	0.9	40
38	ATP depletion induces translocation of STIM1 to puncta and formation of STIM1-ORAI1 clusters: translocation and re-translocation of STIM1 does not require ATP. <i>Pflugers Archiv European Journal of Physiology</i> , 2008, 457, 505-517.	1.3	40
39	Cytoplasmic staining of c-erbB-2 is not associated with the presence of detectable c-erbB-2 mRNA in breast cancer specimens. , 1998, 76, 459-463.		39
40	Self-association of Calcium-binding Protein S100A4 and Metastasis. <i>Journal of Biological Chemistry</i> , 2010, 285, 914-922.	1.6	37
41	Significance of the Fanconi Anemia FANCD2 Protein in Sporadic and Metastatic Human Breast Cancer. <i>American Journal of Pathology</i> , 2010, 176, 2935-2947.	1.9	37
42	Regulatory region of metastasis-inducing DNA is the binding site for T cell factor-4. <i>Oncogene</i> , 2001, 20, 1793-1797.	2.6	36
43	A rapid procedure for production of human basic fibroblast growth factor in <i>Escherichia coli</i> cells. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1992, 1131, 307-310.	2.4	34
44	Transfection of S100A4 Produces Metastatic Variants of an Orthotopic Model of Bladder Cancer. <i>American Journal of Pathology</i> , 2002, 160, 693-700.	1.9	34
45	Expression of the Rat, S-100-Related, Calcium-Binding Protein Gene, p9Ka, in Transgenic Mice Demonstrates Different Patterns of Expression Between These Two Species. <i>DNA and Cell Biology</i> , 1995, 14, 825-832.	0.9	32
46	Differential control of mRNA levels for Thy-1 antigen and laminin in rat mammary epithelial and myoepithelial-like cells. <i>Journal of Cellular Physiology</i> , 1987, 131, 393-401.	2.0	31
47	Heterodimeric interaction and interfaces of S100A1 and S100P. <i>Biochemical Journal</i> , 2004, 382, 375-383.	1.7	31
48	Variant estrogen receptor $\beta$ mRNAs in human breast cancer specimens. <i>International Journal of Cancer</i> , 2000, 88, 209-216.	2.3	29
49	Localisation by in situ hybridisation of S100A4 (p9Ka) mRNA in primary human breast tumour specimens. , 2000, 86, 219-228.		28
50	Elevated expression of calcium-binding protein p9Ka is associated with increasing malignant characteristics of rat prostate carcinoma cells. , 1997, 71, 832-837.		26
51	Stem cells in mammary gland differentiation and cancer. <i>Journal of Cell Science</i> , 1988, 1988, 95-114.	1.2	25
52	Stem cells in breast epithelia. <i>International Journal of Experimental Pathology</i> , 1998, 79, 193-206.	0.6	25
53	Interaction of metastasis-inducing S100A4 protein in vivo by fluorescence lifetime imaging microscopy. <i>European Biophysics Journal</i> , 2005, 34, 19-27.	1.2	25
54	Elongated cells derived from rat mammary cuboidal epithelial cell lines resemble cultured mesenchymal cells in their pattern of protein synthesis. <i>Biochemical and Biophysical Research Communications</i> , 1984, 120, 351-358.	1.0	24

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55	S100A4 Elevation Empowers Expression of Metastasis Effector Molecules in Human Breast Cancer. <i>Cancer Research</i> , 2017, 77, 780-789.	0.4	22
56	Mammary stem cells in normal development and cancer. , 1997, , 147-232.		22
57	Ectopic production of heparin-binding growth factors and receptors for basic fibroblast growth factor by rat mammary epithelial cell lines derived from malignant metastatic tumours. <i>International Journal of Cancer</i> , 1993, 54, 629-635.	2.3	20
58	Control of type IV collagen production in rat mammary epithelial and myoepithelial-like cells. <i>Journal of Cellular Physiology</i> , 1986, 128, 76-84.	2.0	18
59	High-level production of human acidic fibroblast growth factor in <i>E. coli</i> cells: Inhibition of DNA synthesis in rat mammary fibroblasts at high concentrations of growth factor. <i>Biochemical and Biophysical Research Communications</i> , 1990, 171, 963-971.	1.0	18
60	Transcriptional Down-regulation of the Metastasis-inducing S100A4 (p9Ka) in Benign but Not in Malignant Rat Mammary Epithelial Cells by GC-factor. <i>Journal of Biological Chemistry</i> , 1997, 272, 20283-20290.	1.6	17
61	Statistical Association of Basal Cell Keratins with Metastasis-Inducing Proteins in a Prognostically Unfavorable Group of Sporadic Breast Cancers. <i>American Journal of Pathology</i> , 2011, 179, 1061-1072.	1.9	17
62	Production of the metastatic phenotype by DNA transfection in a rat mammary model.. <i>Cell Biology International</i> , 1993, 17, 871-880.	1.4	16
63	The metastasis-inducing protein AGR2 is O-glycosylated upon secretion from mammary epithelial cells. <i>Molecular and Cellular Biochemistry</i> , 2015, 408, 245-252.	1.4	14
64	Generation of Metastatic Variants by Transfection of a Nonmetastatic Rat Mammary Epithelial Cell Line with DNA from a Metastatic Rat Mammary Cell Line. <i>Pathobiology</i> , 1990, 58, 329-342.	1.9	13
65	Calcium-ion binding by the potential calcium-ion-binding protein, p9Ka. <i>Biochemical and Biophysical Research Communications</i> , 1990, 169, 660-666.	1.0	13
66	Cathepsin Z as a novel potential biomarker for osteoporosis. <i>Scientific Reports</i> , 2019, 9, 9752.	1.6	12
67	High AGR2 protein is a feature of low grade endometrial cancer cells. <i>Oncotarget</i> , 2018, 9, 31459-31472.	0.8	11
68	Differential Reactivity of the RatS100A4(p9Ka) Gene to Sodium Bisulfite Is Associated with Differential Levels of the S100A4 (p9Ka) mRNA in Rat Mammary Epithelial Cells. <i>Journal of Biological Chemistry</i> , 1999, 274, 2483-2491.	1.6	10
69	S100A4 downregulates filopodia formation through increased dynamic instability. <i>Cell Adhesion and Migration</i> , 2011, 5, 439-447.	1.1	10
70	Synthesis, Transport and Assembly of Chloroplast Proteins. , 1980, , 321-335.		10
71	<i>S100A3</i> mRNA expression displays an inverse correlation to breast cancer progression. <i>Biochemical Society Transactions</i> , 1996, 24, 340S-340S.	1.6	9
72	Prostaglandin F <sub>2</sub> ± (PGF <sub>2</sub> ±) Induces Cyclin D1 Expression and DNA Synthesis via Early Signaling Mechanisms in Swiss Mouse 3T3 Cells. <i>Biochemical and Biophysical Research Communications</i> , 2000, 270, 11-16.	1.0	9

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73	Assessing Estrogen-Induced Proliferative Response in an Endometrial Cancer Cell Line Using a Universally Applicable Methodological Guide. <i>International Journal of Gynecological Cancer</i> , 2018, 28, 122-133.	1.2	9
74	Differentiation of simian virus 40 transformed human mammary epithelial stem cell lines to myoepithelial-like cells is associated with increased expression of viral large T antigen. <i>Journal of Cellular Physiology</i> , 1990, 142, 657-665.	2.0	8
75	Examination of tumour histopathology and gene expression in a neu/S100A4 transgenic model of metastatic breast cancer. <i>International Journal of Experimental Pathology</i> , 2003, 84, 173-184.	0.6	8
76	Altered Levels of mRNAs for Calcium-Binding/Associated Proteins, Annexin A1, S100A4, and TMEM64, in Peripheral Blood Mononuclear Cells Are Associated with Osteoporosis. <i>Disease Markers</i> , 2019, 2019, 1-9.	0.6	7
77	Effect on tumorigenicity and metastasis of transfection of a diploid benign rat mammary epithelial cell line with DNA corresponding to the mRNA for basic fibroblast growth factor. , 1996, 65, 104-111.		6
78	Activation of tissue plasminogen activator by metastasis-inducing S100P protein. <i>Biochemical Journal</i> , 2017, 474, 3227-3240.	1.7	6
79	Transfection of a non-metastatic diploid rat mammary epithelial cell line with the oncogenes for EJ-RAS-1 and polyoma large T antigen. <i>International Journal of Cancer</i> , 1990, 46, 1071-1080.	2.3	5
80	Protein interactions between S100A4 (p9Ka) and other cellular proteins identified using <i>in vitro</i> methods. <i>Biochemical Society Transactions</i> , 1996, 24, 341S-341S.	1.6	4
81	Regulatory elements in the first intron of the rat S100A4 (p9Ka) gene. <i>Biochemical Society Transactions</i> , 1996, 24, 352S-352S.	1.6	4
82	The identification of metastasis-related gene products in a rodent mammary tumour model. <i>Biochemical Society Transactions</i> , 1996, 24, 353S-353S.	1.6	4
83	Preliminary X-ray crystallographic analysis of a Ca <sup>2+</sup> -binding protein human S100A1. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 882-883.	2.5	4
84	Microarray analysis of suppression subtracted hybridisation libraries identifies genes associated with breast cancer progression. <i>Cellular Oncology</i> , 2010, 32, 87-99.	1.9	4
85	Purification, crystallization and preliminary X-ray diffraction studies of a Ca <sup>2+</sup> -binding protein, human S100P. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002, 58, 694-696.	2.5	3
86	Molecular analysis of a collection of clinical specimens stored at 4°C as an alternative to snap-freezing. <i>International Journal of Oncology</i> , 2009, , .	1.4	3
87	Crystallization and preliminary crystallographic analysis of a metastasis-inducing protein, human S100A4. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002, 58, 127-129.	2.5	2
88	The Role of the C-Terminal Lysine of S100P in S100P-Induced Cell Migration and Metastasis. <i>Biomolecules</i> , 2021, 11, 1471.	1.8	2
89	Gramicidin S Synthetase: Variations in the Activities of the Light and Heavy Enzymes with Growth of Culture of <i>Bacillus brevis</i> . <i>Biochemical Society Transactions</i> , 1975, 3, 534-536.	1.6	1
90	Human diadenosine 5'-P <sub>1</sub> ,P <sub>4</sub> -tetrakisphosphate pyrophosphohydrolase (Ap <sub>4</sub> A hydrolase) possesses a MutT motif. <i>Biochemical Society Transactions</i> , 1996, 24, 209S-209S.	1.6	1

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91	Growth & mammary abnormalities in mice containing an altered calcium-binding protein transgene. Biochemical Society Transactions, 1996, 24, 356S-356S.	1.6	1
92	AGR2, a novel metastasis inducing protein with an effect on breast cancer patient survival. Breast Cancer Research, 2006, 8, 1.	2.2	1
93	p9Ka, A Calcium-Ion-Binding Protein of Cultured Myoepithelial Cells. , 1991, , 105-123.		1
94	Control of expression of the novel potential calcium-binding protein, p9Ka, in cultured rat mammary cells. Biochemical Society Transactions, 1988, 16, 1061-1062.	1.6	0
95	Hormonal control of transcription from two mammary specific promoters in a rat mammary epithelial cell line. Biochemical Society Transactions, 1996, 24, 351S-351S.	1.6	0
96	Identification of the region(s) of human DNA responsible for metastasis in breast cancer. Biochemical Society Transactions, 1996, 24, 354S-354S.	1.6	0
97	Metastasis-inducing protein S100A4 interacts with p53 in the nuclei of living cells. Precision Radiation Oncology, 2019, 3, 23-28.	0.4	0