

Brenda L Coomber

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

2,905
citations

236612

25
h-index

168136

53
g-index

61
all docs

61
docs citations

61
times ranked

3955
citing authors

#	ARTICLE	IF	CITATIONS
1	Oncogenic events regulate tissue factor expression in colorectal cancer cells: implications for tumor progression and angiogenesis. <i>Blood</i> , 2005, 105, 1734-1741.	0.6	512
2	Effect of p53 Status on Tumor Response to Antiangiogenic Therapy. <i>Science</i> , 2002, 295, 1526-1528.	6.0	419
3	Possible mechanisms of acquired resistance to anti-angiogenic drugs: implications for the use of combination therapy approaches. <i>Cancer and Metastasis Reviews</i> , 2001, 20, 79-86.	2.7	218
4	Induction of DNA Hypomethylation by Tumor Hypoxia. <i>Epigenetics</i> , 2007, 2, 119-125.	1.3	170
5	Vascular Endothelial Growth Factor and Its Receptor, Flk-1/KDR, Are Cytoprotective in the Extravascular Compartment of the Ovarian Follicle. <i>Endocrinology</i> , 2004, 145, 2896-2905.	1.4	132
6	Heterogeneous Vascular Dependence of Tumor Cell Populations. <i>American Journal of Pathology</i> , 2001, 158, 1325-1334.	1.9	121
7	Metabolic reprogramming in the tumour microenvironment: a hallmark shared by cancer cells and T lymphocytes. <i>Immunology</i> , 2017, 152, 175-184.	2.0	82
8	What do oncogenic mutations have to do with angiogenesis/vascular dependence of tumors?. <i>Cancer Research</i> , 2002, 62, 1931-4.	0.4	81
9	Autocrine VEGF/KDR loop protects epithelial ovarian carcinoma cells from anoikis. <i>International Journal of Cancer</i> , 2009, 124, 553-561.	2.3	78
10	A paradigm for therapy-induced microenvironmental changes in solid tumors leading to drug resistance. <i>Differentiation</i> , 2002, 70, 599-609.	1.0	61
11	The effects of folic acid on global DNA methylation and colonosphere formation in colon cancer cell lines. <i>Journal of Nutritional Biochemistry</i> , 2015, 26, 818-826.	1.9	57
12	Ischemia dysregulates DNA methyltransferases and p16INK4a methylation in human colorectal cancer cells. <i>Epigenetics</i> , 2010, 5, 547-556.	1.3	53
13	Solamargine triggers cellular necrosis selectively in different types of human melanoma cancer cells through extrinsic lysosomal mitochondrial death pathway. <i>Cancer Cell International</i> , 2016, 16, 11.	1.8	50
14	Ischemia-Induced K-ras Mutations in Human Colorectal Cancer Cells: Role of Microenvironmental Regulation of MSH2 Expression. <i>Cancer Research</i> , 2005, 65, 8134-8141.	0.4	49
15	Sodium dichloroacetate (DCA) reduces apoptosis in colorectal tumor hypoxia. <i>Cancer Letters</i> , 2010, 297, 75-83.	3.2	46
16	Microenvironmental influences on mutagenesis in mammary epithelial cells. <i>International Journal of Cancer</i> , 2005, 116, 679-685.	2.3	45
17	The Effect of Bevacizumab on Human Malignant Melanoma Cells with Functional VEGF/VEGFR2 Autocrine and Intracrine Signaling Loops. <i>Neoplasia</i> , 2012, 14, 612-616.	2.3	43
18	Heterogeneity of Tie2 Expression in Tumor Microcirculation. <i>American Journal of Pathology</i> , 2005, 167, 1753-1762.	1.9	37

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19	Cytoskeleton in TGF- β 2- and bFGF-modulated endothelial monolayer repair. <i>Experimental Cell Research</i> , 1991, 194, 42-47.	1.2	36
20	Effects of human IL-8 isoforms on bovine neutrophil function in vitro. <i>Veterinary Immunology and Immunopathology</i> , 2000, 74, 71-85.	0.5	36
21	Suramin inhibits C6 glioma-induced angiogenesis in vitro. <i>Journal of Cellular Biochemistry</i> , 1995, 58, 199-207.	1.2	29
22	VEGFR2 heterogeneity and response to anti-angiogenic low dose metronomic cyclophosphamide treatment. <i>BMC Cancer</i> , 2010, 10, 683.	1.1	29
23	Pyruvate dehydrogenase kinase expression and metabolic changes following dichloroacetate exposure in anoxic human colorectal cancer cells. <i>Experimental Cell Research</i> , 2015, 331, 73-81.	1.2	29
24	VEGFR2 Expression and TGF- β 2 Signaling in Initial and Recurrent High-Grade Human Glioma. <i>Oncology</i> , 2011, 81, 126-134.	0.9	28
25	Receptor Tyrosine Kinase Expression Profiles in Canine Cutaneous and Subcutaneous Mast Cell Tumors. <i>Veterinary Pathology</i> , 2016, 53, 545-558.	0.8	28
26	Characterization of cancer stem cell drug resistance in the human colorectal cancer cell lines HCT116 and SW480. <i>Biochemical and Biophysical Research Communications</i> , 2017, 490, 29-35.	1.0	28
27	Molecular blockade of VEGFR2 in human epithelial ovarian carcinoma cells. <i>Laboratory Investigation</i> , 2010, 90, 709-723.	1.7	25
28	Differential effect of hypoxia on early endothelial- \rightarrow mesenchymal transition response to transforming growth beta isoforms 1 and 2. <i>Microvascular Research</i> , 2016, 108, 48-63.	1.1	24
29	Production of Gelatinases and Tissue Inhibitors of Matrix Metalloproteinases by Equine Ovarian Stromal Cells In Vitro. <i>Biology of Reproduction</i> , 1999, 60, 1-7.	1.2	22
30	Immunohistological Insight into the Correlation between Neuropilin-1 and Epithelial-Mesenchymal Transition Markers in Epithelial Ovarian Cancer. <i>Journal of Histochemistry and Cytochemistry</i> , 2014, 62, 619-631.	1.3	22
31	Angiogenesis and the role of epigenetics in metastasis. <i>Clinical and Experimental Metastasis</i> , 2003, 20, 215-227.	1.7	21
32	Dichloroacetate affects proliferation but not survival of human colorectal cancer cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2015, 20, 63-74.	2.2	20
33	Clinical validation of a next-generation sequencing-based multi-cancer early detection \rightarrow liquid biopsy \rightarrow blood test in over 1,000 dogs using an independent testing set: The CANcer Detection in Dogs (CANDiD) study. <i>PLoS ONE</i> , 2022, 17, e0266623.	1.1	20
34	Epithelial and fibroblast cell lines cultured from the transgenic BigBlue \rightarrow , \rightarrow rat: an in vitro mutagenesis assay. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2001, 497, 39-47.	0.9	19
35	Modeling of Hypo/Hyperglycemia and Their Impact on Breast Cancer Progression Related Molecules. <i>PLoS ONE</i> , 2014, 9, e113103.	1.1	19
36	Bovine platelet adhesion is enhanced by leukotoxin and sialoglycoprotease isolated from <i>Pasteurella haemolytica</i> A1 cultures. <i>Veterinary Microbiology</i> , 1998, 61, 81-91.	0.8	18

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37	2-Amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP)-induced mutagenesis in cultured Big Blue [®] rat mammary epithelial and fibroblast cells. <i>Environmental and Molecular Mutagenesis</i> , 2002, 39, 245-253.	0.9	17
38	Glucose is a key regulator of VEGFR2/KDR in human epithelial ovarian carcinoma cells. <i>Biochemical and Biophysical Research Communications</i> , 2009, 390, 130-135.	1.0	17
39	The effect of 3-bromopyruvate on human colorectal cancer cells is dependent on glucose concentration but not hexokinase II expression. <i>Bioscience Reports</i> , 2016, 36, e00299.	1.1	17
40	Potential Involvement of Gelatinases and Their Inhibitors in Mannheimia haemolytica Pneumonia in Cattle. <i>Infection and Immunity</i> , 2004, 72, 4393-4400.	1.0	16
41	Comparison of in vitro function of neutrophils from cattle deficient in plasma factor XI activity and from normal animals. <i>Veterinary Immunology and Immunopathology</i> , 1997, 58, 121-131.	0.5	14
42	Hexokinase II expression is correlated with colorectal cancer prognosis. <i>Cancer Treatment Communications</i> , 2016, 6, 11-16.	0.4	13
43	Mutagenicity of the oral carcinogen 4-nitroquinoline-1-oxide in cultured BigBlue [®] rat tongue epithelial cells and fibroblasts. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2003, 522, 107-117.	0.4	12
44	Pilot assessment of vascular endothelial growth factor receptors and trafficking pathways in recurrent and metastatic canine subcutaneous mast cell tumours. <i>Veterinary Medicine and Science</i> , 2017, 3, 146-155.	0.6	12
45	Colorectal carcinoma cell production of transforming growth factor beta decreases expression of endothelial cell vascular endothelial growth factor receptor 2. <i>Cancer</i> , 2011, 117, 5601-5611.	2.0	11
46	Influence of mitomycin C on endothelial monolayer regeneration in vitro. <i>Journal of Cellular Biochemistry</i> , 1992, 50, 293-300.	1.2	10
47	Genome-Wide Analysis in Human Colorectal Cancer Cells Reveals Ischemia-Mediated Expression of Motility Genes via DNA Hypomethylation. <i>PLoS ONE</i> , 2014, 9, e103243.	1.1	9
48	Modulation of the Tumor Suppressor Protein β -Catenin by Ischemic Microenvironment. <i>American Journal of Pathology</i> , 2009, 175, 1662-1674.	1.9	8
49	KRAS Mutations in Canine and Feline Pancreatic Acinar Cell Carcinoma. <i>Journal of Comparative Pathology</i> , 2016, 155, 24-28.	0.1	8
50	Clopidogrel induced suppression of bovine platelet activation in vitro and a preliminary study of its effect on the development of Mannheimia haemolytica induced pneumonia. <i>Veterinary Journal</i> , 2006, 171, 126-134.	0.6	7
51	Differential Expression of Tie2 Receptor and VEGFR2 by Endothelial Clones Derived from Isolated Bovine Mononuclear Cells. <i>PLoS ONE</i> , 2012, 7, e53385.	1.1	7
52	Whole genome sequencing analysis of high confidence variants of B-cell lymphoma in Canis familiaris. <i>PLoS ONE</i> , 2020, 15, e0238183.	1.1	5
53	Heterogeneity of vascular and progenitor cell compartments in tumours from MMTV-PyVmT transgenic mice during mammary cancer progression. <i>International Journal of Experimental Pathology</i> , 2011, 92, 106-116.	0.6	4
54	RNA-Seq analysis of gene expression in 25 cases of canine lymphoma undergoing CHOP chemotherapy. <i>BMC Research Notes</i> , 2022, 15, 111.	0.6	4

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55	Limb regeneration blastema cells in the adult newt, <i>Notophthalmus viridescens</i> , give aberrant response to colchicine. <i>Canadian Journal of Zoology</i> , 1983, 61, 553-559.	0.4	2
56	Beclin-1 is a novel predictive biomarker for canine cutaneous and subcutaneous mast cell tumors. <i>Veterinary Pathology</i> , 2021, , 030098582110425.	0.8	2
57	Role of Transforming Growth Factor Beta in Angiogenesis. , 2013, , 23-45.		2
58	Oncogenes and Tumor Suppressor Genes in Therapeutic Resistance. , 2006, , 67-103.		1
59	4 Angiogenesis, Metastasis, and Epigenetics in Cancer. <i>Handbook of Immunohistochemistry and in Situ Hybridization of Human Carcinomas</i> , 2005, 4, 45-57.	0.0	0
60	Lack of Efficacy of Combined Antiangiogenic Therapies in Xenografted Human Melanoma. <i>Journal of Oncology</i> , 2012, 2012, 1-9.	0.6	0
61	Role of Transforming Growth Factor Beta Family in Angiogenesis. , 2017, , 75-103.		0