

Darren D Browning

List of Publications by Year in descending order

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59
papers

3,649
citations

147566

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155451

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59
all docs

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docs citations

59
times ranked

5782
citing authors

#	ARTICLE	IF	CITATIONS
1	GPR109A Is a G-protein-Coupled Receptor for the Bacterial Fermentation Product Butyrate and Functions as a Tumor Suppressor in Colon. <i>Cancer Research</i> , 2009, 69, 2826-2832.	0.4	553
2	Cysteine Redox Sensor in PKGI α Enables Oxidant-Induced Activation. <i>Science</i> , 2007, 317, 1393-1397.	6.0	429
3	Phosphorylation of β -Catenin by Cyclic AMP-dependent Protein Kinase*. <i>Journal of Biological Chemistry</i> , 2006, 281, 9971-9976.	1.6	373
4	A role for macroautophagy in protection against 4-hydroxytamoxifen-induced cell death and the development of antiestrogen resistance. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 2977-2987.	1.9	177
5	Activation of NF- κ B by Bradykinin through a G α q- and G α 13-dependent Pathway That Involves Phosphoinositide 3-Kinase and Akt. <i>Journal of Biological Chemistry</i> , 2000, 275, 24907-24914.	1.6	128
6	SIRT1 Is Essential for Oncogenic Signaling by Estrogen/Estrogen Receptor α in Breast Cancer. <i>Cancer Research</i> , 2011, 71, 6654-6664.	0.4	122
7	Constitutive Activation of NF- κ B and Secretion of Interleukin-8 Induced by the G Protein-coupled Receptor of Kaposi's Sarcoma-associated Herpesvirus Involve G α 13 and RhoA. <i>Journal of Biological Chemistry</i> , 2001, 276, 45979-45987.	1.6	103
8	Nitric Oxide Activation of p38 Mitogen-activated Protein Kinase in 293T Fibroblasts Requires cGMP-dependent Protein Kinase. <i>Journal of Biological Chemistry</i> , 2000, 275, 2811-2816.	1.6	96
9	Activation of the Mitogen Activated Protein Kinase Extracellular Signal-Regulated Kinase 1 and 2 by the Nitric Oxide-cGMP-cGMP-Dependent Protein Kinase Axis Regulates the Expression of Matrix Metalloproteinase 13 in Vascular Endothelial Cells. <i>Molecular Pharmacology</i> , 2002, 62, 927-935.	1.0	84
10	Repression of IFN Regulatory Factor 8 by DNA Methylation Is a Molecular Determinant of Apoptotic Resistance and Metastatic Phenotype in Metastatic Tumor Cells. <i>Cancer Research</i> , 2007, 67, 3301-3309.	0.4	82
11	Cyclic AMP-independent Activation of Protein Kinase A by Vasoactive Peptides. <i>Journal of Biological Chemistry</i> , 2001, 276, 20827-20830.	1.6	75
12	β -Glutamyl transpeptidase has a role in the persistent colonization of the avian gut by <i>Campylobacter jejuni</i> . <i>Microbial Pathogenesis</i> , 2007, 43, 198-207.	1.3	72
13	Sodium-Coupled Transport of the Short Chain Fatty Acid Butyrate by SLC5A8 and Its Relevance to Colon Cancer. <i>Journal of Gastrointestinal Surgery</i> , 2008, 12, 1773-1782.	0.9	72
14	Sildenafil Suppresses Inflammation-Driven Colorectal Cancer in Mice. <i>Cancer Prevention Research</i> , 2017, 10, 377-388.	0.7	64
15	Cell Type- and Developmental Stage-specific Activation of NF- κ B by fMet-Leu-Phe in Myeloid Cells. <i>Journal of Biological Chemistry</i> , 1997, 272, 7995-8001.	1.6	63
16	Myeloid-Derived Suppressor Cells Produce IL-10 to Elicit DNMT3b-Dependent IRF8 Silencing to Promote Colitis-Associated Colon Tumorigenesis. <i>Cell Reports</i> , 2018, 25, 3036-3046.e6.	2.9	63
17	Activation of p38 Mitogen-activated Protein Kinase by Lipopolysaccharide in Human Neutrophils Requires Nitric Oxide-dependent cGMP Accumulation. <i>Journal of Biological Chemistry</i> , 1999, 274, 537-542.	1.6	62
18	An anti-tumor role for cGMP-dependent protein kinase. <i>Cancer Letters</i> , 2006, 240, 60-68.	3.2	58

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19	cGMP-dependent protein kinases as potential targets for colon cancer prevention and treatment. <i>Future Medicinal Chemistry</i> , 2010, 2, 65-80.	1.1	55
20	NF- κ B Activation Is Required for C5a-Induced Interleukin-8 Gene Expression in Mononuclear Cells. <i>Blood</i> , 1999, 93, 3241-3249.	0.6	53
21	Autocrine regulation of interleukin-8 production in human monocytes. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2000, 279, L1129-L1136.	1.3	49
22	Functional Analysis of Type 1 cGMP-dependent Protein Kinase Using Green Fluorescent Fusion Proteins. <i>Journal of Biological Chemistry</i> , 2001, 276, 13039-13048.	1.6	48
23	IFN Regulatory Factor 8 Mediates Apoptosis in Nonhemopoietic Tumor Cells via Regulation of Fas Expression. <i>Journal of Immunology</i> , 2007, 179, 4775-4782.	0.4	48
24	Identification of Tetratricopeptide Repeat 1 as an Adaptor Protein That Interacts with Heterotrimeric G Proteins and the Small GTPase Ras. <i>Molecular and Cellular Biology</i> , 2003, 23, 3847-3858.	1.1	47
25	Indispensable role of the Ubiquitin-fold modifier 1-specific E3 ligase in maintaining intestinal homeostasis and controlling gut inflammation. <i>Cell Discovery</i> , 2019, 5, 7.	3.1	45
26	IFN γ Induces DNA Methylation-Silenced GPR109A Expression via pSTAT1/p300 and H3K18 Acetylation in Colon Cancer. <i>Cancer Immunology Research</i> , 2015, 3, 795-805.	1.6	44
27	Curcumin inhibits PhIP induced cytotoxicity in breast epithelial cells through multiple molecular targets. <i>Cancer Letters</i> , 2015, 365, 122-131.	3.2	44
28	Functional significance of protein kinase A activation by endothelin-1 and ATP: negative regulation of SRF-dependent gene expression by PKA. <i>Cellular Signalling</i> , 2003, 15, 597-604.	1.7	41
29	Nitric Oxide Inactivates the Retinoblastoma Pathway in Chronic Inflammation. <i>Cancer Research</i> , 2007, 67, 9286-9293.	0.4	40
30	Type 2 cGMP-dependent protein kinase regulates proliferation and differentiation in the colonic mucosa. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 303, G209-G219.	1.6	39
31	IFN γ Upregulates Survivin and Ifi202 Expression to Induce Survival and Proliferation of Tumor-Specific T Cells. <i>PLoS ONE</i> , 2010, 5, e14076.	1.1	33
32	Carbidopa, a drug in use for management of Parkinson disease inhibits T cell activation and autoimmunity. <i>PLoS ONE</i> , 2017, 12, e0183484.	1.1	31
33	Activation of the small GTPase Rac1 by cGMP-dependent protein kinase. <i>Cellular Signalling</i> , 2004, 16, 1061-9.	1.7	30
34	Protein kinase G as a therapeutic target for the treatment of metastatic colorectal cancer. <i>Expert Opinion on Therapeutic Targets</i> , 2008, 12, 367-376.	1.5	29
35	Expression of cyclic guanosine monophosphate-dependent protein kinase in metastatic colon carcinoma cells blocks tumor angiogenesis. <i>Cancer</i> , 2008, 112, 1462-1470.	2.0	28
36	Activation of cGMP-dependent Protein Kinase by Protein Kinase C. <i>Journal of Biological Chemistry</i> , 2003, 278, 16706-16712.	1.6	27

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37	Comparative analysis of chemotaxis in Dictyostelium using a radial bioassay method: Protein tyrosine kinase activity is required for chemotaxis to folate but not to cAMP. Cellular Signalling, 1995, 7, 481-489.	1.7	26
38	A role for cyclic-GMP dependent protein kinase in anoikis. Cellular Signalling, 2006, 18, 882-888.	1.7	26
39	Cyclic-GMP-Elevating Agents Suppress Polyposis in <i>Apc</i> ^{Min} Mice by Targeting the Preneoplastic Epithelium. Cancer Prevention Research, 2018, 11, 81-92.	0.7	26
40	Targeting Lymphotoxin β Receptor with Tumor-Specific T Lymphocytes for Tumor Regression. Clinical Cancer Research, 2007, 13, 5202-5210.	3.2	24
41	Sildenafil normalizes bowel transit in preclinical models of constipation. PLoS ONE, 2017, 12, e0176673.	1.1	14
42	cGMP Signaling Increases Antioxidant Gene Expression by Activating Forkhead Box O3A in the Colon Epithelium. American Journal of Pathology, 2017, 187, 377-389.	1.9	13
43	Concanavalin A and wheat germ agglutinin binding glycoproteins associated with cell fusion and zygote differentiation in <i>Dictyostelium discoideum</i> : effects of calcium ions and tunicamycin on glycoprotein profiles. Biochemistry and Cell Biology, 1991, 69, 282-290.	0.9	12
44	p50 suppresses cytotoxic T lymphocyte effector function to regulate tumor immune escape and response to immunotherapy. , 2020, 8, e001365.		12
45	Mutation of protein kinase C phosphorylation site S1076 on β -subunits affects BK _{Ca} channel activity in HEK-293 cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2009, 297, L758-L766.	1.3	11
46	Guanylate cyclase and cyclic GMP-dependent protein kinase regulate agrin signaling at the developing neuromuscular junction. Developmental Biology, 2007, 307, 195-201.	0.9	10
47	Clinical utility of plecanatide in the treatment of chronic idiopathic constipation. International Journal of General Medicine, 2018, Volume 11, 323-330.	0.8	10
48	Zygote giant cell differentiation in Dictyostelium discoideum: biochemical markers of specific stages of sexual development. Biochemistry and Cell Biology, 1992, 70, 1200-1208.	0.9	9
49	The Campylobacter jejuni Response Regulator and Cyclic-Di-GMP Binding CbrR Is a Novel Regulator of Flagellar Motility. Microorganisms, 2022, 10, 86.	1.6	8
50	Phosphodiesterase-5 inhibitors for colon cancer chemoprevention. Aging, 2018, 10, 2216-2217.	1.4	7
51	Inhibition of Colon Cancer Cell Growth by Phosphodiesterase Inhibitors Is Independent of cGMP Signaling. Journal of Pharmacology and Experimental Therapeutics, 2022, 381, 42-53.	1.3	7
52	The Regulation of GTP-Binding Proteins during Fertilization and Zygote Differentiation in Dictyostelium discoideum. Experimental Cell Research, 1993, 205, 240-245.	1.2	6
53	Type-2 cGMP-dependent protein kinase suppresses proliferation and carcinogenesis in the colon epithelium. Carcinogenesis, 2022, 43, 584-593.	1.3	6
54	G Protein Function during Biomembrane Fusion in Dictyostelium: Presence and Importance of a G_{i2} Subunit during Fertilization and Phagocytosis. Experimental Cell Research, 1995, 219, 709-716.	1.2	5

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55	The enduring promise of phosphodiesterase 5 inhibitors for colon cancer prevention. <i>Translational Gastroenterology and Hepatology</i> , 2019, 4, 83-83.	1.5	5
56	Cyclic 3',5'-guanosine monophosphate-dependent protein kinase inhibits colon cancer cell adaptation to hypoxia. <i>Cancer</i> , 2011, 117, 5282-5293.	2.0	4
57	Signal Transduction during Phagocytosis. , 1993, , 163-177.		1
58	Phosphorylation of β -catenin by cyclic AMP-dependent protein kinase. <i>FASEB Journal</i> , 2006, 20, A497.	0.2	0
59	Mutation of PKC phosphorylation site 1075T on the BKCa channel β subunit modulates BKCa channel activity. <i>FASEB Journal</i> , 2006, 20, A1113.	0.2	0