Michael B Dwinell

List of Publications by Year
in descending order

63 papers	3,920 citations	136950 32 h-index	138484 58 g-index
64 all docs	64 docs citations	64 times ranked	6041 citing authors

#	Article	IF	Citations
1	Angiogenic Effects of Interleukin 8 (CXCL8) in Human Intestinal Microvascular Endothelial Cells Are Mediated by CXCR2. Journal of Biological Chemistry, 2003, 278, 8508-8515.	3.4	421
2	Development of primary human pancreatic cancer organoids, matched stromal and immune cells and 3D tumor microenvironment models. BMC Cancer, 2018, 18, 335.	2.6	271
3	Chemokine receptor expression by human intestinal epithelial cells. Gastroenterology, 1999, 117, 359-367.	1.3	220
4	Regulated MIP-3Î±/CCL20 production by human intestinal epithelium: mechanism for modulating mucosal immunity. American Journal of Physiology - Renal Physiology, 2001, 280, G710-G719.	3.4	201
5	Regulated production of interferon-inducible T-cell chemoattractants by human intestinal epithelial cells. Gastroenterology, 2001, 120, 49-59.	1.3	196
6	Monomeric and dimeric CXCL12 inhibit metastasis through distinct CXCR4 interactions and signaling pathways. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 17655-17660.	7.1	179
7	A review of the basics of mitochondrial bioenergetics, metabolism, and related signaling pathways in cancer cells: Therapeutic targeting of tumor mitochondria with lipophilic cationic compounds. Redox Biology, 2018, 14, 316-327.	9.0	166
8	Analysis by High Density cDNA Arrays of Altered Gene Expression in Human Intestinal Epithelial Cells in Response to Infection with the Invasive Enteric BacteriaSalmonella. Journal of Biological Chemistry, 2000, 275, 14084-14094.	3.4	164
9	Mitochondria-Targeted Analogues of Metformin Exhibit Enhanced Antiproliferative and Radiosensitizing Effects in Pancreatic Cancer Cells. Cancer Research, 2016, 76, 3904-3915.	0.9	159
10	Chemokines and chemokine receptors in mucosal homeostasis at the intestinal epithelial barrier in inflammatory bowel disease. Inflammatory Bowel Diseases, 2008, 14, 1000-1011.	1.9	118
11	STING agonist inflames the pancreatic cancer immune microenvironment and reduces tumor burden in mouse models. , 2019, 7, 115.		114
12	Mitochondria-targeted vitamin E analogs inhibit breast cancer cell energy metabolism and promote cell death. BMC Cancer, 2013, 13, 285.	2.6	112
13	Mitochondria-targeted drugs stimulate mitophagy and abrogate colon cancer cell proliferation. Journal of Biological Chemistry, 2018, 293, 14891-14904.	3.4	95
14	CXCL12 activation of CXCR4 regulates mucosal host defense through stimulation of epithelial cell migration and promotion of intestinal barrier integrity. American Journal of Physiology - Renal Physiology, 2005, 288, G316-G326.	3.4	81
15	Structural basis for chemokine recognition by a G proteinâ€“coupled receptor and implications for receptor activation. Science Signaling, 2017, 10, .	3.6	74
16	CXCL12 Chemokine Expression Suppresses Human Pancreatic Cancer Growth and Metastasis. PLoS ONE, 2014, 9, e90400.	2.5	74
17	CCR6 Regulation of the Actin Cytoskeleton Orchestrates Human Beta Defensin-2- and CCL20-mediated Restitution of Colonic Epithelial Cells. Journal of Biological Chemistry, 2009, 284, 10034-10045.	3.4	71
18	Rho activation regulates CXCL12 chemokine stimulated actin rearrangement and restitution in model intestinal epithelia. Laboratory Investigation, 2007, 87, 807-817.	3.7	69

#	Article	IF	Citations
19	Antiproliferative effects of mitochondria-targeted cationic antioxidants and analogs: Role of mitochondrial bioenergetics and energy-sensing mechanism. Cancer Letters, 2015, 365, 96-106.	7.2	64
20	Mucosal angiogenesis regulation by CXCR4 and its ligand CXCL12 expressed by human intestinal microvascular endothelial cells. American Journal of Physiology - Renal Physiology, 2004, 286, G1059-G1068.	3.4	59
21	Flagellin-Independent Regulation of Chemokine Host Defense in Campylobacter jejuni -Infected Intestinal Epithelium. Infection and Immunity, 2006, 74, 3437-3447.	2.2	57
22	Pancreatic Cancer Cell Migration and Metastasis Is Regulated by Chemokine-Biased Agonism and Bioenergetic Signaling. Cancer Research, 2015, 75, 3529-3542.	0.9	56
23	Chemokines and chemokine receptors: Update on utility and challenges for the clinician. Surgery, 2014, 155, 961-973.	1.9	55
24	Calcium Mobilization Triggered by the Chemokine CXCL12 Regulates Migration in Wounded Intestinal Epithelial Monolayers. Journal of Biological Chemistry, 2010, 285, 16066-16075.	3.4	48
25	p38Î³ MAPK Is Essential for Aerobic Glycolysis and Pancreatic Tumorigenesis. Cancer Research, 2020, 80, 3251-3264.	0.9	47
26	Chemokine receptor CCR6 transduces signals that activate p130Casand alter cAMP-stimulated ion transport in human intestinal epithelial cells. American Journal of Physiology - Cell Physiology, 2005, 288, C321-C328.	4.6	46
27	Immunobiology of epithelial chemokines in the intestinal mucosa. Surgery, 2003, 133, 601-607.	1.9	44
28	Constitutive CXCL12 Expression Induces Anoikis in Colorectal Carcinoma Cells. Gastroenterology, 2008, 135, 508-517.e1.	1.3	43
29	E-cadherin Is Critical for Collective Sheet Migration and Is Regulated by the Chemokine CXCL12 Protein During Restitution. Journal of Biological Chemistry, 2012, 287, 22227-22240.	3.4	39
30	CXCL12 Chemokine Expression and Secretion Regulates Colorectal Carcinoma Cell Anoikis through Bim-Mediated Intrinsic Apoptosis. PLoS ONE, 2010, 5, e12895.	2.5	39
31	SDF-1/CXCL12 regulates cAMP production and ion transport in intestinal epithelial cells via CXCR4. American Journal of Physiology - Renal Physiology, 2004, 286, G844-G850.	3.4	37
32	p38Î³ MAPK Is a Therapeutic Target for Triple-Negative Breast Cancer by Stimulation of Cancer Stem-Like Cell Expansion. Stem Cells, 2015, 33, 2738-2747.	3.2	35
33	STING Activated Tumor-Intrinsic Type I Interferon Signaling Promotes CXCR3 Dependent Antitumor Immunity in Pancreatic Cancer. Cellular and Molecular Gastroenterology and Hepatology, 2021, 12, 41-58.	4.5	35
34	Cyclic AMP dysregulates intestinal epithelial cell restitution through PKA and RhoA*. Inflammatory Bowel Diseases, 2012, 18, 1081-1091.	1.9	34
35	Cancer cell chemokines direct chemotaxis of activated stellate cells in pancreatic ductal adenocarcinoma. Laboratory Investigation, 2017, 97, 302-317.	3.7	30
36	CXM: A New Tool for Mapping Breast Cancer Risk in the Tumor Microenvironment. Cancer Research, 2014, 74, 6419-6429.	0.9	29

#	Article	IF	Citations
37	Targeted intestinal epithelial deletion of the chemokine receptor CXCR4 reveals important roles for extracellular-regulated kinase-1/2 in restitution. Laboratory Investigation, 2011, 91, 1040-1055.	3.7	28
38	Oncostatin M Receptorâ€“Targeted Antibodies Suppress STAT3 Signaling and Inhibit Ovarian Cancer Growth. Cancer Research, 2021, 81, 5336-5352.	0.9	27
39	Mitochondria-targeted metformins: anti-tumour and redox signalling mechanisms. Interface Focus, 2017, 7, 20160109.	3.0	26
40	Targeting PIM1-Mediated Metabolism in Myeloid Suppressor Cells to Treat Cancer. Cancer Immunology Research, 2021, 9, 454-469.	3.4	23
41	CCR7 Sulfotyrosine Enhances CCL21 Binding. International Journal of Molecular Sciences, 2017, 18, 1857.	4.1	21
42	CXCR4 Negatively Regulates Keratinocyte Proliferation in IL-23-Mediated Psoriasiform Dermatitis. Journal of Investigative Dermatology, 2013, 133, 2530-2537.	0.7	20
43	Modified Metformin as a More Potent Anticancer Drug: Mitochondrial Inhibition, Redox Signaling, Antiproliferative Effects and Future EPR Studies. Cell Biochemistry and Biophysics, 2017, 75, 311-317.	1.8	18
44	Synchronous effects of targeted mitochondrial complex I inhibitors on tumor and immune cells abrogate melanoma progression. IScience, 2021, 24, 102653.	4.1	18
45	Mitochondria-targeted magnolol inhibits OXPHOS, proliferation, and tumor growth via modulation of energetics and autophagy in melanoma cells. Cancer Treatment and Research Communications, 2020, 25, 100210.	1.7	16
46	Human intestinal epithelial cells express receptors for platelet-activating factor. American Journal of Physiology - Renal Physiology, 1999, 277, G810-G818.	3.4	15
47	Exploiting agonist biased signaling of chemokines to target cancer. Molecular Carcinogenesis, 2017, 56, 804-813.	2.7	15
48	Increased formation of reactive oxygen species during tumor growth: Ex vivo low-temperature EPR and in vivo bioluminescence analyses. Free Radical Biology and Medicine, 2020, 147, 167-174.	2.9	15
49	Synergistic inhibition of tumor cell proliferation by metformin and mito-metformin in the presence of iron chelators. Oncotarget, 2019, 10, 3518-3532.	1.8	14
50	Differences in Sulfotyrosine Binding amongst CXCR1 and CXCR2 Chemokine Ligands. International Journal of Molecular Sciences, 2017, 18, 1894.	4.1	13
51	Targeted biologic inhibition of both tumor cell-intrinsic and intercellular CLPTM1L/CRR9-mediated chemotherapeutic drug resistance. Npj Precision Oncology, 2021, 5, 16.	5.4	13
52	Diacylglycerol Kinase Î¶ (DGKÎ¶) and Casitas b-Lineage Proto-Oncogene bâ€“Deficient Mice Have Similar Functional Outcomes in T Cells but DGKÎ¶-Deficient Mice Have Increased T Cell Activation and Tumor Clearance. ImmunoHorizons, 2018, 2, 107-118.	1.8	13
53	Structural Features of an Extended C-Terminal Tail Modulate the Function of the Chemokine CCL21. Biochemistry, 2020, 59, 1338-1350.	2.5	11
54	The C-terminal peptide of CCL21 drastically augments CCL21 activity through the dendritic cell lymph node homing receptor CCR7 by interaction with the receptor N-terminus. Cellular and Molecular Life Sciences, 2021, 78, 6963-6978.	5.4	11

#	Article	IF	Citations
55	Chemokines in colitis: microRNA control. Gut, 2014, 63, 1202-1204.	12.1	5
56	Inactivation of the Euchromatic Histone-Lysine N-Methyltransferase 2 Pathway in Pancreatic Epithelial Cells Antagonizes Cancer Initiation and Pancreatitis-Associated Promotion by Altering Growth and Immune Gene Expression Networks. Frontiers in Cell and Developmental Biology, 2021, 9, 681153.	3.7	5
57	Mucosal immunity. Current Opinion in Gastroenterology, 1999, 15, 33.	2.3	4
58	A Serum-Induced Transcriptome and Serum Cytokine Signature Obtained at Diagnosis Correlates with the Development of Early Pancreatic Ductal Adenocarcinoma Metastasis. Cancer Epidemiology Biomarkers and Prevention, 2019, 28, 680-689.	2.5	2
59	GEMMs Are a Gem When it Comes to Defining the Role of HIF2Î± in Mucinous Cystic Neoplasms. Cellular and Molecular Gastroenterology and Hepatology, 2018, 5, 165-166.	4.5	0
60	Stromal Inflammation in Pancreatic Cancer: Mechanisms and Translational Applications. , 2018, , 481-508.		0
61	2543 High concentrations of CXCL12 decrease pancreatic adenocarcinoma growth. Journal of Clinical and Translational Science, 2018, 2, 13-14.	0.6	0
62	CXCL12 stimulation leads to dynamic activation of laminin specific integrins promoting enterocyte adhesion and spreading. FASEB Journal, 2011, 25, 1067.1.	0.5	0
63	Stromal Inflammation in Pancreatic Cancer: Mechanisms and Translational Applications. , 2017, , 1-28.		0