

Brendan J Jenkins

List of Publications by Year in descending order

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107
papers

8,715
citations

81900

39
h-index

43889

91
g-index

114
all docs

114
docs citations

114
times ranked

12228
citing authors

#	ARTICLE	IF	CITATIONS
1	A family of cytokine-inducible inhibitors of signalling. <i>Nature</i> , 1997, 387, 917-921.	27.8	1,947
2	Recent insights into targeting the IL-6 cytokine family in inflammatory diseases and cancer. <i>Nature Reviews Immunology</i> , 2018, 18, 773-789.	22.7	662
3	Reciprocal regulation of gastrointestinal homeostasis by SHP2 and STAT-mediated trefoil gene activation in gp130 mutant mice. <i>Nature Medicine</i> , 2002, 8, 1089-1097.	30.7	433
4	IL-6 Regulates Neutrophil Trafficking during Acute Inflammation via STAT3. <i>Journal of Immunology</i> , 2008, 181, 2189-2195.	0.8	351
5	Interleukin-6 Signaling Drives Fibrosis in Unresolved Inflammation. <i>Immunity</i> , 2014, 40, 40-50.	14.3	297
6	Hyperactivation of Stat3 in gp130 mutant mice promotes gastric hyperproliferation and desensitizes TGF- β 2 signaling. <i>Nature Medicine</i> , 2005, 11, 845-852.	30.7	284
7	IL-6 trans-signaling via STAT3 directs T cell infiltration in acute inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 9589-9594.	7.1	282
8	STAT3 and STAT1 mediate IL-11-dependent and inflammation-associated gastric tumorigenesis in gp130 receptor mutant mice. <i>Journal of Clinical Investigation</i> , 2008, 118, 1727-38.	8.2	276
9	Acquiring signalling specificity from the cytokine receptor gp130. <i>Trends in Genetics</i> , 2004, 20, 23-32.	6.7	264
10	IL-6 <i>Trans</i> -Signaling Modulates TLR4-Dependent Inflammatory Responses via STAT3. <i>Journal of Immunology</i> , 2011, 186, 1199-1208.	0.8	250
11	STAT3-Driven Upregulation of TLR2 Promotes Gastric Tumorigenesis Independent of Tumor Inflammation. <i>Cancer Cell</i> , 2012, 22, 466-478.	16.8	245
12	Therapeutic Targeting of IL-6 <i>Trans</i> Signaling Counteracts STAT3 Control of Experimental Inflammatory Arthritis. <i>Journal of Immunology</i> , 2009, 182, 613-622.	0.8	185
13	Glycoprotein 130 regulates bone turnover and bone size by distinct downstream signaling pathways. <i>Journal of Clinical Investigation</i> , 2004, 113, 379-389.	8.2	175
14	Gastric cancer development in mice lacking the SHP2 binding site on the IL-6 family co-receptor gp130. <i>Gastroenterology</i> , 2004, 126, 196-207.	1.3	163
15	Interleukin-11 Receptor Signaling Is Required for Normal Bone Remodeling. <i>Journal of Bone and Mineral Research</i> , 2005, 20, 1093-1102.	2.8	138
16	STAT3 Activation Regulates Growth, Inflammation, and Vascularization in a Mouse Model of Gastric Tumorigenesis. <i>Gastroenterology</i> , 2006, 131, 1073-1085.	1.3	117
17	Rab8a interacts directly with PI3K β to modulate TLR4-driven PI3K and mTOR signalling. <i>Nature Communications</i> , 2014, 5, 4407.	12.8	109
18	STAT1 plays a role in TLR signal transduction and inflammatory responses. <i>Immunology and Cell Biology</i> , 2014, 92, 761-769.	2.3	106

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19	IL6 Trans-signaling Promotes KRAS-Driven Lung Carcinogenesis. <i>Cancer Research</i> , 2016, 76, 866-876.	0.9	92
20	Interleukin-27 inhibits ectopic lymphoid-like structure development in early inflammatory arthritis. <i>Journal of Experimental Medicine</i> , 2015, 212, 1793-1802.	8.5	88
21	Interleukin-6 Promotes Pulmonary Emphysema Associated with Apoptosis in Mice. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011, 45, 720-730.	2.9	87
22	Gab3, a New DOS/Gab Family Member, Facilitates Macrophage Differentiation. <i>Molecular and Cellular Biology</i> , 2002, 22, 231-244.	2.3	81
23	The threshold of gp130-dependent STAT3 signaling is critical for normal regulation of hematopoiesis. <i>Blood</i> , 2005, 105, 3512-3520.	1.4	74
24	Pathologic consequences of STAT3 hyperactivation by IL-6 and IL-11 during hematopoiesis and lymphopoiesis. <i>Blood</i> , 2007, 109, 2380-2388.	1.4	73
25	Innate cellular sources of interleukin-17A regulate macrophage accumulation in cigarette-smoke-induced lung inflammation in mice. <i>Clinical Science</i> , 2015, 129, 785-796.	4.3	66
26	Inflammation modulates the expression of the intestinal mucins MUC2 and MUC4 in gastric tumors. <i>Oncogene</i> , 2010, 29, 1753-1762.	5.9	65
27	ADAM17 selectively activates the IL-6 trans-signaling/ERK MAPK axis in KRAS-addicted lung cancer. <i>EMBO Molecular Medicine</i> , 2019, 11, .	6.9	65
28	Inflammasome Adaptor ASC Suppresses Apoptosis of Gastric Cancer Cells by an IL18-Mediated Inflammation-Independent Mechanism. <i>Cancer Research</i> , 2018, 78, 1293-1307.	0.9	62
29	Naive and activated T cells display differential responsiveness to TL1A that affects Th17 generation, maintenance, and proliferation. <i>FASEB Journal</i> , 2011, 25, 409-419.	0.5	59
30	Differential Regulation of Gastric Tumor Growth by Cytokines That Signal Exclusively Through the Coreceptor gp130. <i>Gastroenterology</i> , 2005, 129, 1005-1018.	1.3	57
31	Suppressor of cytokine signaling 3 regulates CD8 T-cell proliferation by inhibition of interleukins 6 and 27. <i>Blood</i> , 2007, 110, 2528-2536.	1.4	57
32	ADAM17: An Emerging Therapeutic Target for Lung Cancer. <i>Cancers</i> , 2019, 11, 1218.	3.7	57
33	Murine- and Human-Derived Autologous Organoid/Immune Cell Co-Cultures as Pre-Clinical Models of Pancreatic Ductal Adenocarcinoma. <i>Cancers</i> , 2020, 12, 3816.	3.7	57
34	Nucleotide Oligomerization Domain 1 Enhances IFN- γ Signaling in Gastric Epithelial Cells during <i>Helicobacter pylori</i> Infection and Exacerbates Disease Severity. <i>Journal of Immunology</i> , 2013, 190, 3706-3715.	0.8	56
35	Inflammation and gastrointestinal cancer: An overview. <i>Cancer Letters</i> , 2014, 345, 153-156.	7.2	49
36	Interleukin 1 Up-regulates MicroRNA 135b to Promote Inflammation-Associated Gastric Carcinogenesis in Mice. <i>Gastroenterology</i> , 2019, 156, 1140-1155.e4.	1.3	49

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37	Clinical Utility of a STAT3-Regulated miRNA-200 Family Signature with Prognostic Potential in Early Gastric Cancer. <i>Clinical Cancer Research</i> , 2018, 24, 1459-1472.	7.0	46
38	Imbalanced gp130-Dependent Signaling in Macrophages Alters Macrophage Colony-Stimulating Factor Responsiveness via Regulation of c-fms Expression. <i>Molecular and Cellular Biology</i> , 2004, 24, 1453-1463.	2.3	44
39	Therapeutic Targeting of the IL-6 Trans-Signaling/Mechanistic Target of Rapamycin Complex 1 Axis in Pulmonary Emphysema. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 194, 1494-1505.	5.6	44
40	Hyperactive gp130/STAT3-driven gastric tumorigenesis promotes submucosal tertiary lymphoid structure development. <i>International Journal of Cancer</i> , 2018, 143, 167-178.	5.1	43
41	Differential role of MyD88 and Mal/TIRAP in TLR2-mediated gastric tumorigenesis. <i>Oncogene</i> , 2014, 33, 2540-2546.	5.9	42
42	Interacting Residues in the Extracellular Region of the Common β Subunit of the Human Granulocyte-Macrophage Colony-stimulating Factor, Interleukin (IL)-3, and IL-5 Receptors Involved in Constitutive Activation. <i>Journal of Biological Chemistry</i> , 1996, 271, 29707-29714.	3.4	39
43	Murine Oncostatin M Acts via Leukemia Inhibitory Factor Receptor to Phosphorylate Signal Transducer and Activator of Transcription 3 (STAT3) but Not STAT1, an Effect That Protects Bone Mass. <i>Journal of Biological Chemistry</i> , 2016, 291, 21703-21716.	3.4	39
44	Context-dependent functions of pattern recognition receptors in cancer. <i>Nature Reviews Cancer</i> , 2022, 22, 397-413.	28.4	39
45	TLR Agonists as Adjuvants for Cancer Vaccines. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1024, 195-212.	1.6	38
46	Helicobacter pylori Type IV Secretion System and Its Adhesin Subunit, CagL, Mediate Potent Inflammatory Responses in Primary Human Endothelial Cells. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 22.	3.9	38
47	Toll-like receptor 2 regulates metabolic reprogramming in gastric cancer <i>via</i> superoxide dismutase 2. <i>International Journal of Cancer</i> , 2019, 144, 3056-3069.	5.1	37
48	Dangerous liaisons between interleukin-6 cytokine and toll-like receptor families: A potent combination in inflammation and cancer. <i>Cytokine and Growth Factor Reviews</i> , 2013, 24, 249-256.	7.2	36
49	Saturation Mutagenesis of the β Subunit of the Human Granulocyte-Macrophage Colony-Stimulating Factor Receptor Shows Clustering of Constitutive Mutations, Activation of ERK MAP Kinase and STAT Pathways, and Differential β Subunit Tyrosine Phosphorylation. <i>Blood</i> , 1998, 92, 1989-2002.	1.4	35
50	Deregulated Stat3 signaling dissociates pulmonary inflammation from emphysema in gp130 mutant mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2012, 302, L627-L639.	2.9	35
51	Critical and Independent Role for SOCS3 in Either Myeloid or T Cells in Resistance to Mycobacterium tuberculosis. <i>PLoS Pathogens</i> , 2013, 9, e1003442.	4.7	34
52	Differential Expression of Genes Encoding a Cysteine-Rich Keratin Family in the Hair Cuticle. <i>Journal of Investigative Dermatology</i> , 1994, 103, 310-317.	0.7	30
53	Endoscopic ultrasound-guided fine-needle aspirate-derived preclinical pancreatic cancer models reveal panitumumab sensitivity in KRAS wild-type tumors. <i>International Journal of Cancer</i> , 2017, 140, 2331-2343.	5.1	30
54	In vivo evidence that RBM5 is a tumour suppressor in the lung. <i>Scientific Reports</i> , 2017, 7, 16323.	3.3	29

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55	The molecular pathogenesis of STAT3-driven gastric tumorigenesis in mice is independent of IL-17. <i>Journal of Pathology</i> , 2011, 225, 255-264.	4.5	27
56	Tying the knot between cytokine and toll-like receptor signaling in gastrointestinal tract cancers. <i>Cancer Science</i> , 2013, 104, 1139-1145.	3.9	27
57	Myeloid Differentiation Factor 88 Signaling in Bone Marrow-Derived Cells Promotes Gastric Tumorigenesis by Generation of Inflammatory Microenvironment. <i>Cancer Prevention Research</i> , 2016, 9, 253-263.	1.5	27
58	Hematopoietic abnormalities in mice deficient in gp130-mediated STAT signaling. <i>Experimental Hematology</i> , 2002, 30, 1248-1256.	0.4	25
59	Interleukin-11-driven gastric tumorigenesis is independent of trans-signalling. <i>Cytokine</i> , 2017, 92, 118-123.	3.2	24
60	The ADAM17 protease promotes tobacco smoke carcinogen-induced lung tumorigenesis. <i>Carcinogenesis</i> , 2020, 41, 527-538.	2.8	24
61	STAT3-mediated upregulation of the AIM2 DNA sensor links innate immunity with cell migration to promote epithelial tumorigenesis. <i>Gut</i> , 2022, 71, 1515-1531.	12.1	23
62	Serine-Phosphorylated STAT3 Promotes Tumorigenesis via Modulation of RNA Polymerase Transcriptional Activity. <i>Cancer Research</i> , 2019, 79, 5272-5287.	0.9	22
63	Exacerbated inflammatory arthritis in response to hyperactive gp130 signalling is independent of IL-17A. <i>Annals of the Rheumatic Diseases</i> , 2013, 72, 1738-1742.	0.9	20
64	IL-6/Stat3-driven pulmonary inflammation, but not emphysema, is dependent on interleukin-17 in mice. <i>Respirology</i> , 2014, 19, 419-427.	2.3	20
65	Reviewing the Utility of EUS FNA to Advance Precision Medicine in Pancreatic Cancer. <i>Cancers</i> , 2018, 10, 35.	3.7	19
66	Inflammatory and Non-Inflammatory Roles for Toll-Like Receptors in Gastrointestinal Cancer. <i>Current Pharmaceutical Design</i> , 2015, 21, 2968-2977.	1.9	19
67	A Cell Type-specific Constitutive Point Mutant of the Common β -Subunit of the Human Granulocyte-Macrophage Colony-stimulating Factor (GM-CSF), Interleukin (IL)-3, and IL-5 Receptors Requires the GM-CSF Receptor β -Subunit for Activation. <i>Journal of Biological Chemistry</i> , 1999, 274, 8669-8677.	3.4	18
68	Innate Immune Molecule NLRC5 Protects Mice From Helicobacter-induced Formation of Gastric Lymphoid Tissue. <i>Gastroenterology</i> , 2020, 159, 169-182.e8.	1.3	18
69	Transcriptional Regulation of Pattern Recognition Receptors by JAK/STAT Signaling, and the Implications for Disease Pathogenesis. <i>Journal of Interferon and Cytokine Research</i> , 2014, 34, 750-758.	1.2	17
70	Constitutive STAT3 Serine Phosphorylation Promotes Helicobacter-Mediated Gastric Disease. <i>American Journal of Pathology</i> , 2020, 190, 1256-1270.	3.8	17
71	ADAM17 Deficiency Protects against Pulmonary Emphysema. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2021, 64, 183-195.	2.9	17
72	IL-6 family cytokines in respiratory health and disease. <i>Cytokine</i> , 2021, 143, 155520.	3.2	17

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73	Oncostatin M expression induced by bacterial triggers drives airway inflammatory and mucus secretion in severe asthma. <i>Science Translational Medicine</i> , 2022, 14, eabf8188.	12.4	17
74	LPS hypersensitivity of gp130 mutant mice is independent of elevated haemopoietic TLR4 signaling. <i>Immunology and Cell Biology</i> , 2012, 90, 559-563.	2.3	15
75	Differential involvement of gp130 signalling pathways in modulating tobacco carcinogen-induced lung tumourigenesis. <i>Oncogene</i> , 2015, 34, 1510-1519.	5.9	15
76	Complete loss of miR-200 family induces EMT associated cellular senescence in gastric cancer. <i>Oncogene</i> , 2022, 41, 26-36.	5.9	13
77	Imbalanced gp130 signalling in ApoE-deficient mice protects against atherosclerosis. <i>Atherosclerosis</i> , 2015, 238, 321-328.	0.8	12
78	Transcriptional regulation of inflammasome-associated pattern recognition receptors, and the relevance to disease pathogenesis. <i>Molecular Immunology</i> , 2017, 86, 3-9.	2.2	12
79	TLR2 activation promotes tumour growth and associates with patient survival and chemotherapy response in pancreatic ductal adenocarcinoma. <i>Oncogene</i> , 2021, 40, 6007-6022.	5.9	10
80	Aspirin-Triggered Resolvin D1 Reduces Proliferation and the Neutrophil to Lymphocyte Ratio in a Mutant KRAS-Driven Lung Adenocarcinoma Model. <i>Cancers</i> , 2021, 13, 3224.	3.7	9
81	Non-Essential Role for TLR2 and Its Signaling Adaptor Mal/TIRAP in Preserving Normal Lung Architecture in Mice. <i>PLoS ONE</i> , 2013, 8, e78095.	2.5	8
82	Targeted Transcriptome and KRAS Mutation Analysis Improve the Diagnostic Performance of EUS-FNA Biopsies in Pancreatic Cancer. <i>Clinical Cancer Research</i> , 2021, 27, 5900-5911.	7.0	8
83	Toll-like Receptor 9 Promotes Initiation of Gastric Tumorigenesis by Augmenting Inflammation and Cellular Proliferation. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2022, 14, 567-586.	4.5	8
84	Potential efficacy of interleukin-1 β inhibition in lung cancer. <i>Lancet, The</i> , 2017, 390, 1813-1814.	13.7	7
85	Toll-like receptor 2: therapeutic target for gastric carcinogenesis. <i>Oncotarget</i> , 2012, 3, 1260-1261.	1.8	7
86	Saturation Mutagenesis of the β Subunit of the Human Granulocyte-Macrophage Colony-Stimulating Factor Receptor Shows Clustering of Constitutive Mutations, Activation of ERK MAP Kinase and STAT Pathways, and Differential β Subunit Tyrosine Phosphorylation. <i>Blood</i> , 1998, 92, 1989-2002.	1.4	5
87	Oncogenic dependency on STAT3 serine phosphorylation in KRAS mutant lung cancer. <i>Oncogene</i> , 2022, 41, 809-823.	5.9	5
88	The EUS molecular evaluation of pancreatic cancer: A prospective multicenter cohort trial. <i>Endoscopic Ultrasound</i> , 2021, 10, 335-343.	1.5	4
89	EUS-FNA Biopsies to Guide Precision Medicine in Pancreatic Cancer: Results of a Pilot Study to Identify KRAS Wild-Type Tumours for Targeted Therapy. <i>Frontiers in Oncology</i> , 2021, 11, 770022.	2.8	4
90	Multifaceted Role of IRAK-M in the Promotion of Colon Carcinogenesis via Barrier Dysfunction and STAT3 Oncoprotein Stabilization in Tumors. <i>Cancer Cell</i> , 2016, 29, 615-617.	16.8	3

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91	STAT3-driven hematopoiesis and lymphopoiesis abnormalities are dependent on serine phosphorylation. <i>Cytokine</i> , 2020, 130, 155059.	3.2	3
92	Investigating the Role of Toll-Like Receptors in Mouse Models of Gastric Cancer. <i>Methods in Molecular Biology</i> , 2016, 1390, 427-449.	0.9	3
93	Inflammasome-Associated Gastric Tumorigenesis Is Independent of the NLRP3 Pattern Recognition Receptor. <i>Frontiers in Oncology</i> , 2022, 12, 830350.	2.8	3
94	Isolation and characterization of a sheep cysteine-rich cuticle keratin pseudogene. <i>DNA Sequence</i> , 1992, 3, 181-184.	0.7	1
95	Deregulated Interleukin-6 Signalling Suppresses Lung Tumorigenesis In Mice Induced By The Tobacco-Specific Carcinogen Nicotine-Derived Nitrosamine Ketone. , 2012, , .		1
96	A Method for the Establishment of Human Lung Adenocarcinoma Patient-Derived Xenografts in Mice. <i>Methods in Molecular Biology</i> , 2021, 2279, 165-173.	0.9	1
97	An Organoid/Immune Cell Co-culture as a Predictive Model for the Treatment of Pancreatic Cancer. <i>FASEB Journal</i> , 2019, 33, 869.20.	0.5	1
98	IL-6 family cytokines: An updated perspective on their broad pathophysiology. <i>Cytokine</i> , 2022, 152, 155822.	3.2	1
99	Deregulated Cytokine Signaling As A Novel Molecular Bridge Between The Pathogenesis Of Emphysema And Lung Cancer. , 2011, , .		0
100	Interleukin-6 Promotes Emphysema By Apoptosis. , 2011, , .		0
101	LPS hypersensitivity of gp130 mutant mice is independent of elevated haemopoietic TLR4 signaling. <i>Immunology and Cell Biology</i> , 2012, 90, 564-564.	2.3	0
102	209. <i>Cytokine</i> , 2014, 70, 78-79.	3.2	0
103	161. <i>Cytokine</i> , 2014, 70, 67.	3.2	0
104	Immuno-detection of Immature and Bioactive Forms of the Inflammatory Cytokine IL-18. <i>Methods in Molecular Biology</i> , 2018, 1725, 229-235.	0.9	0
105	971 “ The Innate Immune Molecule Nlr5 Protects Against Gastric B Cell Lymphoid Formation in Response to Chronic Helicobacter Infection. <i>Gastroenterology</i> , 2019, 156, S-203.	1.3	0
106	Unravelling the pro-tumorigenic role of innate immune pattern recognition receptors in the gastric compartment. , 2021, , 43-90.		0
107	Abstract 1462: Non-inflammatory role of ASC-dependent inflammasomes in promoting gastric tumourigenesis via IL-18. , 2016, , .		0