

# Toby Lawrence

## List of Publications by Year in descending order

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78  
papers

21,088  
citations

53660

45  
h-index

85405

71  
g-index

81  
all docs

81  
docs citations

81  
times ranked

33690  
citing authors

#	ARTICLE	IF	CITATIONS
1	Macrophage Activation and Polarization: Nomenclature and Experimental Guidelines. <i>Immunity</i> , 2014, 41, 14-20.	6.6	4,638
2	The Nuclear Factor NF- $\kappa$ B Pathway in Inflammation. <i>Cold Spring Harbor Perspectives in Biology</i> , 2009, 1, a001651-a001651.	2.3	3,496
3	Transcriptional regulation of macrophage polarization: enabling diversity with identity. <i>Nature Reviews Immunology</i> , 2011, 11, 750-761.	10.6	1,757
4	Possible new role for NF- $\kappa$ B in the resolution of inflammation. <i>Nature Medicine</i> , 2001, 7, 1291-1297.	15.2	971
5	Innate Immunity Gone Awry: Linking Microbial Infections to Chronic Inflammation and Cancer. <i>Cell</i> , 2006, 124, 823-835.	13.5	835
6	Anti-inflammatory lipid mediators and insights into the resolution of inflammation. <i>Nature Reviews Immunology</i> , 2002, 2, 787-795.	10.6	751
7	Re-educating tumor-associated macrophages by targeting NF- $\kappa$ B. <i>Journal of Experimental Medicine</i> , 2008, 205, 1261-1268.	4.2	700
8	Inflammatory Resolution: new opportunities for drug discovery. <i>Nature Reviews Drug Discovery</i> , 2004, 3, 401-416.	21.5	664
9	IKK $\alpha$ limits macrophage NF- $\kappa$ B activation and contributes to the resolution of inflammation. <i>Nature</i> , 2005, 434, 1138-1143.	13.7	601
10	Granulocyte-Macrophage Colony-Stimulating Factor (CSF) and Macrophage CSF-Dependent Macrophage Phenotypes Display Differences in Cytokine Profiles and Transcription Factor Activities: Implications for CSF Blockade in Inflammation. <i>Journal of Immunology</i> , 2007, 178, 5245-5252.	0.4	514
11	Antiinflammatory effects of dexamethasone are partly dependent on induction of dual specificity phosphatase 1. <i>Journal of Experimental Medicine</i> , 2006, 203, 1883-1889.	4.2	385
12	Sustained desensitization to bacterial Toll-like receptor ligands after resolution of respiratory influenza infection. <i>Journal of Experimental Medicine</i> , 2008, 205, 323-329.	4.2	353
13	Dendritic cell maturation: functional specialization through signaling specificity and transcriptional programming. <i>EMBO Journal</i> , 2014, 33, 1104-1116.	3.5	316
14	The tumor-promoting actions of TNF- $\alpha$ involve TNFR1 and IL-17 in ovarian cancer in mice and humans. <i>Journal of Clinical Investigation</i> , 2009, 119, 3011-3023.	3.9	280
15	Chronic inflammation: a failure of resolution?. <i>International Journal of Experimental Pathology</i> , 2006, 88, 85-94.	0.6	275
16	Membrane Cholesterol Efflux Drives Tumor-Associated Macrophage Reprogramming and Tumor Progression. <i>Cell Metabolism</i> , 2019, 29, 1376-1389.e4.	7.2	261
17	The kinase p38 $\alpha$ serves cell type-specific inflammatory functions in skin injury and coordinates pro- and anti-inflammatory gene expression. <i>Nature Immunology</i> , 2008, 9, 1019-1027.	7.0	250
18	The resolution of inflammation: Anti-inflammatory roles for NF- $\kappa$ B. <i>International Journal of Biochemistry and Cell Biology</i> , 2010, 42, 519-523.	1.2	246

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19	I $\kappa$ B kinase (IKK) $\beta$ , but not IKK $\alpha$ , is a critical mediator of osteoclast survival and is required for inflammation-induced bone loss. <i>Journal of Experimental Medicine</i> , 2005, 201, 1677-1687.	4.2	236
20	Hematopoietic prostaglandin D <sub>2</sub> synthase controls the onset and resolution of acute inflammation through PGD <sub>2</sub> and 15-deoxyI <sup>14</sup> PGJ <sub>2</sub> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 20979-20984.	3.3	230
21	Regulation of macrophage function in tumors: the multifaceted role of NF- $\kappa$ B. <i>Blood</i> , 2009, 113, 3139-3146.	0.6	208
22	Sword and shield: Linked group B streptococcal $\alpha$ -hemolysin/cytolysin and carotenoid pigment function to subvert host phagocyte defense. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 14491-14496.	3.3	200
23	Tissue-resident macrophages in omentum promote metastatic spread of ovarian cancer. <i>Journal of Experimental Medicine</i> , 2020, 217, .	4.2	189
24	An antiinflammatory role for IKK $\beta$ through the inhibition of $\alpha$ -classical $\beta$ -macrophage activation. <i>Journal of Experimental Medicine</i> , 2008, 205, 1269-1276.	4.2	180
25	Specific targeting of CD163+ TAMs mobilizes inflammatory monocytes and promotes T cell $\beta$ -mediated tumor regression. <i>Journal of Experimental Medicine</i> , 2019, 216, 2394-2411.	4.2	141
26	Allergen-induced peribronchial fibrosis and mucus production mediated by I $\kappa$ B kinase $\beta$ -dependent genes in airway epithelium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 17723-17728.	3.3	140
27	Inducible cyclooxygenase $\beta$ -derived 15deoxy I <sup>14</sup> PGJ <sub>2</sub> brings about acute inflammatory resolution in rat pleurisy by inducing neutrophil and macrophage apoptosis. <i>FASEB Journal</i> , 2003, 17, 2269-2271.	0.2	135
28	Inflammation and Cancer: A Double-Edged Sword. <i>Cancer Cell</i> , 2007, 12, 300-301.	7.7	127
29	Nuclear Factor- $\kappa$ B and Tumor-Associated Macrophages. <i>Clinical Cancer Research</i> , 2010, 16, 784-789.	3.2	118
30	Homeostatic NF- $\kappa$ B Signaling in Steady-State Migratory Dendritic Cells Regulates Immune Homeostasis and Tolerance. <i>Immunity</i> , 2015, 42, 627-639.	6.6	118
31	Tumor-associated macrophages (TAMs) depend on ZEB1 for their cancer-promoting roles. <i>EMBO Journal</i> , 2017, 36, 3336-3355.	3.5	112
32	Autophagy in dendritic cells. <i>Cellular and Molecular Immunology</i> , 2018, 15, 944-952.	4.8	111
33	Detection of bacterial contamination in apheresis platelet products: American Red Cross experience, 2004. <i>Transfusion</i> , 2005, 45, 1845-1852.	0.8	104
34	Loss of the co-repressor GPS2 sensitizes macrophage activation upon metabolic stress induced by obesity and type 2 diabetes. <i>Nature Medicine</i> , 2016, 22, 780-791.	15.2	91
35	An unexpected twist to the activation of IKK $\beta$ : TAK1 primes IKK $\beta$ for activation by autophosphorylation. <i>Biochemical Journal</i> , 2014, 461, 531-537.	1.7	85
36	High-Density Lipoproteins Exert Pro-inflammatory Effects on Macrophages via Passive Cholesterol Depletion and PKC-NF- $\kappa$ B/STAT1-IRF1 Signaling. <i>Cell Metabolism</i> , 2017, 25, 197-207.	7.2	80

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37	Inflammation and cancer: a failure of resolution?. Trends in Pharmacological Sciences, 2007, 28, 162-165.	4.0	74
38	TGFÎ²R signalling controls CD103+CD11b+ dendritic cell development in the intestine. Nature Communications, 2017, 8, 620.	5.8	74
39	The resolution of inflammation and cancer. Cytokine and Growth Factor Reviews, 2010, 21, 61-65.	3.2	71
40	Novel biphasic role for lymphocytes revealed during resolving inflammation. Blood, 2008, 111, 4184-4192.	0.6	65
41	Inhibition of the Tumor Necrosis Factor-Î Pathway Is Radioprotective for the Lung. Clinical Cancer Research, 2008, 14, 1868-1876.	3.2	61
42	NF-ÎBâ€“dependent IRF1 activation programs cDC1 dendritic cells to drive antitumor immunity. Science Immunology, 2021, 6, .	5.6	55
43	Inhibition of NF-ÎB Activity by a Membrane-Transducing Mutant of Î²Î±. Journal of Immunology, 2002, 169, 2587-2593.	0.4	50
44	Representing the Process of Inflammation as Key Events in Adverse Outcome Pathways. Toxicological Sciences, 2018, 163, 346-352.	1.4	49
45	The ubiquitin ligase ZNRF1 promotes caveolin-1 ubiquitination and degradation to modulate inflammation. Nature Communications, 2017, 8, 15502.	5.8	48
46	The Pore-Forming Toxin Î² hemolysin/cytolysin Triggers p38 MAPK-Dependent IL-10 Production in Macrophages and Inhibits Innate Immunity. PLoS Pathogens, 2012, 8, e1002812.	2.1	47
47	Molecular dissection of plasmacytoid dendritic cell activation <i>in vivo</i> during a viral infection. EMBO Journal, 2018, 37, .	3.5	45
48	Sex, Cytokines, and Cancer. Science, 2007, 317, 51-52.	6.0	42
49	Reduced infiltration and increased apoptosis of leukocytes at sites of inflammation by systemic administration of a membrane-permeable IÎ²? repressor. Arthritis and Rheumatism, 2004, 50, 2675-2684.	6.7	41
50	Soluble ectodomain CD163 and extracellular vesicle-associated CD163 are two differently regulated forms of â€“soluble CD163â€™ in plasma. Scientific Reports, 2017, 7, 40286.	1.6	38
51	Targeting STAT3 and STAT5 in Tumor-Associated Immune Cells to Improve Immunotherapy. Cancers, 2019, 11, 1832.	1.7	38
52	GADD45Î² Loss Ablates Innate Immunosuppression in Cancer. Cancer Research, 2018, 78, 1275-1292.	0.4	33
53	The Role of Plasmacytoid Dendritic Cells in Cancers. Frontiers in Immunology, 2021, 12, 749190.	2.2	33
54	Cigarette Smoke Induced Airway Inflammation Is Independent of NF-ÎB Signalling. PLoS ONE, 2013, 8, e54128.	1.1	32

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55	Macrophages orchestrate the expansion of a proangiogenic perivascular niche during cancer progression. <i>Science Advances</i> , 2021, 7, eabg9518.	4.7	32
56	Platelet CD40L Modulates Thrombus Growth Via Phosphatidylinositol 3-Kinase $\hat{I}^2$ , and Not Via CD40 and $\hat{I}^B$ Kinase $\hat{I}^{\pm}$ . <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 1374-1381.	1.1	31
57	Air-Pouch Models of Inflammation and Modifications for the Study of Granuloma-Mediated Cartilage Degradation. , 2003, 225, 181-190.		29
58	IKK $\hat{I}^{\pm}$ in the regulation of inflammation and adaptive immunity. <i>Biochemical Society Transactions</i> , 2007, 35, 270-272.	1.6	24
59	Receptor Activator of NF- $\hat{I}^B$ Orchestrates Activation of Antiviral Memory CD8 $\hat{A}T$ Cells in the Spleen Marginal Zone. <i>Cell Reports</i> , 2017, 21, 2515-2527.	2.9	24
60	Macrophages and NF- $\hat{I}^B$ in Cancer. <i>Current Topics in Microbiology and Immunology</i> , 2010, 349, 171-184.	0.7	20
61	I kappa B kinase alpha (IKK $\hat{I}^{\pm}$ ) activity is required for functional maturation of dendritic cells and acquired immunity to infection. <i>EMBO Journal</i> , 2013, 32, 816-828.	3.5	19
62	The three members of the Vav family proteins form complexes that concur to foam cell formation and atherosclerosis. <i>Journal of Lipid Research</i> , 2019, 60, 2006-2019.	2.0	17
63	Precise and Rapid Validation of Candidate Gene by Allele Specific Knockout With CRISPR/Cas9 in Wild Mice. <i>Frontiers in Genetics</i> , 2019, 10, 124.	1.1	17
64	Bone Marrow-Specific Knock-In of a Non-Activatable Ikk $\hat{I}^{\pm}$ Kinase Mutant Influences Haematopoiesis but Not Atherosclerosis in Apoe-Deficient Mice. <i>PLoS ONE</i> , 2014, 9, e87452.	1.1	14
65	Sympathetic axonal sprouting induces changes in macrophage populations and protects against pancreatic cancer. <i>Nature Communications</i> , 2022, 13, 1985.	5.8	14
66	Investigating Macrophage and Malignant Cell Interactions In Vitro. <i>Methods in Molecular Biology</i> , 2009, 512, 325-332.	0.4	12
67	The resolution of acute inflammation: A "tipping point"™ in the development of chronic inflammatory diseases. , 2008, , 1-18.		10
68	Modulation of inflammation in vivo through induction of the heat shock response, effects on NF- $\hat{I}^B$ activation. <i>Inflammation Research</i> , 2002, 51, 108-109.	1.6	7
69	PAR-1 signaling on macrophages is required for effective in vivo delayed-type hypersensitivity responses. <i>IScience</i> , 2021, 24, 101981.	1.9	7
70	An inducible model for specific neutrophil depletion by diphtheria toxin in mice. <i>Science China Life Sciences</i> , 2021, 64, 1227-1235.	2.3	4
71	Non-activatable mutant of inhibitor of kappa B kinase $\hat{I}^{\pm}$ (IKK $\hat{I}^{\pm}$ ) exerts vascular site-specific effects on atherosclerosis in Apoe-deficient mice. <i>Atherosclerosis</i> , 2020, 292, 23-30.	0.4	3
72	New insights into inflammatory resolution. <i>Inflammopharmacology</i> , 2001, 9, 125-130.	1.9	1

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73	Cytokines and Chemokines in Inflammation and Cancer. , 0, , 244-252.		1
74	Coordinated Regulation of Signaling Pathways during Macrophage Activation. Microbiology Spectrum, 2016, 4, .	1.2	1
75	Role of NF- $\kappa$ B Activation in Macrophages. , 2014, , 447-462.		1
76	Tumor-Induced Cholesterol Efflux from Macrophages Drives IL-4 Mediated Reprogramming and Tumor Progression. SSRN Electronic Journal, 0, , .	0.4	1
77	148 "Re-educating"™ macrophages in infection and cancer by targeting NF- $\kappa$ B. Cytokine, 2008, 43, 271.	1.4	0
78	Coordinated Regulation of Signaling Pathways during Macrophage Activation. , 2017, , 543-552.		0