Derek W Gilroy

List of Publications by Year
in descending order

141 papers	22,619 citations	26405 56 h-index	13250 132 g-index
163 all docs	163 docs citations	163 times ranked	37677 citing authors

#	Article	IF	Citations
1	Macrophage Activation and Polarization: Nomenclature and Experimental Guidelines. Immunity, 2014, 41, 14-20.	14.2	4,858
2	Chronic inflammation in the etiology of disease across the life span. Nature Medicine, 2019, 25, 1822-1832.	30.1	2,537
3	Inducible cyclooxygenase may have anti-inflammatory properties. Nature Medicine, 1999, 5, 698-701.	30.1	1,176
4	Possible new role for NF-ÎºB in the resolution of inflammation. Nature Medicine, 2001, 7, 1291-1297.	30.1	975
5	Resolution of in flammation: state of the art, definitions and terms. FASEB Journal, 2007, 21, 325-332.	0.5	958
6	The fate and lifespan of human monocyte subsets in steady state and systemic inflammation. Journal of Experimental Medicine, 2017, 214, 1913-1923.	8.8	780
7	Anti-inflammatory lipid mediators and insights into the resolution of inflammation. Nature Reviews Immunology, 2002, 2, 787-795.	22.5	754
8	Proresolving Lipid Mediators and Mechanisms in the Resolution of Acute Inflammation. Immunity, 2014, 40, 315-327.	14.2	689
9	Resolution of inflammation: a new therapeutic frontier. Nature Reviews Drug Discovery, 2016, 15, 551-567.	61.5	682
10	Inflammatory Resolution: new opportunities for drug discovery. Nature Reviews Drug Discovery, 2004, 3, 401-416.	61.5	670
11	The resolution of inflammation. Nature Reviews Immunology, 2013, 13, 59-66.	22.5	470
12	Chronic inflammation: a failure of resolution?. International Journal of Experimental Pathology, 2006, 88, 85-94.	1.3	287
13	Resolution-phase macrophages possess a unique inflammatory phenotype that is controlled by cAMP. Blood, 2008, 112, 4117-4127.	1.4	283
14	Effects of Low-Dose Aspirin on Acute Inflammatory Responses in Humans. Journal of Immunology, 2009, 183, 2089-2096.	0.8	282
15	Old and new generation lipid mediators in acute inflammation and resolution. Progress in Lipid Research, 2011, 50, 35-51.	12.1	280
16	Transcriptomic analyses of murine resolution-phase macrophages. Blood, 2011, 118, e192-e208.	1.4	259
17	Immunosuppression in acutely decompensated cirrhosis is mediated by prostaglandin E2. Nature Medicine, 2014, 20, 518-523.	30.1	252
18	Sex differences in resident immune cell phenotype underlie more efficient acute inflammatory responses in female mice. Blood, 2011, 118, 5918-5927.	1.4	246

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19	A sestrin-dependent Erkâ€“Jnkâ€“p38 MAPK activation complex inhibits immunity during aging. Nature Immunology, 2017, 18, 354-363.	13.9	238
20	Hematopoietic prostaglandin D₂synthase controls the onset and resolution of acute inflammation through PGD₂and 15-deoxyÎ”^{12â€“14}PGJ₂. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20979-20984.	7.6	233
21	15-epi-lipoxin A4â€“mediated Induction of Nitric Oxide Explains How Aspirin Inhibits Acute Inflammation. Journal of Experimental Medicine, 2004, 200, 69-78.	8.8	217
22	A Randomized Trial of Albumin Infusions in Hospitalized Patients with Cirrhosis. New England Journal of Medicine, 2021, 384, 808-817.	30.1	210
23	A novel role for phospholipase A 2 isoforms in the checkpoint control of acute inflammation. FASEB Journal, 2004, 18, 489-498.	0.5	175
24	Aging immunity may exacerbate COVID-19. Science, 2020, 369, 256-257.	20.9	173
25	Sestrins induce natural killer function in senescent-like CD8+ T cells. Nature Immunology, 2020, 21, 684-694.	13.9	158
26	Is Resolution the End of Inflammation?. Trends in Molecular Medicine, 2019, 25, 198-214.	7.1	149
27	Resolution of acute inflammation bridges the gap between innate and adaptive immunity. Blood, 2014, 124, 1748-1764.	1.4	147
28	COX-2 in Inflammation and Resolution. Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics, 2006, 6, 199-207.	3.2	143
29	Inducible cyclooxygenaseâ€derived 15deoxy Î” 12â€14 PGJ 2 brings about acute inflammatory resolution in rat pleurisy by inducing neutrophil and macrophage apoptosis. FASEB Journal, 2003, 17, 2269-2271.	0.5	136
30	Essential role for hematopoietic prostaglandin D2 synthase in the control of delayed type hypersensitivity. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 5179-5184.	7.6	122
31	New insights into the resolution of inflammation. Seminars in Immunology, 2015, 27, 161-168.	5.9	120
32	Differential effects of inhibitors of cyclooxygenase (cyclooxygenase 1 and cyclooxygenase 2) in acute inflammation. European Journal of Pharmacology, 1998, 355, 211-217.	3.6	119
33	Lipid Mediators in Inflammation. Microbiology Spectrum, 2016, 4, .	3.0	118
34	New insights into the role of COX 2 in inflammation. Journal of Molecular Medicine, 2000, 78, 121-129.	4.0	115
35	CYP450-derived oxylipins mediate inflammatory resolution. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E3240-9.	7.6	115
36	Inflammatory triggers of acute rejection of organ allografts. Immunological Reviews, 2014, 258, 132-144.	6.1	112

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37	Dichotomy in duration and severity of acute inflammatory responses in humans arising from differentially expressed proresolution pathways. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8842-8847.	7.6	107
38	Determinants of health-related quality of life in HIV-infected patients. AIDS Care - Psychological and Socio-Medical Aspects of AIDS/HIV, 2003, 15, 581-590.	1.3	106
39	Macrophage development and polarization in chronic inflammation. Seminars in Immunology, 2015, 27, 257-266.	5.9	99
40	A New Strategy for the Identification of Novel Molecules with Targeted Proresolution of Inflammation Properties. Journal of Immunology, 2010, 184, 1516-1525.	0.8	98
41	Blocking elevated p38 MAPK restores efferocytosis and inflammatory resolution in the elderly. Nature Immunology, 2020, 21, 615-625.	13.9	93
42	Secretory leukocyte protease inhibitor: A pivotal mediator of anti-inflammatory responses in acetaminophen-induced acute liver failure. Hepatology, 2014, 59, 1564-1576.	8.1	84
43	Selective Suppression of CCAAT/Enhancer-binding Protein Î² Binding and Cyclooxygenase-2 Promoter Activity by Sodium Salicylate in Quiescent Human Fibroblasts. Journal of Biological Chemistry, 2001, 276, 18897-18904.	3.5	83
44	Colocalization and Interaction of Cyclooxygenase-2 with Caveolin-1 in Human Fibroblasts. Journal of Biological Chemistry, 2001, 276, 34975-34982.	3.5	83
45	Lipid mediators in immune dysfunction after severe inflammation. Trends in Immunology, 2014, 35, 12-21.	6.8	78
46	Treatment-Related Adverse Events Predict Improved Clinical Outcome in NSCLC Patients on KEYNOTE-001 at a Single Center. Cancer Immunology Research, 2018, 6, 288-294.	3.3	75
47	Inflammatory Resolution Triggers a Prolonged Phase of Immune Suppression through COX-1/mPGES-1-Derived Prostaglandin E 2. Cell Reports, 2017, 20, 3162-3175.	6.3	74
48	Endogenous Epoxygenases Are Modulators of Monocyte/Macrophage Activity. PLoS ONE, 2011, 6, e26591.	2.5	72
49	Nitric Oxide Synthase Inhibitors Have Opposite Effects on Acute Inflammation Depending on Their Route of Administration. Journal of Immunology, 2001, 166, 1169-1177.	0.8	69
50	Novel biphasic role for lymphocytes revealed during resolving inflammation. Blood, 2008, 111, 4184-4192.	1.4	67
51	Pro-resolving mediators promote resolution in a human skin model of UV-killed Escherichia coliâ€“driven acute inflammation. JCI Insight, 2018, 3, .	5.0	67
52	Pathways mediating resolution of inflammation: when enough is too much. Journal of Pathology, 2013, 231, 8-20.	4.5	64
53	Attenuation of glucocorticoid functions in an Anx-A1-/- cell line. Biochemical Journal, 2003, 371, 927-935.	3.8	58
54	Macrophage Activation and Polarization: Nomenclature and Experimental Guidelines. Immunity, 2014, 41, 339-340.	14.2	55

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55	Blood transcriptional biomarkers of acute viral infection for detection of pre-symptomatic SARS-CoV-2 infection: a nested, case-control diagnostic accuracy study. Lancet Microbe, The, 2021, 2, e508-e517.	6.7	54
56	Priming innate immune responses to infection by cyclooxygenase inhibition kills antibiotic-susceptible and -resistant bacteria. Blood, 2010, 116, 2950-2959.	1.4	53
57	Potent Antiâ€Inflammatory and Proâ€Resolving Effects of Anabasum in a Human Model of Selfâ€Resolving Acute Inflammation. Clinical Pharmacology and Therapeutics, 2018, 104, 675-686.	4.9	53
58	Conventional vs. Tablet Computer-Based Patient Education following Lung Transplantation â€“ A Randomized Controlled Trial. PLoS ONE, 2014, 9, e90828.	2.5	51
59	Inhibition of NF-Î°B Activity by a Membrane-Transducing Mutant of Î°BÎ±. Journal of Immunology, 2002, 169, 2587-2593.	0.8	50
60	Albumin Counteracts Immune-Suppressive Effects of Lipid Mediators in Patients With Advanced Liver Disease. Clinical Gastroenterology and Hepatology, 2018, 16, 738-747.e7.	4.7	47
61	COX-2 and the cyclopentenone prostaglandins - a new chapter in the book of inflammation?. Prostaglandins and Other Lipid Mediators, 2000, 62, 33-43.	2.0	45
62	Recruitment of inflammatory monocytes by senescent fibroblasts inhibits antigen-specific tissue immunity during human aging. Nature Aging, 2021, 1, 101-113.	8.5	45
63	Aspirin and steroids: new mechanistic findings and avenues for drug discovery. Current Opinion in Pharmacology, 2005, 5, 405-411.	3.6	42
64	Reduced infiltration and increased apoptosis of leukocytes at sites of inflammation by systemic administration of a membrane-permeable I?B? repressor. Arthritis and Rheumatism, 2004, 50, 2675-2684.	6.8	41
65	New insights into the anti-inflammatory actions of aspirin- induction of nitric oxide through the generation of epi-lipoxins. Memorias Do Instituto Oswaldo Cruz, 2005, 100, 49-54.	1.7	39
66	Eicosanoids and the endogenous control of acute inflammatory resolution. International Journal of Biochemistry and Cell Biology, 2010, 42, 524-528.	2.9	39
67	The role of aspirin-triggered lipoxins in the mechanism of action of aspirin. Prostaglandins Leukotrienes and Essential Fatty Acids, 2005, 73, 203-210.	2.3	37
68	Inducible CYP2J2 and Its Product 11,12-EET Promotes Bacterial Phagocytosis: A Role for CYP2J2 Deficiency in the Pathogenesis of Crohnâ€™s Disease?. PLoS ONE, 2013, 8, e75107.	2.5	37
69	Cell cycleâ€dependent expression of cyclooxygenaseâ€2 in human fibroblasts. FASEB Journal, 2001, 15, 288-290.	0.5	36
70	Pre/pro-B cells generate macrophage populations during homeostasis and inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E3954-E3963.	7.6	32
71	Sex-specific regulation of chemokine Cxcl5/6 controls neutrophil recruitment and tissue injury in acute inflammatory states. Biology of Sex Differences, 2015, 6, 27.	4.2	30
72	Intravenous Endotoxin Challenge in Healthy Humans: An Experimental Platform to Investigate and Modulate Systemic Inflammation. Journal of Visualized Experiments, 2016, , .	0.3	30

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73	COX-2 expression and cell cycle progression in human fibroblasts. American Journal of Physiology - Cell Physiology, 2001, 281, C188-C194.	4.6	29
74	Tissue CD14+CD8+ T cells reprogrammed by myeloid cells and modulated by LPS. Nature, 2023, 614, 334-342.	36.2	29
75	Characterisation of Leukocytes in a Human Skin Blister Model of Acute Inflammation and Resolution. PLoS ONE, 2014, 9, e89375.	2.5	27
76	Potential Adverse Effects of Cyclooxygenase-2 Inhibition. BioDrugs, 2001, 15, 1-9.	5.0	26
77	Design, synthesis and evaluation of non-urea inhibitors of soluble epoxide hydrolase. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 601-605.	2.3	26
78	Prolonged immune alteration following resolution of acute inflammation in humans. PLoS ONE, 2017, 12, e0186964.	2.5	26
79	New Perspectives on Aspirin and the Endogenous Control of Acute Inflammatory Resolution. Scientific World Journal, The, 2006, 6, 1048-1065.	2.2	25
80	Nonresolving Inflammation in gp91phoxâ^'/â^' Mice, a Model of Human Chronic Granulomatous Disease, Has Lower Adenosine and Cyclic Adenosine 5â€²-Monophosphate. Journal of Immunology, 2009, 182, 3262-3269.	0.8	25
81	Novel translational model of resolving inflammation triggered by UVâ€killed E. coli. Journal of Pathology: Clinical Research, 2016, 2, 154-165.	2.9	25
82	Purification and characterization of a cyclooxygenaseâ€2 and angiogenesis suppressing factor produced by human fibroblasts. FASEB Journal, 2002, 16, 1286-1288.	0.5	24
83	ATTIRE: Albumin To prevenT Infection in chronic liveR failurE: study protocol for an interventional randomised controlled trial. BMJ Open, 2018, 8, e023754.	2.1	23
84	Elucidation of the temporal relationship between endothelial-derived NO and EDHF in mesenteric vessels. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H1682-H1688.	3.4	21
85	On-line screening of matrix metalloproteinase inhibitors by capillary electrophoresis coupled to ESI mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2013, 930, 48-53.	2.4	21
86	Bile ductâ€ligated mice exhibit multiple phenotypic similarities to acuteÂdecompensation patients despite histological differences. Liver International, 2016, 36, 837-846.	4.0	21
87	Asymmetric Synthesis and Biological Screening of Quinoxaline-Containing Synthetic Lipoxin A₄ Mimetics (QNX-sLXms). Journal of Medicinal Chemistry, 2021, 64, 9193-9216.	6.6	20
88	Administration of Albumin Solution Increases Serum Levels of Albumin in Patients With Chronic Liver Failure in a Single-Arm Feasibility Trial. Clinical Gastroenterology and Hepatology, 2018, 16, 748-755.e6.	4.7	19
89	Expression of a-Amylase in Phaseolus vulgaris and Vigna mungo Plants. Plant and Cell Physiology, 1992, 33, 253-258.	3.2	18
90	The Effect of Pro-Inflammatory Conditioning and/or High Glucose on Telomere Shortening of Aging Fibroblasts. PLoS ONE, 2013, 8, e73756.	2.5	17

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91	Prostaglandin F2Î± produced by inducible cyclooxygenase may contribute to the resolution of inflammation. Inflammopharmacology, 2005, 12, 473-476.	3.9	16
92	Data on detection of singlet oxygen, hydroxyl radical and organic radical in Arabidopsis thaliana. Data in Brief, 2018, 21, 2246-2252.	1.1	14
93	Lipid Mediators in Acute Inflammation and Resolution: Eicosanoids, PAF, Resolvins, and Protectins. , 2010, , 153-174.		13
94	Measuring Semantic-Based Structural Similarity in Multi-Relational Networks. International Journal of Data Warehousing and Mining, 2016, 12, 20-33.	0.6	13
95	Comparative effectiveness of visual/tactile and simplified screening examinations in caries risk assessment. Community Dentistry and Oral Epidemiology, 1992, 20, 326-332.	2.0	10
96	Resolution for Sepsis?. Circulation, 2005, 111, 2-4.	9.3	10
97	The resolution of acute inflammation: A â€˜tipping pointâ€™ in the development of chronic inflammatory diseases. , 2008, , 1-18.		10
98	Intimal smooth muscle cells are a source but not a sensor of anti-inflammatory CYP450 derived oxylipins. Biochemical and Biophysical Research Communications, 2015, 463, 774-780.	2.2	10
99	Tech giants, armed with wearables data, are entrenching in health research. Nature Medicine, 2020, 26, 4-5.	30.1	10
100	The endogenous control of acute inflammation â€“ from onset to resolution. Drug Discovery Today: Therapeutic Strategies, 2004, 1, 313-319.	0.5	9
101	Bleeding Meckelâ€™s Diverticulum in Children: The Diagnostic Value of Double-Balloon Enteroscopy. Gastroenterology Research and Practice, 2017, 2017, 1-5.	1.5	9
102	Not all eicosanoids are bad. Trends in Pharmacological Sciences, 2006, 27, 609-611.	8.6	8
103	Treating exuberant, non-resolving inflammation in the lung; Implications for acute respiratory distress syndrome and COVID-19. , 2021, 221, 107745.		8
104	Modelling and optimization of quality and costs on empirical data of hearth bread. LWT - Food Science and Technology, 2004, 37, 527-538.	5.3	7
105	Study on thermoelastohydrodynamic performance of bearing with surface roughness considering shaft deformation under load in shaftâ€bearing system. Industrial Lubrication and Tribology, 2013, 65, 119-128.	1.4	7
106	A Comparison of Human Neutrophils Acquired from Four Experimental Models of Inflammation. PLoS ONE, 2016, 11, e0165502.	2.5	7
107	ATTIRE: Albumin To prevenT Infection in chronic liveR failurE: study protocol for a single-arm feasibility trial. BMJ Open, 2016, 6, e010132.	2.1	7
108	In Vivo Models to Study Cyclooxygenase Products in Health and Disease: Introduction to Part III. Methods in Molecular Biology, 2010, 644, 181-188.	0.0	7

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109	HIF1Î± Allows Monocytes to Take a Breather during Sepsis. Immunity, 2015, 42, 397-399.	14.2	6
110	Influence of physician networks on prescribing a new ingredient combination in heart failure: a longitudinal claim data-based study. Implementation Science, 2021, 16, 84.	7.4	6
111	Monocyte dysfunction in decompensated cirrhosis is mediated by the prostaglandin E2-EP4 pathway. JHEP Reports, 2021, 3, 100332.	5.1	6
112	Potent antiâ€inflammatory effects of an H ₂ Sâ€releasing naproxen (ATBâ€346) in a human model of inflammation. FASEB Journal, 2021, 35, e21913.	0.5	6
113	Lipid Mediators in Inflammation. , 0, , 343-366.		5
114	Profile of dog bite injuries in patients presenting at Kimberley Hospital Complexâ€™s emergency and gateway centres, 2015 to 2017. African Journal of Primary Health Care and Family Medicine, 2020, 12, e1-e7.	0.8	5
115	Resolving inflammation. Nature Reviews Immunology, 2021, 21, 620-621.	22.5	5
116	Clinical, Cellular, and Molecular Effects of Corticosteroids on the Response to Intradermal Lipopolysaccharide Administration in Healthy Volunteers. Clinical Pharmacology and Therapeutics, 2022, 111, 964-971.	4.9	5
117	Targeting Lipoxygenases with Care. Chemistry and Biology, 2006, 13, 1121-1122.	6.2	4
118	Clinical results of randomized trials and â€˜real-worldâ€™ data exploring the impact of Bevacizumab for breast cancer: opportunities for clinical practice and perspectives for research. Expert Opinion on Biological Therapy, 2017, 17, 497-506.	3.2	4
119	Inhibition of the diclofenacâ€induced cyclooxygenaseâ€2 activity by paracetamol in cultured macrophages is not related to the intracellular lipid hydroperoxide tone. Fundamental and Clinical Pharmacology, 2011, 25, 186-190.	2.1	3
120	A single cell atlas of frozen shoulder capsule identifies features associated with inflammatory fibrosis resolution. Nature Communications, 2024, 15, .	13.2	3
121	On the uniqueness of the surface sources of evoked potentials. Physical Review E, 2001, 64, 041901.	2.1	2
122	Resolution of Acute Inflammation and Wound Healing. , 2010, , 17-27.		2
123	Directed issue: Novel concepts in inflammation. International Journal of Biochemistry and Cell Biology, 2010, 42, 480-481.	2.9	2
124	New insights into inflammatory resolution. Inflammopharmacology, 2001, 9, 125-130.	3.9	1
125	Neutrophilâ€“Endothelial Cell Interactions. , 0, , 141-152.		1
126	The IIP Examination: an Analysis of Group Performance 2009â€“2011. Journal of Digital Imaging, 2013, 26, 378-382.	3.0	1

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127	FRI-109-Increased plasma leukotriene B4 in decompensated cirrhosis associates with disease progression and leads to increased skin window neutrophil infiltration. Journal of Hepatology, 2019, 70, e435.	3.9	1
128	The role of the inducible enzymes cyclooxygenase-2, nitric oxide synthase and heme oxygenase in angiogenesis of inflammation. , 1999, , 125-147.		1
129	Gastrointestinal Inflammation and Ulceration: Mediators of Induction and Resolution. , 0, , 282-298.		0
130	Inflammation in Cardiovascular Diseases. , 2010, , 317-328.		0
131	Exaggerated Onset and Delayed Resolution of Acute Inflammation in Ulcerative Colitis. Gastroenterology, 2017, 152, S996.	1.4	0
132	5-Aminosalicylates Promote Generation of Anti-Inflammatory Hydroxy Fatty Acids that Contribute to Inflammation Resolution in Ulcerative Colitis. Gastroenterology, 2017, 152, S996-S997.	1.4	0
133	OWE-015â€…Prostaglandin E2 mediates innate immune suppression in acute-on-chronic liver failure via the EP4 receptor. Gut, 2018, , .	13.7	0
134	FRI-112-Prediction of treatment failures in a multicentre feasibility trial using human albumin solution to prevent infection in acute decompensation of liver cirrhosis. Journal of Hepatology, 2019, 70, e436.	3.9	0
135	The changing of cognitive function and the influence of learning effect on the results before and after the CSF tap test in patients with normal pressure hydrocephalus. Alzheimer's and Dementia, 2020, 16, e037467.	0.7	0
136	Dying cell-derived SAM switches off inflammation. Nature Metabolism, 2022, , .	11.4	0
137	Adaptive strategies to fast multipole method in photoionisation calculations for streamer discharges. High Voltage, 0, , .	5.0	0
138	Home built environment interventions and inflammation biomarkers: a systematic review and meta-analysis protocol. BJGP Open, 0, , BJGPO.2022.0104.	1.8	0
139	A Study on an Evacuation Analysis Model Considering Juvenile Youth at Clinics and Wards in a General Hospital - Concentrated on Evacuation Movement as per User Characteristics -. ì²¡ì†Œë…„ì‹œì„¤ í™˜ìž¥, 2020, 18, 57-66.	0.1	0
140	Australian Policy Towards Japan Since 1945. , 0, , 243-271.		0
141	Post-resolution macrophages shape long-term tissue immunity and integrity in a mouse model of pneumococcal pneumonia. Nature Communications, 2024, 15, .	13.2	0