Steven Edwards

List of Publications by Citations

115 papers	6,991 citations	42 h-index	82 g-index
120 ext. papers	7,938 ext. citations	4.7 avg, IF	5.79 L-index

#	Paper	IF	Citations
115	Oscillations in NF-kappaB signaling control the dynamics of gene expression. *Science*, **2004**, 306, 704-8	33.3	953
114	Neutrophil function in inflammation and inflammatory diseases. *Rheumatology*, **2010**, 49, 1618-31	3.9	515
113	Mcl-1; the molecular regulation of protein function. *FEBS Letters*, **2010**, 584, 2981-9	3.8	393
112	Molecular control of neutrophil apoptosis. *FEBS Letters*, **2001**, 487, 318-22	3.8	361
111	The multifactorial role of neutrophils in rheumatoid arthritis. *Nature Reviews Rheumatology*, **2014**, 10, 593-601	8.1	311
110	Mcl-1 Expression in Human Neutrophils: Regulation by Cytokines and Correlation With Cell Survival. *Blood*, **1998**, 92, 2495-2502	2.2	309
109	Seeing the wood for the trees: the forgotten role of neutrophils in rheumatoid arthritis. *Trends in Immunology*, **1997**, 18, 320-4		278
108	The mitochondrial network of human neutrophils: role in chemotaxis, phagocytosis, respiratory burst activation, and commitment to apoptosis. *Journal of Immunology*, **2003**, 170, 1964-72	5.3	245
107	Granulocyte macrophage colony-stimulating factor signaling and proteasome inhibition delay neutrophil apoptosis by increasing the stability of Mcl-1. *Journal of Biological Chemistry*, **2004**, 279, 26915-21	5.4	187
106	BCL-2 family expression in human neutrophils during delayed and accelerated apoptosis. *Journal of Leukocyte Biology*, **2001**, 70, 783-92	6.5	131
105	Apoptosis is rapidly triggered by antisense depletion of MCL-1 in differentiating U937 cells. *Blood*, **2000**, 96, 1756-1763	2.2	123
104	Effects of IL-6 and IL-6 blockade on neutrophil function in vitro and in vivo. *Rheumatology*, **2014**, 53, 1321-31	3.9	110
103	Human neutrophils in auto-immunity. *Seminars in Immunology*, **2016**, 28, 159-73	10.7	107
102	Mcl-1 expression in human neutrophils: regulation by cytokines and correlation with cell survival. *Blood*, **1998**, 92, 2495-502	2.2	98
101	Biochemistry and Physiology of the Neutrophil **1994**,		90
100	Functional analysis of the human MCL-1 gene. *Cellular and Molecular Life Sciences*, **2000**, 57, 684-91	10.3	86
99	Immunological detection of myeloperoxidase in synovial fluid from patients with rheumatoid arthritis. *Biochemical Journal*, **1988**, 250, 81-5	3.8	84

98	Regulation of neutrophil apoptosis by Mcl-1. *Biochemical Society Transactions*, **2004**, 32, 489-92	5.1	83
97	Analysis of SF and plasma cytokines provides insights into the mechanisms of inflammatory arthritis and may predict response to therapy. *Rheumatology*, **2012**, 51, 451-9	3.9	76
96	Synovial fluid neutrophils transcribe and express class II major histocompatibility complex molecules in rheumatoid arthritis. *Arthritis and Rheumatism*, **2003**, 48, 2796-806		76
95	Neutrophil function in whole blood and after purification: changes in receptor expression, oxidase activity and responsiveness to cytokines. *Bioscience Reports*, **1992**, 12, 123-33	4.1	76
94	Interferon gene expression signature in rheumatoid arthritis neutrophils correlates with a good response to TNFi therapy. *Rheumatology*, **2015**, 54, 188-93	3.9	73
93	The dual effects of TNFalpha on neutrophil apoptosis are mediated via differential effects on expression of Mcl-1 and Bfl-1. *Blood*, **2008**, 111, 878-84	2.2	72
92	In vivo localisation and stability of human Mcl-1 using green fluorescent protein (GFP) fusion proteins. *FEBS Letters*, **2000**, 478, 72-6	3.8	72
91	RNA-seq reveals activation of both common and cytokine-specific pathways following neutrophil priming. *PLoS ONE*, **2013**, 8, e58598	3.7	72
90	Neutrophils isolated from the synovial fluid of patients with rheumatoid arthritis: priming and activation in vivo. *Annals of the Rheumatic Diseases*, **1991**, 50, 147-53	2.4	71
89	Differential role of neutrophil Fcgamma receptor IIIB (CD16) in phagocytosis, bacterial killing, and responses to immune complexes. *Arthritis and Rheumatism*, **2002**, 46, 1351-61		69
88	Low-density granulocytes: functionally distinct, immature neutrophils in rheumatoid arthritis with altered properties and defective TNF signalling. *Journal of Leukocyte Biology*, **2017**, 101, 599-611	6.5	68
87	Neutrophils from the synovial fluid of patients with rheumatoid arthritis express the high affinity immunoglobulin G receptor, Fc gamma RI (CD64): role of immune complexes and cytokines in induction of receptor expression. *Immunology*, **1997**, 91, 266-73	7.8	62
86	The role of neutrophil apoptosis in juvenile-onset systemic lupus erythematosus. *Arthritis and Rheumatism*, **2009**, 60, 2390-401		61
85	Activation of neutrophil reactive-oxidant production by synovial fluid from patients with inflammatory joint disease. Soluble and insoluble immunoglobulin aggregates activate different pathways in primed and unprimed cells. *Biochemical Journal*, **1992**, 286 (Pt 2), 345-51	3.8	61
84	Oxygen-radical production during inflammation may be limited by oxygen concentration. *Biochemical Journal*, **1984**, 217, 851-4	3.8	61
83	Bile acids inhibit Mcl-1 protein turnover via an epidermal growth factor receptor/Raf-1-dependent mechanism. *Cancer Research*, **2002**, 62, 6500-5	10.1	61
82	Changes in expression of membrane TNF, NF-{kappa}B activation and neutrophil apoptosis during active and resolved inflammation. *Annals of the Rheumatic Diseases*, **2011**, 70, 537-43	2.4	60
81	Oxidative inactivation of myeloperoxidase released from human neutrophils. *Biochemical Journal*, **1987**, 245, 925-8	3.8	60

80	Neutrophil apoptosis in rheumatoid arthritis is regulated by local oxygen tensions within joints. *Journal of Leukocyte Biology*, **2006**, 80, 521-8	6.5	58
79	Cell signalling by integrins and immunoglobulin receptors in primed neutrophils. *Trends in Biochemical Sciences*, **1995**, 20, 362-7	10.3	58
78	Microbial mannan inhibits bacterial killing by macrophages: a possible pathogenic mechanism for Crohnʀs disease. *Gastroenterology*, **2007**, 133, 1487-98	13.3	56
77	Secretion of oncostatin M by neutrophils in rheumatoid arthritis. *Arthritis and Rheumatism*, **2004**, 50, 1430-6		56
76	Insoluble and soluble immune complexes activate neutrophils by distinct activation mechanisms: changes in functional responses induced by priming with cytokines. *Annals of the Rheumatic Diseases*, **2002**, 61, 13-9	2.4	56
75	Sodium salicylate promotes neutrophil apoptosis by stimulating caspase-dependent turnover of Mcl-1. *Journal of Immunology*, **2006**, 176, 957-65	5.3	51
74	The O-2 Generating NADPH Oxidase of Phagocytes: Structure and Methods of Detection. *Methods*, **1996**, 9, 563-77	4.6	47
73	Mucocutaneous manifestations in juvenile-onset systemic lupus erythematosus: a review of literature. *Pediatric Rheumatology*, **2015**, 13, 1	3.5	42
72	Fcgamma receptors in autoimmune diseases. *European Journal of Clinical Investigation*, **2001**, 31, 821-31	4.6	38
71	Apoptosis is rapidly triggered by antisense depletion of MCL-1 in differentiating U937 cells. *Blood*, **2000**, 96, 1756-63	2.2	38
70	Haemophilus influenzae induces neutrophil necrosis: a role in chronic obstructive pulmonary disease?. *American Journal of Respiratory Cell and Molecular Biology*, **2007**, 37, 135-43	5.7	37
69	Regulation of neutrophil FcgammaRIIIb (CD16) surface expression following delayed apoptosis in response to GM-CSF and sodium butyrate. *Journal of Leukocyte Biology*, **1999**, 65, 875-82	6.5	34
68	Receptor expression in synovial fluid neutrophils from patients with rheumatoid arthritis. *Annals of the Rheumatic Diseases*, **1993**, 52, 354-9	2.4	34
67	In vitro effects of GM-CSF on mature peripheral blood neutrophils. *International Journal of Molecular Medicine*, **1998**, 1, 943-51	4.4	32
66	Regulation of neutrophil apoptosis. *Chemical Immunology and Allergy*, **2003**, 83, 204-24		31
65	Receptor expression and oxidase activity in human neutrophils: regulation by granulocyte-macrophage colony-stimulating factor and dependence upon protein biosynthesis. *Bioscience Reports*, **1990**, 10, 393-401	4.1	31
64	Whose Gene Is It Anyway? The Effect of Preparation Purity on Neutrophil Transcriptome Studies. *PLoS ONE*, **2015**, 10, e0138982	3.7	28
63	Granulocyte-macrophage colony-stimulating factor (GM-CSF) primes the respiratory burst and stimulates protein biosynthesis in human neutrophils. *FEBS Letters*, **1989**, 256, 62-6	3.8	25

62	Role of Fc gamma receptors in the activation of neutrophils by soluble and insoluble immunoglobulin aggregates isolated from the synovial fluid of patients with rheumatoid arthritis. *Annals of the Rheumatic Diseases*, **1994**, 53, 515-20	2.4	24
61	Protein synthesis is activated in primed neutrophils: a possible role in inflammation. *Bioscience Reports*, **1987**, 7, 881-90	4.1	24
60	Rheumatoid Arthritis Synovial Fluid Neutrophils Drive Inflammation Through Production of Chemokines, Reactive Oxygen Species, and Neutrophil Extracellular Traps. *Frontiers in Immunology*, **2020**, 11, 584116	8.4	24
59	Wolbachia endosymbionts induce neutrophil extracellular trap formation in human onchocerciasis. *Scientific Reports*, **2016**, 6, 35559	4.9	23
58	Neutrophil biomarkers predict response to therapy with tumor necrosis factor inhibitors in rheumatoid arthritis. *Journal of Leukocyte Biology*, **2017**, 101, 785-795	6.5	23
57	Neutrophil gene expression in rheumatoid arthritis. *Pathophysiology*, **2005**, 12, 191-202	1.8	23
56	Mucocutaneous manifestations in a UK national cohort of juvenile-onset systemic lupus erythematosus patients. *Rheumatology*, **2014**, 53, 1504-12	3.9	22
55	Anti-neutrophil cytoplasmic antibodies and their clinical significance. *Clinical Rheumatology*, **2018**, 37, 875-884	3.9	20
54	Chemiluminescence of human bloodstream monocytes and neutrophils: an unusual oxidant(s) generated by monocytes during the respiratory burst. *Luminescence*, **1992**, 7, 229-38		20
53	The protective effect of GM-CSF on serum-induced neutrophil apoptosis in juvenile systemic lupus erythematosus patients. *Clinical Rheumatology*, **2015**, 34, 85-91	3.9	18
52	Heparin derivatives for the targeting of multiple activities in the inflammatory response. *Carbohydrate Polymers*, **2015**, 117, 400-407	10.3	18
51	A lack of confirmation with alternative assays questions the validity of IL-17A expression in human neutrophils using immunohistochemistry. *Immunology Letters*, **2014**, 162, 194-8	4.1	18
50	Neutrophil apoptosis is delayed by the diadenosine polyphosphates, Ap5A and Ap6A: synergism with granulocyte-macrophage colony-stimulating factor. *British Journal of Haematology*, **1996**, 95, 637-9	4.5	17
49	Effect of cytotoxic drugs on mature neutrophil function in the presence and absence of granulocyte-macrophage colony-stimulating factor. *British Journal of Haematology*, **1993**, 84, 316-21	4.5	17
48	Human neutrophils activated via TLR8 promote Th17 polarization through IL-23. *Journal of Leukocyte Biology*, **2019**, 105, 1155-1165	6.5	17
47	Gamma interferon enhances the killing of Staphylococcus aureus by human neutrophils. *Microbiology (United Kingdom)*, **1988**, 134, 37-42	2.9	16
46	Killing of Escherichia coli by Crohn's Disease Monocyte-derived Macrophages and Its Enhancement by Hydroxychloroquine and Vitamin D. *Inflammatory Bowel Diseases*, **2015**, 21, 1499-510	4.5	15
45	Mavrilimumab, a human monoclonal GM-CSF receptor-α antibody for the management of rheumatoid arthritis: a novel approach to therapy. *Expert Opinion on Biological Therapy*, **2012**, 12, 1661-8	5.4	15

44	Activation of human neutrophils by soluble immune complexes: role of Fc gamma RII and Fc gamma RIIIb in stimulation of the respiratory burst and elevation of intracellular Ca2+. *Annals of the New York Academy of Sciences*, **1997**, 832, 341-57	6.5	15
43	Phospholipase D-dependent and -independent activation of the neutrophil NADPH oxidase. *Bioscience Reports*, **1994**, 14, 91-102	4.1	15
42	Oxygen-dependent killing of Staphylococcus aureus by human neutrophils. *Microbiology (United Kingdom)*, **1987**, 133, 3591-7	2.9	15
41	Cutaneous immunopathology of long-standing complex regional pain syndrome. *European Journal of Pain*, **2015**, 19, 1516-26	3.7	14
40	Inhibition of pre-B cell colony-enhancing factor (PBEF/NAMPT/visfatin) decreases the ability of human neutrophils to generate reactive oxidants but does not impair bacterial killing. *Journal of Leukocyte Biology*, **2013**, 94, 481-92	6.5	13
39	Differential changes in gene expression in human neutrophils following TNF-stimulation: Up-regulation of anti-apoptotic proteins and down-regulation of proteins involved in death receptor signaling. *Immunity, Inflammation and Disease*, **2016**, 4, 35-44	2.4	13
38	Human filarial Wolbachia lipopeptide directly activates human neutrophils in vitro. *Parasite Immunology*, **2014**, 36, 494-502	2.2	11
37	Opisthorchiasis-Induced Cholangiocarcinoma: How Innate Immunity May Cause Cancer. *Advances in Parasitology*, **2018**, 101, 149-176	3.2	10
36	Serine 162, an essential residue for the mitochondrial localization, stability and anti-apoptotic function of Mcl-1. *PLoS ONE*, **2012**, 7, e45088	3.7	10
35	Temperature-compensated ultradian rhythms in lower eukaryotes: Periodic turnover coupled to a timer for cell division. *Journal of Interdisciplinary Cycle Research*, **1986**, 17, 321-326		10
34	Oral Ulcers in Juvenile-Onset Systemic Lupus Erythematosus: A Review of the Literature. *American Journal of Clinical Dermatology*, **2017**, 18, 755-762	7.1	9
33	Regulation of neutrophil apoptosis by sodium butyrate. *Biologicals*, **1996**, 24, 301-6	1.8	9
32	Formation of myeloperoxidase compound II during aerobic stimulation of rat neutrophils. *Bioscience Reports*, **1986**, 6, 275-82	4.1	9
31	Defective Neutrophil Function in Patients with Sepsis Is Mostly Restored by ex vivo Ascorbate Incubation. *Journal of Inflammation Research*, **2020**, 13, 263-274	4.8	8
30	The relationship between superoxide generation, cytochrome b and oxygen in activated neutrophils. *FEBS Letters*, **1988**, 227, 39-42	3.8	8
29	Inhibition of neutrophil superoxide secretion by the preservative, methylhydroxybenzoate: effects mediated by perturbation of intracellular Ca2+?. *Free Radical Research Communications*, **1990**, 10, 333-43		7
28	The clinical significance of fungi in atopic dermatitis. *International Journal of Dermatology*, **2020**, 59, 926-935	1.7	7
27	A robust intracellular metabolite extraction protocol for human neutrophil metabolic profiling. *PLoS ONE*, **2018**, 13, e0209270	3.7	7

26	The CDK inhibitor purvalanol A induces neutrophil apoptosis and increases the turnover rate of Mcl-1: potential role of p38-MAPK in regulation of Mcl-1 turnover. *Clinical and Experimental Immunology*, **2018**, 192, 171-180	6.2	6
25	Expression of Fc gamma RIII in neutrophils in rheumatoid arthritis. *Biochemical Society Transactions*, **1996**, 24, 489S	5.1	6
24	Sequential phospholipase activation in the stimulation of the neutrophil NADPH oxidase. *FEMS Microbiology Letters*, **1992**, 5, 239-48	2.9	6
23	CO-reacting haemoproteins of neutrophils: evidence for cytochrome b-245 and myeloperoxidase as potential oxidases during the respiratory burst. *Bioscience Reports*, **1987**, 7, 193-9	4.1	6
22	DcR3 mutations in patients with juvenile-onset systemic lupus erythematosus lead to enhanced lymphocyte proliferation. *Journal of Rheumatology*, **2013**, 40, 1316-26	4.1	5
21	The Inhibitory Effect of Validamycin A on. *International Journal of Microbiology*, **2020**, 2020, 3972415	3.6	5
20	Synovial fluid IL-6 concentrations associated with positive response to tocilizumab in an RA patient with failed response to anti-TNF and rituximab. *Rheumatology*, **2015**, 54, 743-4	3.9	4
19	Stimulation of primed neutrophils by soluble immune complexes. *Biologicals*, **1996**, 24, 307-11	1.8	4
18	Impaired neutrophil killing in a patient with defective degranulation of myeloperoxidase. *Journal of Clinical & Laboratory Immunology*, **1988**, 25, 201-6		4
17	High macrophage activities are associated with advanced periductal fibrosis in chronic Opisthorchis viverrini infection. *Parasite Immunology*, **2019**, 41, e12603	2.2	4
16	APPA (apocynin and paeonol) modulates pathological aspects of human neutrophil function, without supressing antimicrobial ability, and inhibits TNF□expression and signalling. *Inflammopharmacology*, **2020**, 28, 1223-1235	5.1	3
15	Preservation of the activity of NADPH oxidase in human monocyte/macrophages. *Biochemical Society Transactions*, **1996**, 24, 490S	5.1	3
14	Gene expression by inflammatory neutrophils: stimulation of interleukin-1 beta production by rheumatoid synovial fluid. *Biochemical Society Transactions*, **1996**, 24, 493S	5.1	3
13	Relationships between blood leukocyte mitochondrial DNA copy number and inflammatory cytokines in knee osteoarthritis. *Journal of Zhejiang University: Science B*, **2020**, 21, 42-52	4.5	3
12	Internalization of Neutrophil-Derived Microvesicles Modulates TNF□Stimulated Proinflammatory Cytokine Production in Human Fibroblast-Like Synoviocytes. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
11	The Inhibitory Effect of Human Beta-defensin-3 on Isolated from Patients with Candidiasis. *Immunological Investigations*, **2021**, 50, 80-91	2.9	3
10	Type I interferon regulates cytokine-delayed neutrophil apoptosis, reactive oxygen species production and chemokine expression. *Clinical and Experimental Immunology*, **2021**, 203, 151-159	6.2	3
9	Enhanced neutrophil functions during Opisthorchis viverrini infections and correlation with advanced periductal fibrosis. *International Journal for Parasitology*, **2020**, 50, 145-152	4.3	2

8	Regulation of neutrophil apoptosis by diadenosine pentaphosphate and GM-CSF. *Biochemical Society Transactions*, **1996**, 24, 491S	5.1	2
7	Modulation of neutrophil apoptosis by pharmacological agents. *Biochemical Society Transactions*, **1996**, 24, 492S	5.1	2
6	Interactions between bacterial surfaces and phagocyte plasma membranes. *Biochemical Society Transactions*, **1989**, 17, 460-2	5.1	2
5	Isolation of Microvesicles from Human Circulating Neutrophils. *Bio-protocol*, **2021**, 11, e3119	0.9	0
4	Effect of azacytidine upon protein synthesis in human neutrophils. *Biochemical Society Transactions*, **1989**, 17, 757-758	5.1	
3	Gene expression in human neutrophils. *Biochemical Society Transactions*, **1989**, 17, 755-756	5.1	
2	Myeloperoxidase secretion during phagocytosis: a case of a patient with impaired bactericidal activity. *Journal of Clinical & Laboratory Immunology*, **1988**, 27, 97-102		
1	Impaired microbial killing in two patients with defective degranulation of myeloperoxidase. *Acta Paediatrica Hungarica*, **1988**, 29, 101-4		