Anthony Segal

List of Publications by Citations

178 papers	15,845 citations	61 h-index	124 g-index
187 ext. papers	16,965 ext. citations	10.7 avg, IF	6.5 L-index

#	Paper	IF	Citations
178	How neutrophils kill microbes. *Annual Review of Immunology*, **2005**, 23, 197-223	34.7	1233
177	Inflammatory bowel disease and mutations affecting the interleukin-10 receptor. *New England Journal of Medicine*, **2009**, 361, 2033-45	59.2	1040
176	Killing activity of neutrophils is mediated through activation of proteases by K+ flux. *Nature*, **2002**, 416, 291-7	50.4	900
175	Activation of the NADPH oxidase involves the small GTP-binding protein p21rac1. *Nature*, **1991**, 353, 668-70	50.4	850
174	Impairment of mycobacterial immunity in human interleukin-12 receptor deficiency. *Science*, **1998**, 280, 1432-5	33.3	708
173	The biochemical basis of the NADPH oxidase of phagocytes. *Trends in Biochemical Sciences*, **1993**, 18, 43-7	10.3	540
172	The respiratory burst of phagocytic cells is associated with a rise in vacuolar pH. *Nature*, **1981**, 290, 406-9	50.4	375
171	Elemental diet as primary treatment of acute Crohn's disease: a controlled trial. *British Medical Journal*, **1984**, 288, 1859-62		354
170	Defective acute inflammation in Crohn's disease: a clinical investigation. *Lancet, The*, **2006**, 367, 668-78	40	343
169	The NADPH oxidase of professional phagocytes--prototype of the NOX electron transport chain systems. *Biochimica Et Biophysica Acta - Bioenergetics*, **2004**, 1657, 1-22	4.6	333
168	Cytochrome b-245 is a flavocytochrome containing FAD and the NADPH-binding site of the microbicidal oxidase of phagocytes. *Biochemical Journal*, **1992**, 284 (Pt 3), 781-8	3.8	319
167	Disordered macrophage cytokine secretion underlies impaired acute inflammation and bacterial clearance in Crohn's disease. *Journal of Experimental Medicine*, **2009**, 206, 1883-97	16.6	315
166	Impaired immunity and enhanced resistance to endotoxin in the absence of neutrophil elastase and cathepsin G. *Immunity*, **2000**, 12, 201-10	32.3	309
165	Absence of both cytochrome b-245 subunits from neutrophils in X-linked chronic granulomatous disease. *Nature*, **1987**, 326, 88-91	50.4	282
164	Novel cytochrome b system in phagocytic vacuoles of human granulocytes. *Nature*, **1978**, 276, 515-7	50.4	278
163	The X-linked chronic granulomatous disease gene codes for the beta-chain of cytochrome b-245. *Nature*, **1987**, 327, 720-1	50.4	254
162	Stimulated neutrophils from patients with autosomal recessive chronic granulomatous disease fail to phosphorylate a Mr-44,000 protein. *Nature*, **1985**, 316, 547-9	50.4	253

161	The electron transport chain of the microbicidal oxidase of phagocytic cells and its involvement in the molecular pathology of chronic granulomatous disease. *Journal of Clinical Investigation*, **1989**, 83, 1785-93	15.9	238
160	Inhibition of lipid peroxidation by the iron-binding protein lactoferrin. *Biochemical Journal*, **1981**, 199, 259-61	3.8	199
159	Inflammatory bowel disease in CGD reproduces the clinicopathological features of Crohn's disease. *American Journal of Gastroenterology*, **2009**, 104, 117-24	0.7	185
158	Chronic granulomatous disease. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **1994**, 1227, 1-24	6.9	176
157	Intramembrane bis-heme motif for transmembrane electron transport conserved in a yeast iron reductase and the human NADPH oxidase. *Journal of Biological Chemistry*, **1996**, 271, 31021-4	5.4	166
156	Functional variants in the gene confer shared effects on risk for Crohn's disease and Parkinson's disease. *Science Translational Medicine*, **2018**, 10,	17.5	165
155	The large-conductance Ca2+-activated K+ channel is essential for innate immunity. *Nature*, **2004**, 427, 853-8	50.4	161
154	Absence of a newly described cytochrome b from neutrophils of patients with chronic granulomatous disease. *Lancet, The*, **1978**, 2, 446-9	40	152
153	Neutrophil dysfunction in Crohn's disease. *Lancet, The*, **1976**, 2, 219-21	40	151
152	Protein kinase C-□contributes to NADPH oxidase activation in neutrophils. *Biochemical Journal*, **2000**, 347, 285-289	3.8	146
151	Production of the superoxide adduct of myeloperoxidase (compound III) by stimulated human neutrophils and its reactivity with hydrogen peroxide and chloride. *Biochemical Journal*, **1985**, 228, 583-92	3.8	146
150	Kinetics of fusion of the cytoplasmic granules with phagocytic vacuoles in human polymorphonuclear leukocytes. Biochemical and morphological studies. *Journal of Cell Biology*, **1980**, 85, 42-59	7.3	137
149	The production of hydroxyl and superoxide radicals by stimulated human neutrophils-measurements by EPR spectroscopy. *FEBS Letters*, **1979**, 100, 23-6	3.8	135
148	Lipid rafts determine efficiency of NADPH oxidase activation in neutrophils. *FEBS Letters*, **2003**, 550, 101-6	3.8	117
147	The subcellular distribution and some properties of the cytochrome b component of the microbicidal oxidase system of human neutrophils. *Biochemical Journal*, **1979**, 182, 181-8	3.8	116
146	A structural model for the nucleotide binding domains of the flavocytochrome b-245 beta-chain. *Protein Science*, **1993**, 2, 1675-85	6.3	114
145	Further evidence for the involvement of a phosphoprotein in the respiratory burst oxidase of human neutrophils. *Biochemical Journal*, **1986**, 239, 723-31	3.8	113
144	Indium-111-labelled leucocytes for localisation of abscesses. *Lancet, The*, **1976**, 2, 1056-8	40	112

143	Cytochrome b-245 of neutrophils is also present in human monocytes, macrophages and eosinophils. *Biochemical Journal*, **1981**, 196, 363-7	3.8	104
142	The NADPH oxidase and chronic granulomatous disease. *Trends in Molecular Medicine*, **1996**, 2, 129-35		102
141	Mice lacking neutrophil elastase are resistant to bleomycin-induced pulmonary fibrosis. *American Journal of Pathology*, **2007**, 170, 65-74	5.8	100
140	Perspectives: signal transduction. Signals to move cells. *Science*, **2000**, 287, 982-3, 985	33.3	100
139	Absence of cytochrome b reduction in stimulated neutrophils from both female and male patients with chronic granulomatous disease. *FEBS Letters*, **1980**, 110, 111-4	3.8	99
138	Nitroblue-tetrazolium tests. *Lancet, The*, **1974**, 2, 1248-52	40	99
137	The FRE1 ferric reductase of Saccharomyces cerevisiae is a cytochrome b similar to that of NADPH oxidase. *Journal of Biological Chemistry*, **1996**, 271, 14240-4	5.4	96
136	The association of FAD with the cytochrome b-245 of human neutrophils. *Biochemical Journal*, **1982**, 208, 759-63		93
135	The function of the NADPH oxidase of phagocytes and its relationship to other NOXs in plants, invertebrates, and mammals. *International Journal of Biochemistry and Cell Biology*, **2008**, 40, 604-18	5.6	92
134	Kinetics of oxygen consumption by phagocytosing human neutrophils. *Biochemical and Biophysical Research Communications*, **1978**, 84, 611-7	3.4	88
133	Interactions between cytosolic components of the NADPH oxidase: p40phox interacts with both p67phox and p47phox. *Biochemical Journal*, **1996**, 317 (Pt 3), 919-24	3.8	86
132	NADPH oxidase and the respiratory burst. *Seminars in Cell Biology*, **1995**, 6, 357-65		85
131	Reduction and subsequent oxidation of a cytochrome b of human neutrophils after stimulation with phorbol myristate acetate. *Biochemical and Biophysical Research Communications*, **1979**, 88, 130-4	3.4	83
130	Clinical features of Candidiasis in patients with inherited interleukin 12 receptor 1 deficiency. *Clinical Infectious Diseases*, **2014**, 58, 204-13	11.6	81
129	Reassessment of the microbicidal activity of reactive oxygen species and hypochlorous acid with reference to the phagocytic vacuole of the neutrophil granulocyte. *Journal of Medical Microbiology*, **2003**, 52, 643-651	3.2	81
128	Analysis of glycosylation sites on gp91phox, the flavocytochrome of the NADPH oxidase, by site-directed mutagenesis and translation in vitro. *Biochemical Journal*, **1997**, 321 (Pt 3), 583-5	3.8	80
127	The NADPH oxidase of phagocytic leukocytes. *Annals of the New York Academy of Sciences*, **1997**, 832, 215-22	6.5	78
126	The immunopathogenesis of Crohn's disease: a three-stage model. *Current Opinion in Immunology*, **2009**, 21, 506-13	7.8	74

125	Crohn's disease: an immune deficiency state. *Clinical Reviews in Allergy and Immunology*, **2010**, 38, 20-31	12.3	72
124	Ym1 is a neutrophil granule protein that crystallizes in p47phox-deficient mice. *Journal of Biological Chemistry*, **2002**, 277, 5468-75	5.4	71
123	Characterisation of the enzyme defect in chronic granulomatous disease. *Lancet, The*, **1976**, 1, 1363-5	40	71
122	Innate immunity in inflammatory bowel disease: a disease hypothesis. *Journal of Pathology*, **2008**, 214, 260-6	9.4	69
121	G6PC3 mutations are associated with a major defect of glycosylation: a novel mechanism for neutrophil dysfunction. *Glycobiology*, **2011**, 21, 914-24	5.8	68
120	The NADPH oxidase components p47(phox) and p40(phox) bind to moesin through their PX domain. *Biochemical and Biophysical Research Communications*, **2001**, 289, 382-8	3.4	66
119	The Human Salivary Microbiome Is Shaped by Shared Environment Rather than Genetics: Evidence from a Large Family of Closely Related Individuals. *MBio*, **2017**, 8,	7.8	64
118	Cryptic Rac-binding and p21(Cdc42Hs/Rac)-activated kinase phosphorylation sites of NADPH oxidase component p67(phox). *Journal of Biological Chemistry*, **1998**, 273, 15693-701	5.4	63
117	Activation of the neutrophil NADPH oxidase is inhibited by SB 203580, a specific inhibitor of SAPK2/p38. *Biochemical and Biophysical Research Communications*, **1999**, 259, 465-70	3.4	61
116	Alkalinity of neutrophil phagocytic vacuoles is modulated by HVCN1 and has consequences for myeloperoxidase activity. *PLoS ONE*, **2015**, 10, e0125906	3.7	60
115	Phosphorylation of the subunits of cytochrome b-245 upon triggering of the respiratory burst of human neutrophils and macrophages. *Biochemical Journal*, **1988**, 252, 901-4	3.8	57
114	NADPH oxidase. *International Journal of Biochemistry and Cell Biology*, **1996**, 28, 1191-5	5.6	53
113	Preliminary evidence for gut involvement in the pathogenesis of rheumatoid arthritis?. *Rheumatology*, **1986**, 25, 162-6	3.9	50
112	Impaired neutrophil chemotaxis in Crohn's disease relates to reduced production of chemokines and can be augmented by granulocyte-colony stimulating factor. *Alimentary Pharmacology and Therapeutics*, **2006**, 24, 651-60	6.1	48
111	Protein kinase C-□contributes to NADPH oxidase activation in neutrophils. *Biochemical Journal*, **2000**, 347, 285	3.8	48
110	Levamisole in the treatment of Crohn's disease. *Lancet, The*, **1977**, 2, 382-5	40	47
109	Catalase negative Staphylococcus aureus retain virulence in mouse model of chronic granulomatous disease. *FEBS Letters*, **2002**, 518, 107-10	3.8	46
108	Immunoelectron microscopy shows a clustered distribution of NADPH oxidase components in the human neutrophil plasma membrane. *Journal of Leukocyte Biology*, **1997**, 61, 303-12	6.5	44

107	Phagocyte dysfunction and inflammatory bowel disease. *Inflammatory Bowel Diseases*, **2008**, 14, 1443-52	4.5	44
106	Genetic Complexity of Crohn's Disease in Two Large Ashkenazi Jewish Families. *Gastroenterology*, **2016**, 151, 698-709	13.3	43
105	Insights into the genetic epidemiology of Crohn's and rare diseases in the Ashkenazi Jewish population. *PLoS Genetics*, **2018**, 14, e1007329	6	41
104	A rapid single centrifugation step method for the separation of erythrocytes, granulocytes and mononuclear cells on continuous density gradients of Percoll. *Journal of Immunological Methods*, **1980**, 32, 209-14	2.5	41
103	The management of chronic granulomatous disease. *European Journal of Pediatrics*, **1993**, 152, 896-9	4.1	40
102	A Frameshift in CSF2RB Predominant Among Ashkenazi Jews Increases Risk for Crohn's Disease and Reduces Monocyte Signaling via GM-CSF. *Gastroenterology*, **2016**, 151, 710-723.e2	13.3	40
101	Optineurin deficiency in mice contributes to impaired cytokine secretion and neutrophil recruitment in bacteria-driven colitis. *DMM Disease Models and Mechanisms*, **2015**, 8, 817-29	4.1	39
100	Disruption of macrophage pro-inflammatory cytokine release in Crohn's disease is associated with reduced optineurin expression in a subset of patients. *Immunology*, **2015**, 144, 45-55	7.8	39
99	Stoichiometry of the subunits of flavocytochrome b558 of the NADPH oxidase of phagocytes. *Biochemical Journal*, **1996**, 320 (Pt 1), 33-8	3.8	38
98	Rapid incorporation of the human neutrophil plasma membrane cytochrome b into phagocytic vacuoles. *Biochemical and Biophysical Research Communications*, **1980**, 92, 710-5	3.4	38
97	The major phosphorylation site of the NADPH oxidase component p67phox is Thr233. *Biochemical Journal*, **1999**, 338, 99-105	3.8	37
96	Lipidomic profiling in Crohn's disease: abnormalities in phosphatidylinositols, with preservation of ceramide, phosphatidylcholine and phosphatidylserine composition. *International Journal of Biochemistry and Cell Biology*, **2012**, 44, 1839-46	5.6	33
95	Iodination by stimulated human neutrophils. Studies on its stoichiometry, subcellular localization and relevance to microbial killing. *Biochemical Journal*, **1983**, 210, 215-25	3.8	33
94	Variations on the theme of chronic granulomatous disease. *Lancet, The*, **1985**, 1, 1378-83	40	33
93	N-Formyl peptide receptor subtypes in human neutrophils activate L-plastin phosphorylation through different signal transduction intermediates. *Biochemical Journal*, **2004**, 377, 469-77	3.8	32
92	The molecular and cellular pathology of chronic granulomatous disease. *European Journal of Clinical Investigation*, **1988**, 18, 433-43	4.6	32
91	Re-evaluation of nitroblue-tetrazolium test. *Lancet, The*, **1973**, 2, 879-83	40	32
90	Subproteome analysis of the neutrophil cytoskeleton. *Proteomics*, **2009**, 9, 2037-49	4.8	30

89	Studies of cyanide binding to myeloperoxidase by electron paramagnetic resonance and magnetic circular dichroism spectroscopies. *BBA - Proteins and Proteomics*, **1982**, 703, 187-195		30
88	Protein kinase C-delta C2-like domain is a binding site for actin and enables actin redistribution in neutrophils. *Biochemical Journal*, **2001**, 357, 39-47	3.8	29
87	Direct interaction between p47phox and protein kinase C: evidence for targeting of protein kinase C by p47phox in neutrophils. *Biochemical Journal*, **1999**, 344, 859	3.8	27
86	Production of superoxide by neutrophils: a reappraisal. *FEBS Letters*, **1979**, 100, 27-32	3.8	27
85	Defective tumor necrosis factor release from Crohn's disease macrophages in response to Toll-like receptor activation: relationship to phenotype and genome-wide association susceptibility loci. *Inflammatory Bowel Diseases*, **2012**, 18, 2120-7	4.5	25
84	Halothane does not inhibit human neutrophil function in vitro. *British Journal of Anaesthesia*, **1979**, 51, 1101-8	5.4	25
83	NADPH oxidases as electrochemical generators to produce ion fluxes and turgor in fungi, plants and humans. *Open Biology*, **2016**, 6,	7	24
82	The function of the NADPH oxidase of phagocytes, and its relationship to other NOXs. *Biochemical Society Transactions*, **2007**, 35, 1100-3	5.1	23
81	The bactericidal effects of the respiratory burst and the myeloperoxidase system isolated in neutrophil cytoplasts. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **1988**, 971, 266-74	4.9	23
80	Mucosal transcriptomics implicates under expression of BRINP3 in the pathogenesis of ulcerative colitis. *Inflammatory Bowel Diseases*, **2014**, 20, 1802-12	4.5	22
79	What is wrong with granulocytes in inflammatory bowel diseases?. *Digestive Diseases*, **2013**, 31, 321-7	3.2	22
78	Chronic granulomatous disease. *Clinical and Experimental Allergy*, **1991**, 21 Suppl 1, 195-8	4.1	22
77	Proteasomal degradation of NOD2 by NLRP12 in monocytes promotes bacterial tolerance and colonization by enteropathogens. *Nature Communications*, **2018**, 9, 5338	17.4	22
76	Critical Role of the Disintegrin Metalloprotease ADAM-like Decysin-1 [ADAMDEC1] for Intestinal Immunity and Inflammation. *Journal of Crohnls and Colitis*, **2016**, 10, 1417-1427	1.5	20
75	Delayed resolution of acute inflammation in ulcerative colitis is associated with elevated cytokine release downstream of TLR4. *PLoS ONE*, **2010**, 5, e9891	3.7	20
74	Phosphorylation of p67phox in the neutrophil occurs in the cytosol and is independent of p47phox. *FEBS Letters*, **1999**, 449, 225-9	3.8	20
73	Characterization of expression quantitative trait loci in the human colon. *Inflammatory Bowel Diseases*, **2015**, 21, 251-6	4.5	19
72	The NADPH Oxidase and Microbial Killing by Neutrophils, With a Particular Emphasis on the Proposed Antimicrobial Role of Myeloperoxidase within the Phagocytic Vacuole. *Microbiology Spectrum*, **2016**, 4,	8.9	19

71	Impaired macrophage function following bacterial stimulation in chronic granulomatous disease. *Immunology*, **2009**, 128, 253-9	7.8	19
70	The NADPH oxidase of phagocytic cells is an electron pump that alkalinises the phagocytic vacuole. *Protoplasma*, **1995**, 184, 86-103	3.4	19
69	Variations in the Phagosomal Environment of Human Neutrophils and Mononuclear Phagocyte Subsets. *Frontiers in Immunology*, **2019**, 10, 188	8.4	18
68	Phenotypic heterogeneity and evidence of a founder effect associated with G6PC3 mutations in patients with severe congenital neutropenia. *British Journal of Haematology*, **2012**, 158, 146-9	4.5	18
67	The neutrophil respiratory burst and bacterial digestion in Crohn's disease. *Digestive Diseases and Sciences*, **2011**, 56, 1482-8	4	18
66	The role of neutrophils in the pathogenesis of Crohn's disease. *European Journal of Clinical Investigation*, **2018**, 48 Suppl 2, e12983	4.6	18
65	Crohn's disease as an immunodeficiency. *Expert Review of Clinical Immunology*, **2010**, 6, 585-96	5.1	17
64	Diminished macrophage apoptosis and reactive oxygen species generation after phorbol ester stimulation in Crohn's disease. *PLoS ONE*, **2009**, 4, e7787	3.7	17
63	Evidence that neutrophil elastase-deficient mice are resistant to bleomycin-induced fibrosis. *Chest*, **2001**, 120, 35S-36S	5.3	17
62	Gene transfer to primary chronic granulomatous disease monocytes. *Lancet, The*, **1995**, 346, 92-3	40	17
61	The role of grancalcin in adhesion of neutrophils. *Cellular Immunology*, **2006**, 240, 116-21	4.4	16
60	PX domain takes shape. *Current Opinion in Hematology*, **2003**, 10, 2-7	3.3	16
59	Granulocyte function in grancalcin-deficient mice. *Molecular and Cellular Biology*, **2003**, 23, 826-30	4.8	16
58	Involvement of protein kinase D in Fc□receptor activation of the NADPH oxidase in neutrophils. *Biochemical Journal*, **2002**, 363, 95-103	3.8	16
57	Elastase in the different primary granules of the human neutrophil. *Biochemical and Biophysical Research Communications*, **1985**, 132, 1130-6	3.4	16
56	The antimicrobial role of the neutrophil leukocyte. *Journal of Infection*, **1981**, 3, 3-17	18.9	16
55	The action of cells from patients with chronic granulomatous disease on Staphylococcus aureus. *Journal of Medical Microbiology*, **1982**, 15, 441-9	3.2	16
54	Subcellular localisation of the p40phox component of NADPH oxidase involves direct interactions between the Phox homology domain and F-actin. *International Journal of Biochemistry and Cell Biology*, **2010**, 42, 1736-43	5.6	15

53	The electron transport chain of the microbicidal oxidase of phagocytic cells and its involvement in the molecular pathology of chronic granulomatous disease. *Biochemical Society Transactions*, **1989**, 17, 427-34	5.1	15
52	Incidence and prevalence of inflammatory bowel disease in UK primary care: a population-based cohort study. *BMJ Open*, **2020**, 10, e036584	3	15
51	Deficiency of p67phox, p47phox or gp91phox in chronic granulomatous disease does not impair leucocyte chemotaxis or motility. *British Journal of Haematology*, **1997**, 96, 543-50	4.5	14
50	Can unresolved infection precipitate autoimmune disease?. *Current Topics in Microbiology and Immunology*, **2006**, 305, 105-25	3.3	14
49	How Superoxide Production by Neutrophil Leukocytes Kills Microbes. *Novartis Foundation Symposium*,92-100		13
48	An exuberant inflammatory response to E coli: implications for the pathogenesis of ulcerative colitis and pyoderma gangrenosum. *Gut*, **2006**, 55, 1662-3	19.2	12
47	Characterization and partial purification of a novel neutrophil membrane-associated kinase capable of phosphorylating the respiratory burst component p47phox. *Biochemical Journal*, **1999**, 338, 359-366	3.8	12
46	How superoxide production by neutrophil leukocytes kills microbes. *Novartis Foundation Symposium*, **2006**, 279, 92-8; discussion 98-100, 216-9		12
45	An Exploration of Charge Compensating Ion Channels across the Phagocytic Vacuole of Neutrophils. *Frontiers in Pharmacology*, **2017**, 8, 94	5.6	11
44	Involvement of protein kinase D in Fc gamma-receptor activation of the NADPH oxidase in neutrophils. *Biochemical Journal*, **2002**, 363, 95-103	3.8	11
43	Neutrophil cytochrome b in chronic granulomatous disease. *Lancet, The*, **1979**, 1, 1036-7	40	11
42	Studies on patients establish Crohn's disease as a manifestation of impaired innate immunity. *Journal of Internal Medicine*, **2019**, 286, 373-388	10.8	10
41	CO binding and ligand discrimination in human myeloperoxidase. *Biochemistry*, **2010**, 49, 2150-8	3.2	10
40	NADPH oxidase is not essential for low density lipoprotein oxidation by human monocyte-derived macrophages. *Biochemical and Biophysical Research Communications*, **1994**, 202, 1300-7	3.4	10
39	Making sense of the cause of Crohn a new look at an old disease. *F1000Research*, **2016**, 5, 2510	3.6	10
38	The use of nitroblue tetrazolium prestaining of serum lipoproteins on polyacrylamide disc electrophoresis. *Clinica Chimica Acta*, **1974**, 53, 361-7	6.2	9
37	Making sense of the cause of Crohn's - a new look at an old disease. *F1000Research*, **2016**, 5, 2510	3.6	9
36	Modified skin window technique for the extended characterisation of acute inflammation in humans. *Inflammation Research*, **2007**, 56, 168-74	7.2	8

35	Unique human neutrophil populations are defined by monoclonal antibody ED12F8C10. *Cellular Immunology*, **1991**, 132, 102-14	4.4	8
34	The alpha subunit of cytochrome b-245 mapped to chromosome 16. *Genomics*, **1990**, 8, 568-70	4.3	8
33	Structure of the NADPH-oxidase: membrane components. *Immunodeficiency*, **1993**, 4, 167-79		8
32	Effects of microinjected small GTPases on the actin cytoskeleton of human neutrophils. *Journal of Anatomy*, **2003**, 203, 379-89	2.9	7
31	Reconstitution of GTPgammaS-induced NADPH oxidase activity in streptolysin-O-permeabilized neutrophils by specific cytosol fractions. *Biochemical and Biophysical Research Communications*, **1999**, 265, 29-37	3.4	7
30	Reconstitution of cell-free NADPH oxidase activity by purified components. *Methods in Enzymology*, **1995**, 256, 268-78	1.7	7
29	A New Look at Familial Risk of Inflammatory Bowel Disease in the Ashkenazi Jewish Population. *Digestive Diseases and Sciences*, **2018**, 63, 3049-3057	4	7
28	The LRRC8A Mediated "Swell Activated" Chloride Conductance Is Dispensable for Vacuolar Homeostasis in Neutrophils. *Frontiers in Pharmacology*, **2017**, 8, 262	5.6	6
27	The major phosphorylation site of the NADPH oxidase component p67phox is Thr233. *Biochemical Journal*, **1999**, 338, 99	3.8	6
26	The kinetic measurement of phagocyte function in whole blood. *Journal of Immunological Methods*, **1983**, 60, 125-40	2.5	6
25	Imaging the Neutrophil Phagosome and Cytoplasm Using a Ratiometric pH Indicator. *Journal of Visualized Experiments*, **2017**,	1.6	5
24	Disordered macrophage cytokine secretion underlies impaired acute inflammation and bacterial clearance in Crohn's disease. *Journal of Experimental Medicine*, **2009**, 206, 2301-2301	16.6	5
23	Components and organization of the nadph oxidase of phagocytic cells. *Advances in Cellular and Molecular Biology of Membranes and Organelles*, **1999**, 5, 441-483		5
22	Characterization and partial purification of a novel neutrophil membrane-associated kinase capable of phosphorylating the respiratory burst component p47phox. *Biochemical Journal*, **1999**, 338, 359	3.8	5
21	Nitroblue tetrazolium--a new lipoprotein stain. *Atherosclerosis*, **1973**, 18, 499-504	3.1	5
20	Combinatorial Conflicting Homozygosity (CCH) analysis enables the rapid identification of shared genomic regions in the presence of multiple phenocopies. *BMC Genomics*, **2015**, 16, 163	4.5	4
19	Shotgun cholanomics of ileal fluid. *Biochimie*, **2013**, 95, 461-3	4.6	4
18	Biochemistry and molecular biology of chronic granulomatous disease. *Journal of Inherited Metabolic Disease*, **1992**, 15, 683-6	5.4	4

List of Publications

17	Cytochrome b-245 and its involvement in the molecular pathology of chronic granulomatous disease. *Hematology/Oncology Clinics of North America*, **1988**, 2, 213-23	3.1	4
16	Two CGD Families with a Hypomorphic Mutation in the Activation Domain of p67. *Journal of Clinical & Cellular Immunology*, **2014**, 5,	2.7	4
15	Elevation in Cell Cycle and Protein Metabolism Gene Transcription in Inactive Colonic Tissue From Icelandic Patients With Ulcerative Colitis. *Inflammatory Bowel Diseases*, **2019**, 25, 317-327	4.5	4
14	Rare coding variant analysis in a large cohort of Ashkenazi Jewish families with inflammatory bowel disease. *Human Genetics*, **2018**, 137, 723-734	6.3	4
13	Separation of phosphoproteins by fast protein liquid chromatography. *Biomedical Applications*, **1990**, 527, 152-7		3
12	ZODET: software for the identification, analysis and visualisation of outlier genes in microarray expression data. *PLoS ONE*, **2014**, 9, e81123	3.7	3
11	Sequencing of over 100,000 individuals identifies multiple genes and rare variants associated with Crohns disease susceptibility		2
10	Genetic analysis of four consanguineous multiplex families with inflammatory bowel disease.. *Gastroenterology Report*, **2021**, 9, 521-532	3.3	2
9	Asymmetric signal transduction. *Science*, **2000**, 287, 983-983	33.3	1
8	Ulcerative colitis is characterized by amplified acute inflammation with delayed resolution		1
7	The human oral microbiome is shaped by shared environment rather than genetics: evidence from a large family of closely-related individuals		1
6	The NADPH Oxidase and Microbial Killing by Neutrophils, With a Particular Emphasis on the Proposed Antimicrobial Role of Myeloperoxidase within the Phagocytic Vacuole **2017**, 599-613		
5	Transforming Growth Factor-Activation is Diminished in Fibrosis-Resistant Neutrophil Elastase-Deficient Mice. *Clinical Science*, **2003**, 104, 58P-59P		
4	Chronic Granulomatous Disease **1998**, 565-567		
3	Components of the NADPH oxidase of phagocytic cells and their abnormality in the molecular pathology of Chronic Granulomatous Disease (CGD). *Clinical and Experimental Allergy*, **1993**, 23, 37-37	4.1	
2	The microbicidal oxidase of phagocytic cells and its involvement in the molecular pathology of chronic granulomatous disease. *Progress in Clinical and Biological Research*, **1988**, 282, 225-34		
1	Severe Early-Onset Inflammatory Bowel Disease Caused by IL10 Receptor Deficiency Can Be Cured by Allogeneic Hematopoietic Stem Cell Transplantation.. *Blood*, **2009**, 114, 713-713	2.2	