

Gerald Weissmann

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

87
papers

7,290
citations

45
h-index

85
g-index

92
ext. papers

7,534
ext. citations

10.8
avg, IF

5.05
L-index

#	Paper	IF	Citations
87	Release of inflammatory mediators from stimulated neutrophils. <i>New England Journal of Medicine</i> , 1980 , 303, 27-34	59.2	562
86	Mechanisms of lysosomal enzyme release from human leukocytes. II. Effects of cAMP and cGMP, autonomic agonists, and agents which affect microtubule function. <i>Journal of Clinical Investigation</i> , 1974 , 53, 297-309	15.9	478
85	The mechanisms of action of nonsteroidal antiinflammatory drugs. <i>Arthritis and Rheumatism</i> , 1989 , 32, 1-9		383
84	MECHANISMS OF LYSOSOMAL ENZYME RELEASE FROM LEUKOCYTES EXPOSED TO IMMUNE COMPLEXES AND OTHER PARTICLES. <i>Journal of Experimental Medicine</i> , 1971 , 134, 149-165	16.6	314
83	Effect of cyclic AMP on release of lysosomal enzymes from phagocytes. <i>Nature: New Biology</i> , 1971 , 231, 131-5		293
82	Studies on lysosomes. I. The effects of endotoxin, endotoxin tolerance, and cortisone on the release of acid hydrolases from a granular fraction of rabbit liver. <i>Journal of Experimental Medicine</i> , 1962 , 116, 433-50	16.6	288
81	Formation of leukotrienes and other hydroxy acids during platelet-neutrophil interactions in vitro. <i>Biochemical and Biophysical Research Communications</i> , 1982 , 109, 130-7	3.4	279
80	Tumor necrosis factor provokes superoxide anion generation from neutrophils. <i>Biochemical and Biophysical Research Communications</i> , 1986 , 137, 1094-100	3.4	256
79	Mechanisms of lysosomal enzyme release from human leukocytes. I. Effect of cyclic nucleotides and colchicine. <i>Journal of Cell Biology</i> , 1973 , 58, 27-41	7.3	225
78	Leukotriene B4 is a complete secretagogue in human neutrophils: a kinetic analysis. <i>Biochemical and Biophysical Research Communications</i> , 1982 , 107, 1006-12	3.4	219
77	Studies on lysosomes. XI. Characterization of a hydrolase-rich fraction from human lymphocytes. <i>Journal of Cell Biology</i> , 1968 , 37, 394-411	7.3	209
76	Pathogenesis of experimental shock. IV. Studies on lysosomes in normal and tolerant animals subjected to lethal trauma and endotoxemia. <i>Journal of Experimental Medicine</i> , 1962 , 116, 451-66	16.6	201
75	The adhesion molecules of inflammation. <i>Arthritis and Rheumatism</i> , 1993 , 36, 147-57		198
74	Effects of non-steroidal anti-inflammatory agents on human neutrophil functions in vitro and in vivo. <i>Biochemical Pharmacology</i> , 1984 , 33, 371-8	6	171
73	The roles of extracellular and intracellular calcium in lysosomal enzyme release and superoxide anion generation by human neutrophils. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1981 , 677, 512-20		165
72	Lysosomes and joint disease. <i>Arthritis and Rheumatism</i> , 1966 , 9, 834-40		148
71	Effects of indomethacin, 5,8,11,14-eicosatetraynoic acid, and p-bromophenacyl bromide on lysosomal enzyme release and superoxide anion generation by human polymorphonuclear leukocytes. <i>Biochemical Pharmacology</i> , 1980 , 29, 533-8	6	146

70	Calcium-induced lysozyme secretion from human polymorphonuclear leukocytes. <i>Biochemical and Biophysical Research Communications</i> , 1974 , 60, 807-12	3.4	144
69	Arthritis induced in rabbits by lysates of granulocyte lysosomes. <i>Arthritis and Rheumatism</i> , 1969 , 12, 103-16		126
68	Increased levels of plasma anaphylatoxins in systemic lupus erythematosus predict flares of the disease and may elicit vascular injury in lupus cerebritis. <i>Arthritis and Rheumatism</i> , 1988 , 31, 632-41		106
67	Breakdown of cartilage proteinopolysaccharide by lysosomes. <i>Arthritis and Rheumatism</i> , 1968 , 11, 162-9		100
66	Influence of corticosteroids on human polymorphonuclear leukocyte function in vitro : Reduction of lysosomal enzyme release and superoxide production. <i>Inflammation</i> , 1976 , 1, 305-15	5.1	97
65	Superoxide anion generation by human neutrophils exposed to monosodium urate. <i>Arthritis and Rheumatism</i> , 1982 , 25, 174-80		96
64	Molecular basis of gouty inflammation: interaction of monosodium urate crystals with lysosomes and liposomes. <i>Nature: New Biology</i> , 1972 , 240, 167-72		96
63	Female hormones reduce neutrophil responsiveness in vitro. <i>Arthritis and Rheumatism</i> , 1984 , 27, 623-30		95
62	STUDIES ON LYSOSOMES. III. THE EFFECTS OF STREPTOLYSINS O AND S ON THE RELEASE OF ACID HYDROLASES FROM A GRANULAR FRACTION OF RABBIT LIVER. <i>Journal of Experimental Medicine</i> , 1963 , 118, 205-22	16.6	90
61	Complement activation during systemic lupus erythematosus. C3a and C5a anaphylatoxins circulate during exacerbations of disease. <i>Arthritis and Rheumatism</i> , 1986 , 29, 1085-9		89
60	Suppression of acute and chronic inflammation in adrenalectomized rats by pharmacologic amounts of prostaglandins. <i>Arthritis and Rheumatism</i> , 1973 , 16, 606-18		88
59	Changes in phosphatidylinositol and phosphatidic acid in stimulated human neutrophils. Relationship to calcium mobilization, aggregation and superoxide radical generation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1983 , 762, 420-8	4.9	82
58	Effects of cholera enterotoxin on adenosine 3',5'-monophosphate and neutrophil function. Comparison with other compounds which stimulate leukocyte adenylyl cyclase. <i>Journal of Clinical Investigation</i> , 1973 , 52, 698-708	15.9	78
57	C-reactive protein in systemic lupus erythematosus. <i>Arthritis and Rheumatism</i> , 1977 , 20, 1065-70		73
56	Appearance of Hydrolase Rich Granules in Human Lymphocytes Induced by Phytohemagglutinin and Antigens. <i>Blood</i> , 1967 , 30, 84-102	2.2	71
55	Neutrophil aggregation induced by sera from patients with active systemic lupus erythematosus. <i>Arthritis and Rheumatism</i> , 1983 , 26, 630-6		64
54	Stimulus-response coupling in the human neutrophil. Transmembrane potential and the role of extracellular Na ⁺ . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1980 , 601, 180-94	3.8	64
53	Stimuli which provoke secretion of azurophil enzymes from human neutrophils induce increments in adenosine cyclic 3'-5'-monophosphate. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1981 , 672, 197-206	4	64

52	Yin/Yang modulation of lysosomal enzyme release from polymorphonuclear leukocytes by cyclic nucleotides. <i>Annals of the New York Academy of Sciences</i> , 1975 , 256, 222-32	6.5	63
51	STUDIES ON LYSOSOMES. V. THE EFFECTS OF STREPTOLYSINS AND OTHER HEMOLYTIC AGENTS ON ISOLATED LEUCOCYTE GRANULES. <i>Journal of Cell Biology</i> , 1964 , 22, 115-26	7.3	63
50	Effect of DMSO on the stabilization of lysosomes by cortisone and chloroquine in vitro. <i>Annals of the New York Academy of Sciences</i> , 1967 , 141, 326-32	6.5	62
49	The effect of various stimuli and calcium antagonists on the fluorescence response of chlorotetracycline-loaded human neutrophils. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1982 , 720, 172-80	4.9	59
48	Rheumatoid arthritis. The role of neutrophil activation. <i>Inflammation</i> , 1984 , 8 Suppl, S3-14	5.1	57
47	Potassium and amino acid transport in human leukocytes exposed to phagocytic stimuli. <i>Journal of Cell Biology</i> , 1974 , 63, 215-26	7.3	57
46	Prostaglandins, thromboxanes, and polymorphonuclear leukocytes: mediation and modulation of inflammation. <i>Inflammation</i> , 1977 , 2, 309-17	5.1	56
45	Mechanisms of lysosomal enzyme release from leukocytes. IV. Interaction of monosodium urate crystals with dogfish and human leukocytes. <i>Arthritis and Rheumatism</i> , 1975 , 18, 153-65		55
44	STUDIES ON LYSOSOMES. IV. SOLUBILIZATION OF ENZYMES DURING MITOCHONDRIAL SWELLING AND DISRUPTION OF LYSOSOMES BY STREPTOLYSIN S AND OTHER HEMOLYTIC AGENTS. <i>Journal of Cell Biology</i> , 1964 , 22, 101-13	7.3	46
43	Initial kinetics of lysosomal enzyme secretion and superoxide anion generation by human polymorphonuclear leukocytes. <i>Inflammation</i> , 1980 , 4, 145-63	5.1	45
42	Transmembrane calcium movements mediated by ionomycin and phosphatidate in liposomes with Fura 2 entrapped. <i>Biochemistry</i> , 1988 , 27, 5661-6	3.2	39
41	Analytical Review: Lysosomes. <i>Blood</i> , 1964 , 24, 594-606	2.2	39
40	Effect of Steroids and Triton X-100 on Glucose-Filled Phospholipid/cholesterol Structures. <i>Nature</i> , 1965 , 208, 649-651	50.4	37
39	Pathogenesis of rheumatoid arthritis. <i>Journal of Clinical Rheumatology</i> , 2004 , 10, S26-31	1.1	35
38	Neutrophils: release of mediators of inflammation with special reference to rheumatoid arthritis. <i>Annals of the New York Academy of Sciences</i> , 1982 , 389, 11-24	6.5	34
37	Dissociation by piroxicam of degranulation and superoxide anion generation from decrements in chlorotetracycline fluorescence of activated human neutrophils. <i>Biochemical and Biophysical Research Communications</i> , 1982 , 104, 247-53	3.4	33
36	Subcellular distribution of neutral protease and peptidases in rabbit polymorphonuclear leukocytes. <i>Nature</i> , 1970 , 228, 761-2	50.4	32
35	Adenosine modulates the generation of superoxide anion by stimulated human neutrophils via interaction with a specific cell surface receptor. <i>Annals of the New York Academy of Sciences</i> , 1985 , 451, 291-301	6.5	30

34	Steroids, aspirin, and inflammation. <i>Inflammation</i> , 1977 , 2, 295-307	5.1	27
33	LYMPHATIC TRANSPORT OF BETA-GLUCURONIDASE DURING HAEMORRHAGIC SHOCK. <i>Nature</i> , 1964 , 201, 1231-2	50.4	21
32	The pathogenesis of rheumatoid arthritis. <i>Bulletin of the NYU Hospital for Joint Diseases</i> , 2006 , 64, 12-5		21
31	Generation of C5-derived peptides and other immune reactants in the sera of patients with systemic lupus erythematosus. <i>Arthritis and Rheumatism</i> , 1984 , 27, 631-7		20
30	The role of neutrophils in vascular injury: a summary of signal transduction mechanisms in cell/cell interactions. <i>Seminars in Immunopathology</i> , 1989 , 11, 235-58		19
29	Stimulus-response coupling in neutrophils. <i>Trends in Pharmacological Sciences</i> , 1982 , 3, 483-485	13.2	19
28	Calcium dependent aggregation of marine sponge cells is provoked by leukotriene B4 and inhibited by inhibitors of arachidonic acid oxidation. <i>Biochemical and Biophysical Research Communications</i> , 1984 , 121, 863-70	3.4	16
27	Rheumatoid arthritis and systemic lupus erythematosus as immune complex diseases. <i>Bulletin of the NYU Hospital for Joint Diseases</i> , 2009 , 67, 251-3		16
26	Stimulus-response coupling in marine sponge cell aggregation: lipid metabolism and the function of exogenously added arachidonic and docosahexaenoic acids. <i>Lipids and Lipid Metabolism</i> , 1988 , 960, 351-64		15
25	Fate of antigen after intravenous and intraarticular injection into rabbits. <i>Arthritis and Rheumatism</i> , 1978 , 21, 918-29		14
24	Marine sponge aggregation: a model for effects of NSAIDs on the calcium movements of cell activation. <i>Seminars in Arthritis and Rheumatism</i> , 1985 , 15, 42-53	5.3	13
23	Metabolic requirements for maintenance of the chlortetracycline-labeled pool of membrane-bound calcium in human neutrophils. <i>Journal of Cellular Physiology</i> , 1983 , 117, 415-22	7	12
22	Death of leucocytes due to ingestion of heterologous lysosomes. <i>Nature</i> , 1967 , 214, 892-4	50.4	12
21	Non-prostaglandin effects of aspirin III and salicylate: inhibition of integrin-dependent human neutrophil aggregation and inflammation in COX 2- and NF kappa B (P105)-knockout mice. <i>Advances in Experimental Medicine and Biology</i> , 2002 , 507, 571-7	3.6	12
20	The kinetics of lysosomal degranulation of human neutrophils as measured by 9-aminoacridine quenching. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1983 , 762, 145-53	4.9	11
19	Rats, lice, and Zinsser. <i>Emerging Infectious Diseases</i> , 2005 , 11, 492-6	10.2	7
18	From Auden to arachidonate: a tribute and a hypothesis. <i>Cellular Immunology</i> , 1983 , 82, 117-26	4.4	7
17	STUDIES ON LYSOSOMES. <i>Journal of Experimental Medicine</i> , 1963 , 117, 1-1	16.6	7

16	Chapter 16 Alterations in Cyclic Nucleotides and the Activation of Neutrophils. <i>Current Topics in Membranes and Transport</i> , 1990 , 35, 399-424		6
15	Formation of leukotriene C4 by human leukocytes exposed to monosodium urate crystals. <i>FEBS Letters</i> , 1984 , 167, 109-12	3.8	5
14	Mechanisms of mediator release from neutrophils. <i>Advances in Experimental Medicine and Biology</i> , 1984 , 172, 527-52	3.6	4
13	Chapter 28 The Secretory Code of the Neutrophil. <i>Methods in Cell Biology</i> , 1981 , 461-481	1.8	3
12	The introduction is over. <i>Arthritis and Rheumatism</i> , 1983 , 26, 1297-302		1
11	Triggering and Activation of Human Neutrophils 1988 , 31-40		1
10	Introduction: The Snow of Yesteryear. <i>European Review</i> , 2019 , 27, 43-45	0.3	
9	Slighted Dallas. <i>Nature</i> , 1985 , 318, 308-308	50.4	
8	Intracellular Digestion: Lysosomes and Cellular Injury 1977 , 603-613		
7	Slightly off center. <i>Arthritis and Rheumatism</i> , 1978 , 21, 277-278		
6	STUDIES ON LYSOSOMES. <i>Journal of Experimental Medicine</i> , 1963 , 117, 1-1	16.6	
5	Summa cum Laude: Richard Dawkin's Brief Candle in the Dark. <i>FASEB Journal</i> , 2016 , 30, 489-490	0.9	
4	Lewis Thomas (1913-1993). The element of style. <i>The Pharos of Alpha Omega Alpha-honor Medical Society Alpha Omega Alpha</i> , 2003 , 66, 4-10		
3	Galileo's gout. <i>The Pharos of Alpha Omega Alpha-honor Medical Society Alpha Omega Alpha</i> , 2004 , 67, 4-7		
2	The mother of us all. <i>The Pharos of Alpha Omega Alpha-honor Medical Society Alpha Omega Alpha</i> , 2005 , 68, 14-20		
1	Intelligent design and the age of endarkenment. <i>The Pharos of Alpha Omega Alpha-honor Medical Society Alpha Omega Alpha</i> , 2006 , 69, 4-8		