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List of Publications by Year
in descending order

99 papers	7,496 citations	94433 37 h-index	51608 86 g-index
101 all docs	101 docs citations	101 times ranked	4700 citing authors

#	Article	IF	Citations
1	A simple colorimetric method for the measurement of hydrogen peroxide produced by cells in culture. Journal of Immunological Methods, 1980, 38, 161-170.	1.4	1,107
2	Rapid microassays for the measurement of superoxide and hydrogen peroxide production by macrophages in culture using an automatic enzyme immunoassay reader. Journal of Immunological Methods, 1981, 46, 211-226.	1.4	1,063
3	Activation of the NADPH oxidase involves the small GTP-binding protein p21rac1. Nature, 1991, 353, 668-670.	27.8	940
4	Superoxide anion and hydrogen peroxide production by chemically elicited peritoneal macrophagesâ€"Induction by multiple nonphagocytic stimuli. Cellular Immunology, 1981, 59, 301-318.	3.0	452
5	Unsaturated fatty acids stimulate NADPH-dependent superoxide production by cell-free system derived from macrophages. Cellular Immunology, 1984, 88, 213-221.	3.0	362
6	[24] Microassays for superoxide and hydrogen peroxide production and nitroblue tetrazolium reduction using an enzyme immunoassay microplate reader. Methods in Enzymology, 1986, 132, 407-421.	1.0	204
7	Glucosylation and ADP Ribosylation of Rho Proteins:Â Effects on Nucleotide Binding, GTPase Activity, and Effector Couplingâ€. Biochemistry, 1998, 37, 5296-5304.	2.5	201
8	Inhibition of NADPH Oxidase Activation by 4-(2-Aminoethyl)-benzenesulfonyl Fluoride and Related Compounds. Journal of Biological Chemistry, 1997, 272, 13292-13301.	3.4	181
9	Unsaturated fatty acids as second messengers of superoxide generation by macrophages. Cellular Immunology, 1983, 79, 240-252.	3.0	156
10	Gene expression changes by amyloid Î² peptide-stimulated human postmortem brain microglia identify activation of multiple inflammatory processes. Journal of Leukocyte Biology, 2005, 79, 596-610.	3.3	150
11	The Cytosolic Component p47 Is Not a Sine Qua Non Participant in the Activation of NADPH Oxidase but Is Required for Optimal Superoxide Production. Journal of Biological Chemistry, 1996, 271, 30326-30329.	3.4	144
12	Dual Role of Rac in the Assembly of NADPH Oxidase, Tethering to the Membrane and Activation of p67. Journal of Biological Chemistry, 2004, 279, 16007-16016.	3.4	123
13	Targeting of Rac1 to the Phagocyte Membrane Is Sufficient for the Induction of NADPH Oxidase Assembly. Journal of Biological Chemistry, 2000, 275, 40073-40081.	3.4	121
14	Interaction between â€œsensitized lymphocytesâ€•and antigen in vitro. Cellular Immunology, 1970, 1, 92-109.	3.0	98
15	Generation of Superoxide by purified and relipidated cytochromeb559in the absence of cytosolic activators. FEBS Letters, 1993, 327, 57-62.	2.8	96
16	Role of the Rho GTPase Rac in the activation of the phagocyte NADPH oxidase. Small GTPases, 2014, 5, e27952.	1.6	88
17	Mechanism of NADPH Oxidase Activation by the Rac/Rho-GDI Complexâ€. Biochemistry, 2001, 40, 10014-10022.	2.5	82
18	G6PC3 mutations are associated with a major defect of glycosylation: a novel mechanism for neutrophil dysfunction. Glycobiology, 2011, 21, 914-924.	2.5	78

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19	Mapping of Functional Domains in the p22 Subunit of Flavocytochrome b 559 Participating in the Assembly of the NADPH Oxidase Complex by â€œPeptide Walkingâ€. Journal of Biological Chemistry, 2002, 277, 8421-8432.	3.4	76
20	A Prenylated p67 -Rac1 Chimera Elicits NADPH-dependent Superoxide Production by Phagocyte Membranes in the Absence of an Activator and of p47. Journal of Biological Chemistry, 2002, 277, 18605-18610.	3.4	67
21	Superoxide production by cytochromeb559. FEBS Letters, 1994, 338, 285-289.	2.8	64
22	Activation of the Superoxide-Generating NADPH Oxidase by Chimeric Proteins Consisting of Segments of the Cytosolic Component p67phoxand the Small GTPase Rac1â€. Biochemistry, 2001, 40, 14557-14566.	2.5	62
23	Cyclic AMP affects Macrophage Migration. Nature: New Biology, 1972, 238, 176-177.	4.5	61
24	" Peptide Walking" Is a Novel Method for Mapping Functional Domains in Proteins. Journal of Biological Chemistry, 1995, 270, 29079-29082.	3.4	60
25	Mutational Analysis of Novel Effector Domains in Rac1 Involved in the Activation of Nicotinamide Adenine Dinucleotide Phosphate (Reduced) Oxidaseâ€. Biochemistry, 1998, 37, 7147-7156.	2.5	60
26	Assembly of the phagocyte NADPH oxidase complex: chimeric constructs derived from the cytosolic components as tools for exploring structure-function relationships. Journal of Leukocyte Biology, 2006, 79, 881-895.	3.3	59
27	Electron transfer in the superoxide-generating NADPH oxidase complex reconstituted in vitro. Biochimica Et Biophysica Acta - Bioenergetics, 1997, 1319, 139-146.	1.0	53
28	Rational Design of Small Molecule Inhibitors Targeting the Rac GTPase-p67 Signaling Axis in Inflammation. Chemistry and Biology, 2012, 19, 228-242.	6.0	53
29	Release of Skin Reactive Factor from Guinea-pig Lymphocytes by Mitogens. Nature, 1970, 225, 236-238.	27.8	51
30	Activation of the Phagocyte NADPH Oxidase by Rac Guanine Nucleotide Exchange Factors in Conjunction with ATP and Nucleoside Diphosphate Kinase. Journal of Biological Chemistry, 2005, 280, 3802-3811.	3.4	51
31	Role of the rac1 p21-GDP-dissociation inhibitor for rho heterodimer in the activation of the superoxide-forming NADPH oxidase of macrophages. FEBS Journal, 1993, 217, 441-455.	0.2	48
32	Mapping of Functional Domains in p47 Involved in the Activation of NADPH Oxidase by â€œPeptide Walkingâ€. Journal of Biological Chemistry, 1998, 273, 15435-15444.	3.4	46
33	Opening the black box: Lessons from cell-free systems on the phagocyte NADPH-oxidase. Biochimie, 2007, 89, 1123-1132.	2.6	43
34	The mechanism of action of soluble lymphocytic mediators. Cellular Immunology, 1974, 11, 30-46.	3.0	42
35	Dissociation of Rac1(GDP)Â·RhoGDI Complexes by the Cooperative Action of Anionic Liposomes Containing Phosphatidylinositol 3,4,5-Trisphosphate, Rac Guanine Nucleotide Exchange Factor, and GTP. Journal of Biological Chemistry, 2008, 283, 22257-22271.	3.4	42
36	Blocking of Macrophage Migration Inhibitory Factor Action by Microtubular Disruptive Drugs. International Archives of Allergy and Immunology, 1973, 44, 215-220.	2.1	38

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37	Interaction Between â€˜Sensitized Lymphocytesâ€™ and Antigen <i>in vitro</i>. International Archives of Allergy and Immunology, 1972, 42, 50-68.	2.1	37
38	A Prenylated p47 -p67 -Rac1 Chimera Is a Quintessential NADPH Oxidase Activator. Journal of Biological Chemistry, 2010, 285, 25485-25499.	3.4	36
39	Macrophage-derived superoxide-generating NADPH oxidase in an amphiphile-activated, cell-free system; partial purification of the cytosolic component and evidence that it may contain the NADPH binding site. BBA - Proteins and Proteomics, 1988, 952, 213-219.	2.1	35
40	Liposomes Comprising Anionic but Not Neutral Phospholipids Cause Dissociation of Rac(1 or 2)Â·RhoGDI Complexes and Support Amphiphile-independent NADPH Oxidase Activation by Such Complexes. Journal of Biological Chemistry, 2006, 281, 19204-19219.	3.4	34
41	Tripartite Chimeras Comprising Functional Domains Derived from the Cytosolic NADPH Oxidase Components p47 , p67 , and Rac1 Elicit Activator-independent Superoxide Production by Phagocyte Membranes. Journal of Biological Chemistry, 2007, 282, 22122-22139.	3.4	32
42	Cell-Free Assays. Methods in Molecular Biology, 2007, 412, 385-428.	0.9	30
43	Strategies for identifying synthetic peptides to act as inhibitors of NADPH oxidases, or â€œAll that you did and did not want to know about Nox inhibitory peptidesâ€ Cellular and Molecular Life Sciences, 2012, 69, 2283-2305.	5.4	28
44	The mechanism of action of soluble lymphocyte mediators. Cellular Immunology, 1977, 32, 329-339.	3.0	26
45	Cyclic GMP metabolism in macrophages. Cellular Immunology, 1980, 52, 73-83.	3.0	25
46	Activation of the Superoxide-Generating NADPH Oxidase of Macrophages by Sodium Dodecyl Sulfate in a Soluble Cell-Free System: Evidence for Involvement of a G Protein. Journal of Leukocyte Biology, 1990, 48, 107-115.	3.3	25
47	The Guanine Nucleotide Exchange Factor Trio Activates the Phagocyte NADPH Oxidase in the Absence of GDP to GTP Exchange on Rac. Journal of Biological Chemistry, 2003, 278, 4854-4861.	3.4	25
48	Cell-Free NADPH Oxidase Activation Assays: â€œIn Vitro Veritasâ€ Methods in Molecular Biology, 2014, 1124, 339-403.	0.9	25
49	HETEROGENEITY OF ANTIBODY-FORMING CELLS. Journal of Experimental Medicine, 1969, 129, 1029-1044.	8.5	24
50	Nucleotide binding properties of cytosolic components required for expression of activity of the superoxide generating NADPH oxidase. BBA - Proteins and Proteomics, 1990, 1037, 405-412.	2.1	24
51	Enhancement of macrophage adenylate cyclase by microtubule disrupting drugs. Immunopharmacology, 1978, 1, 71-82.	2.0	23
52	Macrophage-mediated cytolysis of erythrocytes in the guinea pig. Cellular Immunology, 1981, 62, 172-185.	3.0	22
53	Cytoskeletal control of concanavalin A receptor mobility in peritoneal macrophages. Experimental Cell Research, 1979, 118, 151-158.	2.6	21
54	Two pathways of activation of the superoxide-generating NADPH oxidase of phagocytes in vitro--distinctive effects of inhibitors. Inflammation, 2003, 27, 147-159.	3.8	21

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55	Role of transmethylation in the elicitation of an oxidative burst in macrophages. Cellular Immunology, 1982, 72, 277-285.	3.0	20
56	Inhibition of NADPH oxidase activation by peptides mapping within the dehydrogenase region of Nox2-A â€œpeptide walkingâ€•study. Journal of Leukocyte Biology, 2011, 91, 501-515.	3.3	20
57	The dehydrogenase region of the NADPH oxidase component Nox2 acts as a protein disulfide isomerase (PDI) resembling PDIA3 with a role in the binding of the activator protein p67phox. Frontiers in Chemistry, 2015, 3, 3.	3.6	20
58	The mechanism of action of soluble lymphocyte mediators. Cellular Immunology, 1977, 32, 340-349.	3.0	19
59	INTRACELLULAR MEDIATION OF LYMPHOKINE ACTION: MIMICRY OF MIGRATION INHIBITORY FACTOR (MIF) ACTION BY PHORBOL MYRISTATE ACETATE (PMA) AND THE IONOPHORE A23187. Annals of the New York Academy of Sciences, 1979, 332, 378-394.	3.8	19
60	Epitope identification for human neutrophil flavocytochrome b monoclonals 48 and 449. European Journal of Haematology, 2000, 65, 407-413.	2.2	19
61	A simple method for the production of migration inhibitory factor by concanavalin A-stimulated lymphocytes. Journal of Immunological Methods, 1977, 14, 141-146.	1.4	18
62	The Mechanism of Action of Soluble Lymphocyte Mediators. International Archives of Allergy and Immunology, 1979, 58, 149-159.	2.1	18
63	A Cys-Gly-Cys triad in the dehydrogenase region of Nox2 plays a key role in the interaction with p67<i>phox</i>. Journal of Leukocyte Biology, 2015, 98, 859-874.	3.3	17
64	Cell-Free NADPH Oxidase Activation Assays: A Triumph of Reductionism. Methods in Molecular Biology, 2020, 2087, 325-411.	0.9	17
65	Turning off NADPH oxidase-2 by impeding p67phox activation in infected mouse macrophages reduced viral entry and inflammation. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 1263-1275.	2.4	16
66	Activation of macrophage adenylate cyclase by stimulants of the oxidative burst and by arachidonic acidâ€"Two distinct mechanisms. Cellular Immunology, 1981, 61, 90-103.	3.0	14
67	Facilitation of adenylate cyclase stimulation in macrophages by lectins. Cellular Immunology, 1979, 45, 415-427.	3.0	13
68	Characterization of Surface Structure and p47phox SH3 Domain-Mediated Conformational Changes for Human Neutrophil Flavocytochrome b. Biochemistry, 2007, 46, 14291-14304.	2.5	12
69	Lymphokines: Physiologic Control and Pharmacological Modulation of Their Production and Action. , 1977, , 163-202.		12
70	The Mechanism of Action of Macrophage Migration Inhibitory Factor (MIF). International Archives of Allergy and Immunology, 1973, 45, 295-298.	2.1	11
71	Binding of p67phoxto Nox2 is stabilized by disulfide bonds between cysteines in the369Cys-Gly-Cys371triad in Nox2 and in p67phox. Journal of Leukocyte Biology, 2018, 104, 1023-1039.	3.3	9
72	Antigen and Mitogen Induced Production of Macrophage Migration Inhibitory Factor in the Mouse. International Archives of Allergy and Immunology, 1979, 60, 29-43.	2.1	7

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73	Vitamin A-induced Rejection of Autografts and Homografts. Nature, 1965, 205, 1022-1022.	27.8	6
74	Participation of immunoglobulin-bearing lymphocytes in the production of macrophage migration inhibitory factor. European Journal of Immunology, 1975, 5, 584-587.	2.9	6
75	Does migration inhibitory factor (MIF) act by promoting tubulin polymerization?. Cellular Immunology, 1976, 27, 339.	3.0	6
76	Nonlymphoid cells interacted with mitogens fail to elaborate macrophage migration inhibitory factor (MIF). Cellular Immunology, 1978, 36, 210-219.	3.0	6
77	Editorial: When charge is in chargeâ€"â€œMillikanâ€•for leukocyte biologists. Journal of Leukocyte Biology, 2010, 87, 537-540.	3.3	6
78	p67<i>phox</i> binds to a newly identified site in Nox2 following the disengagement of an intramolecular bondâ€"Canaan sighted?. Journal of Leukocyte Biology, 2020, 107, 509-528.	3.3	6
79	The molecular basis of Racâ€¢GTP actionâ€"promoting binding of p67 phox to Nox2 by disengaging the Î² hairpin from downstream residues. Journal of Leukocyte Biology, 2021, 110, 219-237.	3.3	6
80	Passive Agglutination Tests: Bismuth Tannate Test. Nature, 1963, 197, 157-158.	27.8	5
81	Characterization of Ca2+-activated phospholipid-dependent protein kinase C / protein kinase m in guinea pig peritoneal exudate macrophages. Biochemical and Biophysical Research Communications, 1986, 141, 605-613.	2.1	5
82	Using Synthetic Peptides for Exploring Protein-Protein Interactions in the Assembly of the NADPH Oxidase Complex. Methods in Molecular Biology, 2019, 1982, 377-415.	0.9	5
83	Extrinsic Regulation of Macrophage Function by Lymphokines â€" Effect of Lymphokines on the Stimulated Oxidative Metabolism of Macrophages. Advances in Experimental Medicine and Biology, 1982, 155, 471-485.	1.6	5
84	Mechanism of Action of Migration Inhibitory Lymphokines. , 1979, , 59-119.		5
85	Localization of lymphocytes producing macrophage migration inhibitory factor in albumin density gradients. European Journal of Immunology, 1973, 3, 317-319.	2.9	4
86	The mechanism of action of lymphokines VII. Modulation of the action of macrophage migration inhibitory factor by antioxidants and drugs affecting thromboxane synthesis. Immunopharmacology, 1983, 6, 215-229.	2.0	4
87	Molecular mechanisms in lymphokine-induced macrophage activationâ€"Enhanced production of oxygen radicals. Clinical Immunology Newsletter, 1985, 6, 145-149.	0.1	4
88	Absolute and Relative Activity Values in Assessing the Effect of NADPH Oxidase Inhibitors. Antioxidants and Redox Signaling, 2015, 23, 1250-1251.	5.4	4
89	Two CGD Families with a Hypomorphic Mutation in the Activation Domain of p67. Journal of Clinical & Cellular Immunology, 2014, 5, .	1.5	4
90	Medical luminaries. Nature, 2001, 411, 885-885.	27.8	3

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91	p67 phox â€derived selfâ€assembled peptides prevent Nox2 NADPH oxidase activation by an autoâ€inhibitory mechanism. Journal of Leukocyte Biology, 2021, 109, 657-673.	3.3	3
92	New approaches to the characterization and isolation of migration inhibitory factor (MIF). Cellular Immunology, 1976, 27, 353-354.	3.0	2
93	Macrophage Microtubules: An Optimized Method for the Assay of Tubulin Concentration and State of Polymerization in Macrophages. Journal of Leukocyte Biology, 1984, 35, 303-316.	3.3	2
94	Science is universal, not part of any religion. Nature, 2001, 414, 249-249.	27.8	2
95	Fibrin-clot Formation by Extracts of Rabbit-skin Homografts. Nature, 1964, 202, 504-505.	27.8	1
96	Bridging the Divide or Deepening It?. Science, 2006, 313, 169c-170c.	12.6	0
97	Biochemistry of Lymphokine Action on Macrophages. , 1984, , 335-346.		0
98	Molecular Mechanisms in Lymphokine-Induced Macrophage Activation-Enhanced Production of Oxygen Radicals. , 1986, , 339-351.		0
99	Biochemical Mechanisms of Macrophage Activation by Lymphokines. , 1983, , 483-487.		0