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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	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
2	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
3	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
4	Cell-Free NADPH Oxidase Activation Assays: A Triumph of Reductionism. Methods in Molecular Biology, 2020, 2087, 325-411.	0.9	17
5	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
6	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
7	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
8	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
9	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
10	Absolute and Relative Activity Values in Assessing the Effect of NADPH Oxidase Inhibitors. Antioxidants and Redox Signaling, 2015, 23, 1250-1251.	5.4	4
11	Role of the Rho GTPase Rac in the activation of the phagocyte NADPH oxidase. Small GTPases, 2014, 5, e27952.	1.6	88
12	Cell-Free NADPH Oxidase Activation Assays: â€œIn Vitro Veritasâ€. Methods in Molecular Biology, 2014, 1124, 339-403.	0.9	25
13	Two CGD Families with a Hypomorphic Mutation in the Activation Domain of p67. Journal of Clinical & Cellular Immunology, 2014, 5, .	1.5	4
14	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
15	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
16	G6PC3 mutations are associated with a major defect of glycosylation: a novel mechanism for neutrophil dysfunction. Glycobiology, 2011, 21, 914-924.	2.5	78
17	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
18	Editorial: When charge is in chargeâ€"â€œMillikanâ€for leukocyte biologists. Journal of Leukocyte Biology, 2010, 87, 537-540.	3.3	6

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19	A Prenylated p47 -p67 -Rac1 Chimera Is a Quintessential NADPH Oxidase Activator. Journal of Biological Chemistry, 2010, 285, 25485-25499.	3.4	36
20	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
21	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
22	Opening the black box: Lessons from cell-free systems on the phagocyte NADPH-oxidase. Biochimie, 2007, 89, 1123-1132.	2.6	43
23	Characterization of Surface Structure and p47phox SH3 Domain-Mediated Conformational Changes for Human Neutrophil Flavocytochrome b. Biochemistry, 2007, 46, 14291-14304.	2.5	12
24	Cell-Free Assays. Methods in Molecular Biology, 2007, 412, 385-428.	0.9	30
25	Bridging the Divide or Deepening It?. Science, 2006, 313, 169c-170c.	12.6	0
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	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
28	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
29	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
30	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
31	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
32	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
33	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
34	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
35	Mechanism of NADPH Oxidase Activation by the Rac/Rho-GDI Complexâ€. Biochemistry, 2001, 40, 10014-10022.	2.5	82
36	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

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37	Medical luminaries. Nature, 2001, 411, 885-885.	27.8	3
38	Science is universal, not part of any religion. Nature, 2001, 414, 249-249.	27.8	2
39	Epitope identification for human neutrophil flavocytochrome b monoclonals 48 and 449. European Journal of Haematology, 2000, 65, 407-413.	2.2	19
40	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
41	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
42	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
43	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
44	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
45	Electron transfer in the superoxide-generating NADPH oxidase complex reconstituted in vitro. Biochimica Et Biophysica Acta - Bioenergetics, 1997, 1319, 139-146.	1.0	53
46	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
47	" Peptide Walking" Is a Novel Method for Mapping Functional Domains in Proteins. Journal of Biological Chemistry, 1995, 270, 29079-29082.	3.4	60
48	Superoxide production by cytochromeb559. FEBS Letters, 1994, 338, 285-289.	2.8	64
49	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
50	Generation of Superoxide by purified and relipidated cytochromeb559in the absence of cytosolic activators. FEBS Letters, 1993, 327, 57-62.	2.8	96
51	Activation of the NADPH oxidase involves the small GTP-binding protein p21rac1. Nature, 1991, 353, 668-670.	27.8	940
52	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
53	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
54	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

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55	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
56	[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
57	Molecular Mechanisms in Lymphokine-Induced Macrophage Activation-Enhanced Production of Oxygen Radicals. , 1986, , 339-351.		0
58	Molecular mechanisms in lymphokine-induced macrophage activationâ€"Enhanced production of oxygen radicals. Clinical Immunology Newsletter, 1985, 6, 145-149.	0.1	4
59	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
60	Unsaturated fatty acids stimulate NADPH-dependent superoxide production by cell-free system derived from macrophages. Cellular Immunology, 1984, 88, 213-221.	3.0	362
61	Biochemistry of Lymphokine Action on Macrophages. , 1984, , 335-346.		0
62	Unsaturated fatty acids as second messengers of superoxide generation by macrophages. Cellular Immunology, 1983, 79, 240-252.	3.0	156
63	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
64	Biochemical Mechanisms of Macrophage Activation by Lymphokines. , 1983, , 483-487.		0
65	Role of transmethylation in the elicitation of an oxidative burst in macrophages. Cellular Immunology, 1982, 72, 277-285.	3.0	20
66	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
67	Macrophage-mediated cytolysis of erythrocytes in the guinea pig. Cellular Immunology, 1981, 62, 172-185.	3.0	22
68	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
69	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
70	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
71	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
72	Cyclic GMP metabolism in macrophages. Cellular Immunology, 1980, 52, 73-83.	3.0	25

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73	The Mechanism of Action of Soluble Lymphocyte Mediators. International Archives of Allergy and Immunology, 1979, 58, 149-159.	2.1	18
74	Facilitation of adenylate cyclase stimulation in macrophages by lectins. Cellular Immunology, 1979, 45, 415-427.	3.0	13
75	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
76	Cytoskeletal control of concanavalin A receptor mobility in peritoneal macrophages. Experimental Cell Research, 1979, 118, 151-158.	2.6	21
77	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
78	Mechanism of Action of Migration Inhibitory Lymphokines. , 1979, , 59-119.		5
79	Enhancement of macrophage adenylate cyclase by microtubule disrupting drugs. Immunopharmacology, 1978, 1, 71-82.	2.0	23
80	Nonlymphoid cells interacted with mitogens fail to elaborate macrophage migration inhibitory factor (MIF). Cellular Immunology, 1978, 36, 210-219.	3.0	6
81	The mechanism of action of soluble lymphocyte mediators. Cellular Immunology, 1977, 32, 329-339.	3.0	26
82	The mechanism of action of soluble lymphocyte mediators. Cellular Immunology, 1977, 32, 340-349.	3.0	19
83	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
84	Lymphokines: Physiologic Control and Pharmacological Modulation of Their Production and Action. , 1977, , 163-202.		12
85	Does migration inhibitory factor (MIF) act by promoting tubulin polymerization?. Cellular Immunology, 1976, 27, 339.	3.0	6
86	New approaches to the characterization and isolation of migration inhibitory factor (MIF). Cellular Immunology, 1976, 27, 353-354.	3.0	2
87	Participation of immunoglobulin-bearing lymphocytes in the production of macrophage migration inhibitory factor. European Journal of Immunology, 1975, 5, 584-587.	2.9	6
88	The mechanism of action of soluble lymphocytic mediators. Cellular Immunology, 1974, 11, 30-46.	3.0	42
89	Localization of lymphocytes producing macrophage migration inhibitory factor in albumin density gradients. European Journal of Immunology, 1973, 3, 317-319.	2.9	4
90	The Mechanism of Action of Macrophage Migration Inhibitory Factor (MIF). International Archives of Allergy and Immunology, 1973, 45, 295-298.	2.1	11

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91	Blocking of Macrophage Migration Inhibitory Factor Action by Microtubular Disruptive Drugs. International Archives of Allergy and Immunology, 1973, 44, 215-220.	2.1	38
92	Cyclic AMP affects Macrophage Migration. Nature: New Biology, 1972, 238, 176-177.	4.5	61
93	Interaction Between â€˜Sensitized Lymphocytesâ€™ and Antigen <i>in vitro</i>. International Archives of Allergy and Immunology, 1972, 42, 50-68.	2.1	37
94	Release of Skin Reactive Factor from Guinea-pig Lymphocytes by Mitogens. Nature, 1970, 225, 236-238.	27.8	51
95	Interaction between â€œsensitized lymphocytesâ€•and antigen in vitro. Cellular Immunology, 1970, 1, 92-109.	3.0	98
96	HETEROGENEITY OF ANTIBODY-FORMING CELLS. Journal of Experimental Medicine, 1969, 129, 1029-1044.	8.5	24
97	Vitamin A-induced Rejection of Autografts and Homografts. Nature, 1965, 205, 1022-1022.	27.8	6
98	Fibrin-clot Formation by Extracts of Rabbit-skin Homografts. Nature, 1964, 202, 504-505.	27.8	1
99	Passive Agglutination Tests: Bismuth Tannate Test. Nature, 1963, 197, 157-158.	27.8	5