Robert C Allen

List of Publications by Year
in descending order

46	3,089	394421	395702
papers	citations	19 h-index	33 g-index

47	47	47	935
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evidence for the generation of an electronic excitation state(s) in human polymorphonuclear leukocytes and its participation in bactericidal activity. Biochemical and Biophysical Research Communications, 1972, 47, 679-684.	2.1	1,039
2	Phagocytic activation of a luminol-dependent chemiluminescence in rabbit alveolar and peritoneal macrophages. Biochemical and Biophysical Research Communications, 1976, 69, 245-252.	2.1	622
3	[36] Phagocytic leukocyte oxygenation activities and chemiluminescence: A kinetic approach to analysis. Methods in Enzymology, 1986, 133, 449-493.	1.0	381
4	The superoxide anion and singlet molecular oxygen: Their role in the microbicidal activity of the polymorphonuclear leukocyte. Biochemical and Biophysical Research Communications, 1974, 60, 909-917.	2.1	171
5	Halide dependence of the myeloperoxidase-mediated antimicrobial system of the polymorphonuclear leukocyte in the phenomenon of electronic excitation. Biochemical and Biophysical Research Communications, 1975, 63, 675-683.	2.1	139
6	The role of pH in the chemiluminescent response of the myeloperoxidase-halide-HOOH antimicrobial system. Biochemical and Biophysical Research Communications, 1975, 63, 684-691.	2.1	77
7	Myeloperoxidase Selectively Binds and Selectively Kills Microbes. Infection and Immunity, 2011, 79, 474-485.	2.2	51
8	LUCIGENIN CHEMILUMINESCENCE: A NEW APPROACH TO THE STUDY OF POLYMORPHONUCLEAR LEUKOCYTE REDOX ACTIVITY. , 1981, , 63-73.		49
9	In Vivo Effects of Recombinant Human Granulocyte Colony-Stimulating Factor on Neutrophil Oxidative Functions in Normal Human Volunteers. Journal of Infectious Diseases, 1997, 175, 1184-1192.	4.0	44
10	Two-stage response to endotoxin infusion into normal human subjects: Correlation of blood phagocyte luminescence with clinical and laboratory markers of the inflammatory, hemostatic response. Critical Care Medicine, 2001, 29, 326-334.	0.9	44
11	Polymorphonuclear Neutrophil Chemiluminescence in Whole Blood from Blunt Trauma Patients with Multiple Injuries. Arteriosclerosis, Thrombosis, and Vascular Biology, 1999, 46, 297-305.	2.4	40
12	Humoral-Phagocyte Axis of Immune Defense in Burn Patients. Archives of Surgery, 1982, 117, 133.	2.2	39
13	The circulating phagocyte reflects the in vivo state of immune defense. Current Opinion in Infectious Diseases, 1992, 5, 389-398.	3.1	39
14	The Endothelium and Cytokine Secretion: The Role of Peroxidases as Immunoregulators. Cellular Immunology, 2000, 202, 23-30.	3.0	39
15	CHEMILUMINESCENCE FROM EUKARYOTIC AND PROKARYOTIC CELLS: REDUCING POTENTIAL AND OXYGEN REQUIREMENTS. Photochemistry and Photobiology, 1979, 30, 157-163.	2.5	32
16	The hypereosinophilic syndrome in acute lymphocytic leukemia. Cancer, 1984, 54, 1058-1061.	4.1	32
17	Role of Myeloperoxidase and Bacterial Metabolism in Chemiluminescence of Granulocytes from Patients with Chronic Granulomatous Disease. Journal of Infectious Diseases, 1981, 144, 344-348.	4.0	27
18	Macrophage-mediated candidacidal activity is augmented by exposure to eosinophil peroxidase: a paradigm for eosinophil-macrophage interaction. Inflammation, 1997, 21, 159-172.	3.8	21

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19	Blood phagocyte luminescence: gauging systemic immune activation. Methods in Enzymology, 2000, 305, 591-629.	1.0	21
20	Perpetuation of inflammation associated with experimental arthritis: the role of macrophage activation by neutrophilic myeloperoxidase. Mediators of Inflammation, 1998, 7, 381-389.	3.0	19
21	Maintenance and down-regulation of primed neutrophil chemiluminescence activity in human whole blood. Journal of Leukocyte Biology, 1997, 62, 837-844.	3.3	18
22	Impaired phagocyte oxidative capacity in patients with human immunodeficiency virus infection. Translational Research, 1998, 132, 284-293.	2.3	18
23	Reducedâ€oxidized difference spectral analysis and chemiluminescenceâ€based Scatchard analysis demonstrate selective binding of myeloperoxidase to microbes. Luminescence, 2011, 26, 208-213.	2.9	16
24	Neutrophil Leukocyte: Combustive Microbicidal Action and Chemiluminescence. Journal of Immunology Research, 2015, 2015, 1-11.	2.2	16
25	PRIOR EXPOSURE TO ENDOTOXIN EXACERBATES LIPOPOLYSACCHARIDE-INDUCED HYPOXEMIA AND ALVEOLITIS IN ANESTHETIZED SWINE. Shock, 1994, 2, 362-369.	2.1	13
26	Chemiluminescence and the Study of Phagocyte Redox Metabolism. Advances in Experimental Medicine and Biology, 1982, 141, 411-421.	1.6	13
27	Free-Radical Production by Reticuloendothelial Cells. , 1980, , 309-338.		11
28	Opsonic activity of antisera to ribosomal vaccine fractions with live and formalinized Pseudomonas aeruginosa. Canadian Journal of Microbiology, 1986, 32, 531-533.	1.7	8
29	Myeloperoxidase and Eosinophil Peroxidase Inhibit Endotoxin Activity and Increase Mouse Survival in a Lipopolysaccharide Lethal Dose 90% Model. Journal of Immunology Research, 2019, 2019, 1-10.	2.2	8
30	CHEMILUMINESCENCE: AN APPROACH TO THE STUDY OF THE HUMORAL-PHAGOCYTE AXIS IN HOST DEFENSE AGAINST INFECTION. , 1980, , 377-393.		7
31	Mechanism of Microbicidal Action of E-101 Solution, a Myeloperoxidase-Mediated Antimicrobial, and Its Oxidative Products. Infection and Immunity, 2019, 87, .	2.2	6
32	Role of Lactic Acid Bacteria-Myeloperoxidase Synergy in Establishing and Maintaining the Normal Flora in Man. Food and Nutrition Sciences (Print), 2013, 04, 67-72.	0.4	6
33	OXYGEN-DEPENDENT STREPTOCOCCUS FAECALIS CHEMILUMINESCENCE: THE IMPORTANCE OF METABOLISM AND MEDIUM COMPOSITION. , 1981, , 531-542.		5
34	MOLECULAR OXYGEN (O2): REACTIVITY AND LUMINESCENCE. , 2002, , .		5
35	Role of Oxygen in Phagocyte Microbicidal Action. Environmental Health Perspectives, 1994, 102, 201.	6.0	3
36	Enzymatically Inactive Eosinophil Peroxidase Inhibits Proinflammatory Cytokine Transcription and Secretion by Macrophages. Cellular Immunology, 1999, 196, 23-33.	3.0	3

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37	Luminescence studies of the phagocyte response to endotoxin infusion into normal human subjects: multiple discriminant analysis of luminescence response and correlation with phagocyte morphologic changes and release of elastase. Journal of Endotoxin Research, 2000, 6, 3-15.	2.5	3
38	Direct Quantification of Phagocyte Activity in Whole Blood: A Chemilumigenic Probe Approach. , 1982, , 1043-1058.		1
39	Essence of Reducing Equivalent Transfer Powering Neutrophil Oxidative Microbicidal Action and Chemiluminescence. , 2019, , .		1
40	Phagocyte Dioxygenation Reactions Yielding Chemiluminescence: The Maximum Multiplicity and Spin Conservation Rules Relative to Oxygen Reactivity. , 1988, 49, 219-222.		1
41	Haloperoxidase-Catalyzed Luminol Luminescence. Antioxidants, 2022, 11, 518.	5.1	1
42	Peroxidase-mediated Oxygenation and Microbicidal Activity. Inflammation, 2000, 24, 251-263.	3.8	0
43	Frontier Orbitals, Combustion and Redox Transfer from a Fermionic-Bosonic Orbital Perspective. Journal of Modern Physics, 2021, 12, 1162-1171.	0.6	0
44	MOLECULAR OXYGEN, PHAGOCYTE MICROBICIDAL ACTION AND LUMINESCENCE. , 2001, , .		0
45	INHIBITION ANALYSIS OF CHICKEN HETEROPHIL LUMINOL AND LUCIGENIN LUMINESCENCE. , 2001, , .		0
46	QUANTIFICATION OF POLYMORPHONUCLEAR LEUKOCYTE OXYGENATION ACTIVITY BY CHEMILUMINIGENIC PROBING. , 1984, , 875-880.		0