

# Robert C Allen

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

3,089  
citations

393982

19  
h-index

395343

33  
g-index

47  
all docs

47  
docs citations

47  
times ranked

935  
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. <i>Biochemical and Biophysical Research Communications</i> , 1972, 47, 679-684.	1.0	1,039
2	Phagocytic activation of a luminol-dependent chemiluminescence in rabbit alveolar and peritoneal macrophages. <i>Biochemical and Biophysical Research Communications</i> , 1976, 69, 245-252.	1.0	622
3	[36] Phagocytic leukocyte oxygenation activities and chemiluminescence: A kinetic approach to analysis. <i>Methods in Enzymology</i> , 1986, 133, 449-493.	0.4	381
4	The superoxide anion and singlet molecular oxygen: Their role in the microbicidal activity of the polymorphonuclear leukocyte. <i>Biochemical and Biophysical Research Communications</i> , 1974, 60, 909-917.	1.0	171
5	Halide dependence of the myeloperoxidase-mediated antimicrobial system of the polymorphonuclear leukocyte in the phenomenon of electronic excitation. <i>Biochemical and Biophysical Research Communications</i> , 1975, 63, 675-683.	1.0	139
6	The role of pH in the chemiluminescent response of the myeloperoxidase-halide-HOOH antimicrobial system. <i>Biochemical and Biophysical Research Communications</i> , 1975, 63, 684-691.	1.0	77
7	Myeloperoxidase Selectively Binds and Selectively Kills Microbes. <i>Infection and Immunity</i> , 2011, 79, 474-485.	1.0	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. <i>Journal of Infectious Diseases</i> , 1997, 175, 1184-1192.	1.9	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. <i>Critical Care Medicine</i> , 2001, 29, 326-334.	0.4	44
11	Polymorphonuclear Neutrophil Chemiluminescence in Whole Blood from Blunt Trauma Patients with Multiple Injuries. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1999, 46, 297-305.	1.1	40
12	Humoral-Phagocyte Axis of Immune Defense in Burn Patients. <i>Archives of Surgery</i> , 1982, 117, 133.	2.3	39
13	The circulating phagocyte reflects the in vivo state of immune defense. <i>Current Opinion in Infectious Diseases</i> , 1992, 5, 389-398.	1.3	39
14	The Endothelium and Cytokine Secretion: The Role of Peroxidases as Immunoregulators. <i>Cellular Immunology</i> , 2000, 202, 23-30.	1.4	39
15	CHEMILUMINESCENCE FROM EUKARYOTIC AND PROKARYOTIC CELLS: REDUCING POTENTIAL AND OXYGEN REQUIREMENTS. <i>Photochemistry and Photobiology</i> , 1979, 30, 157-163.	1.3	32
16	The hypereosinophilic syndrome in acute lymphocytic leukemia. <i>Cancer</i> , 1984, 54, 1058-1061.	2.0	32
17	Role of Myeloperoxidase and Bacterial Metabolism in Chemiluminescence of Granulocytes from Patients with Chronic Granulomatous Disease. <i>Journal of Infectious Diseases</i> , 1981, 144, 344-348.	1.9	27
18	Macrophage-mediated candidacidal activity is augmented by exposure to eosinophil peroxidase: a paradigm for eosinophil-macrophage interaction. <i>Inflammation</i> , 1997, 21, 159-172.	1.7	21

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19	Blood phagocyte luminescence: gauging systemic immune activation. <i>Methods in Enzymology</i> , 2000, 305, 591-629.	0.4	21
20	Perpetuation of inflammation associated with experimental arthritis: the role of macrophage activation by neutrophilic myeloperoxidase. <i>Mediators of Inflammation</i> , 1998, 7, 381-389.	1.4	19
21	Maintenance and down-regulation of primed neutrophil chemiluminescence activity in human whole blood. <i>Journal of Leukocyte Biology</i> , 1997, 62, 837-844.	1.5	18
22	Impaired phagocyte oxidative capacity in patients with human immunodeficiency virus infection. <i>Translational Research</i> , 1998, 132, 284-293.	2.4	18
23	Reduced oxidized difference spectral analysis and chemiluminescence based Scatchard analysis demonstrate selective binding of myeloperoxidase to microbes. <i>Luminescence</i> , 2011, 26, 208-213.	1.5	16
24	Neutrophil Leukocyte: Combustive Microbicidal Action and Chemiluminescence. <i>Journal of Immunology Research</i> , 2015, 2015, 1-11.	0.9	16
25	PRIOR EXPOSURE TO ENDOTOXIN EXACERBATES LIPOPOLYSACCHARIDE-INDUCED HYPOXEMIA AND ALVEOLITIS IN ANESTHETIZED SWINE. <i>Shock</i> , 1994, 2, 362-369.	1.0	13
26	Chemiluminescence and the Study of Phagocyte Redox Metabolism. <i>Advances in Experimental Medicine and Biology</i> , 1982, 141, 411-421.	0.8	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 <i>Pseudomonas aeruginosa</i> . <i>Canadian Journal of Microbiology</i> , 1986, 32, 531-533.	0.8	8
29	Myeloperoxidase and Eosinophil Peroxidase Inhibit Endotoxin Activity and Increase Mouse Survival in a Lipopolysaccharide Lethal Dose 90% Model. <i>Journal of Immunology Research</i> , 2019, 2019, 1-10.	0.9	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. <i>Infection and Immunity</i> , 2019, 87, .	1.0	6
32	Role of Lactic Acid Bacteria-Myeloperoxidase Synergy in Establishing and Maintaining the Normal Flora in Man. <i>Food and Nutrition Sciences (Print)</i> , 2013, 04, 67-72.	0.2	6
33	OXYGEN-DEPENDENT STREPTOCOCCUS FAECALIS CHEMILUMINESCENCE: THE IMPORTANCE OF METABOLISM AND MEDIUM COMPOSITION. , 1981, , 531-542.		5
34	MOLECULAR OXYGEN (O <sub>2</sub> ): REACTIVITY AND LUMINESCENCE. , 2002, , .		5
35	Role of Oxygen in Phagocyte Microbicidal Action. <i>Environmental Health Perspectives</i> , 1994, 102, 201.	2.8	3
36	Enzymatically Inactive Eosinophil Peroxidase Inhibits Proinflammatory Cytokine Transcription and Secretion by Macrophages. <i>Cellular Immunology</i> , 1999, 196, 23-33.	1.4	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. <i>Journal of Endotoxin Research</i> , 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. <i>Antioxidants</i> , 2022, 11, 518.	2.2	1
42	Peroxidase-mediated Oxygenation and Microbicidal Activity. <i>Inflammation</i> , 2000, 24, 251-263.	1.7	0
43	Frontier Orbitals, Combustion and Redox Transfer from a Fermionic-Bosonic Orbital Perspective. <i>Journal of Modern Physics</i> , 2021, 12, 1162-1171.	0.3	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