

Robert A Clark

List of Publications by Year in descending order

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82
papers

8,018
citations

66315

42
h-index

60583

81
g-index

83
all docs

83
docs citations

83
times ranked

8818
citing authors

#	ARTICLE	IF	CITATIONS
1	The Influence of CCL3L1 Gene-Containing Segmental Duplications on HIV-1/AIDS Susceptibility. <i>Science</i> , 2005, 307, 1434-1440.	6.0	1,040
2	Two Novel Proteins Activate Superoxide Generation by the NADPH Oxidase NOX1. <i>Journal of Biological Chemistry</i> , 2003, 278, 3510-3513.	1.6	430
3	Cloning of a 67-kD neutrophil oxidase factor with similarity to a noncatalytic region of p60c-src. <i>Science</i> , 1990, 248, 727-730.	6.0	403
4	Two cytosolic neutrophil oxidase components absent in autosomal chronic granulomatous disease. <i>Science</i> , 1988, 242, 1295-1297.	6.0	392
5	Genealogy of the CCR5 locus and chemokine system gene variants associated with altered rates of HIV-1 disease progression. <i>Nature Medicine</i> , 1998, 4, 786-793.	15.2	329
6	Cloning of the cDNA and functional expression of the 47-kilodalton cytosolic component of human neutrophil respiratory burst oxidase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1989, 86, 7195-7199.	3.3	322
7	Enhanced CD4+ T-Cell Recovery with Earlier HIV-1 Antiretroviral Therapy. <i>New England Journal of Medicine</i> , 2013, 368, 218-230.	13.9	295
8	Role of redox-regulated transcription factors in inflammation, aging and age-related diseases. <i>Experimental Gerontology</i> , 2000, 35, 521-532.	1.2	275
9	Race-specific HIV-1 disease-modifying effects associated with CCR5 haplotypes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 12004-12009.	3.3	248
10	Genetic Variants of Chronic Granulomatous Disease: Prevalence of Deficiencies of Two Cytosolic Components of the NADPH Oxidase System. <i>New England Journal of Medicine</i> , 1989, 321, 647-652.	13.9	238
11	Small-Molecule NOX Inhibitors: ROS-Generating NADPH Oxidases as Therapeutic Targets. <i>Antioxidants and Redox Signaling</i> , 2009, 11, 2535-2552.	2.5	233
12	Calreticulin Functions as a Molecular Chaperone in the Biosynthesis of Myeloperoxidase. <i>Journal of Biological Chemistry</i> , 1995, 270, 4741-4747.	1.6	229
13	Global survey of genetic variation in CCR5, RANTES, and MIP-1 α : Impact on the epidemiology of the HIV-1 pandemic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 5199-5204.	3.3	225
14	NOX enzymes as novel targets for drug development. <i>Seminars in Immunopathology</i> , 2008, 30, 339-363.	2.8	187
15	Novel Regulation of Parkin Function through c-Abl-Mediated Tyrosine Phosphorylation: Implications for Parkinson's Disease. <i>Journal of Neuroscience</i> , 2011, 31, 157-163.	1.7	186
16	CCL3L1 and CCR5 influence cell-mediated immunity and affect HIV-AIDS pathogenesis via viral entry-independent mechanisms. <i>Nature Immunology</i> , 2007, 8, 1324-1336.	7.0	152
17	Chemotactic Factor Inactivation by the Myeloperoxidase-Hydrogen Peroxide-Halide System. <i>Journal of Clinical Investigation</i> , 1979, 64, 913-920.	3.9	144
18	Redistribution of intracellular Ca ²⁺ stores during phagocytosis in human neutrophils. <i>Science</i> , 1994, 265, 1439-1441.	6.0	141

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19	NOX5 in Human Spermatozoa. <i>Journal of Biological Chemistry</i> , 2012, 287, 9376-9388.	1.6	135
20	CCL3L1-CCR5 genotype influences durability of immune recovery during antiretroviral therapy of HIV-1-infected individuals. <i>Nature Medicine</i> , 2008, 14, 413-420.	15.2	118
21	WNT1-inducible signaling pathway protein-1 activates diverse cell survival pathways and blocks doxorubicin-induced cardiomyocyte death. <i>Cellular Signalling</i> , 2010, 22, 809-820.	1.7	111
22	NAD(P)H Oxidases Regulate HIF-2 β Protein Expression. <i>Journal of Biological Chemistry</i> , 2007, 282, 8019-8026.	1.6	107
23	Novel redox-dependent regulation of NOX5 by the tyrosine kinase c-Abl. <i>Free Radical Biology and Medicine</i> , 2008, 44, 868-881.	1.3	103
24	WISP1, a Pro-mitogenic, Pro-survival Factor, Mediates Tumor Necrosis Factor- α (TNF- α)-stimulated Cardiac Fibroblast Proliferation but Inhibits TNF- α -induced Cardiomyocyte Death. <i>Journal of Biological Chemistry</i> , 2009, 284, 14414-14427.	1.6	102
25	A Domain of p47phox That Interacts with Human Neutrophil Flavocytochrome b558. <i>Journal of Biological Chemistry</i> , 1995, 270, 26246-26251.	1.6	93
26	Macrophage-mediated GDNF Delivery Protects Against Dopaminergic Neurodegeneration: A Therapeutic Strategy for Parkinson's Disease. <i>Molecular Therapy</i> , 2010, 18, 1536-1544.	3.7	91
27	Angiotensin II enhances AT ₁ -Nox1 binding and stimulates arterial smooth muscle cell migration and proliferation through AT ₁ , Nox1, and interleukin-18. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 303, H282-H296.	1.5	86
28	Nuclear factor kappa B activation by NADPH oxidases. <i>Mechanisms of Ageing and Development</i> , 2004, 125, 799-810.	2.2	71
29	HIV-1 Disease-Influencing Effects Associated with ZNRD1, HCP5 and HLA-C Alleles Are Attributable Mainly to Either HLA-A10 or HLA-B*57 Alleles. <i>PLoS ONE</i> , 2008, 3, e3636.	1.1	70
30	Duffy-Null Associated Low Neutrophil Counts Influence HIV-1 Susceptibility in High-Risk South African Black Women. <i>Clinical Infectious Diseases</i> , 2011, 52, 1248-1256.	2.9	69
31	Influence of the Timing of Antiretroviral Therapy on the Potential for Normalization of Immune Status in Human Immunodeficiency Virus 1-infected Individuals. <i>JAMA Internal Medicine</i> , 2015, 175, 88.	2.6	69
32	PU.1 Is Essential for p47 Promoter Activity in Myeloid Cells. <i>Journal of Biological Chemistry</i> , 1997, 272, 17802-17809.	1.6	67
33	Nox2 Mediates Skeletal Muscle Insulin Resistance Induced by a High Fat Diet. <i>Journal of Biological Chemistry</i> , 2015, 290, 13427-13439.	1.6	63
34	Neuroprotective Efficacy of a New Brain-Penetrating C-Abl Inhibitor in a Murine Parkinson's Disease Model. <i>PLoS ONE</i> , 2013, 8, e65129.	1.1	62
35	Infected Cardiac Myxoma: Case Report and Literature Review. <i>Medicine (United States)</i> , 1998, 77, 337-344.	0.4	57
36	The Duffy-null state is associated with a survival advantage in leukopenic HIV-infected persons of African ancestry. <i>Blood</i> , 2009, 114, 2783-2792.	0.6	56

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37	Calreticulin Modulates Capacitative Ca ²⁺ Influx by Controlling the Extent of Inositol 1,4,5-Trisphosphate-induced Ca ²⁺ Store Depletion. <i>Journal of Biological Chemistry</i> , 2000, 275, 36676-36682.	1.6	52
38	Advanced oxidation protein products induce cardiomyocyte death via Nox2/Rac1/superoxide-dependent TRAF3IP2/JNK signaling. <i>Free Radical Biology and Medicine</i> , 2013, 60, 125-135.	1.3	50
39	Epigenetic mechanisms, T-cell activation, and CCR5 genetics interact to regulate T-cell expression of CCR5, the major HIV-1 coreceptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E4762-71.	3.3	48
40	CIKS (Act1 or TRAF3IP2) mediates Angiotensin-II-induced Interleukin-18 expression, and Nox2-dependent cardiomyocyte hypertrophy. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 53, 113-124.	0.9	46
41	Development of a Synthetic Promoter for Macrophage Gene Therapy. <i>Human Gene Therapy</i> , 2006, 17, 949-959.	1.4	44
42	Regulation of phagocyte NADPH oxidase by hydrogen peroxide through a Ca ²⁺ /c-Abl signaling pathway. <i>Free Radical Biology and Medicine</i> , 2010, 48, 798-810.	1.3	43
43	Bone marrow-derived microglia-based neurturin delivery protects against dopaminergic neurodegeneration in a mouse model of Parkinson's disease. <i>Neuroscience Letters</i> , 2013, 535, 24-29.	1.0	41
44	Calreticulin Biosynthesis and Processing in Human Myeloid Cells: Demonstration of Signal Peptide Cleavage and N-Glycosylation. <i>Blood</i> , 1997, 90, 372-381.	0.6	39
45	Combinatorial content of CCL3L and CCL4L gene copy numbers influence HIV-AIDS susceptibility in Ukrainian children. <i>Aids</i> , 2009, 23, 679-688.	1.0	39
46	Critical Flanking Sequences of PU.1 Binding Sites in Myeloid-specific Promoters. <i>Journal of Biological Chemistry</i> , 1999, 274, 32453-32460.	1.6	38
47	Multiple PU.1 sites cooperate in the regulation of p40phox transcription during granulocytic differentiation of myeloid cells. <i>Blood</i> , 2002, 99, 4578-4587.	0.6	31
48	Regulation of NOX1 expression by GATA, HNF-1 α , and Cdx transcription factors. <i>Free Radical Biology and Medicine</i> , 2008, 44, 430-443.	1.3	31
49	GDNF-expressing macrophages mitigate loss of dopamine neurons and improve Parkinsonian symptoms in MitoPark mice. <i>Scientific Reports</i> , 2018, 8, 5460.	1.6	30
50	Concordance of CCR5 Genotypes that Influence Cell-Mediated Immunity and HIV-1 Disease Progression Rates. <i>Journal of Infectious Diseases</i> , 2011, 203, 263-272.	1.9	29
51	Two cytosolic components of the neutrophil NADPH oxidase, P47-PHOX and P67-PHOX, are not flavoproteins. <i>Biochemical and Biophysical Research Communications</i> , 1990, 173, 376-381.	1.0	27
52	Transcriptional Regulation of the p67 Gene. <i>Journal of Biological Chemistry</i> , 2001, 276, 39368-39378.	1.6	26
53	Interleukin-18 Suppresses Adiponectin Expression in 3T3-L1 Adipocytes via a Novel Signal Transduction Pathway Involving ERK1/2-dependent NFATc4 Phosphorylation. <i>Journal of Biological Chemistry</i> , 2008, 283, 4200-4209.	1.6	25
54	Reply to: "CCL3L1 and HIV/AIDS susceptibility" and "Experimental aspects of copy number variant assays at CCL3L1". <i>Nature Medicine</i> , 2009, 15, 1117-1120.	15.2	24

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55	CCL3L1-CCR5 Genotype Improves the Assessment of AIDS Risk in HIV-1-Infected Individuals. PLoS ONE, 2008, 3, e3165.	1.1	23
56	Role of CCL3L1-CCR5 Genotypes in the Epidemic Spread of HIV-1 and Evaluation of Vaccine Efficacy. PLoS ONE, 2008, 3, e3671.	1.1	23
57	Multimodal MRI Evaluation of the MitoPark Mouse Model of Parkinson's Disease. PLoS ONE, 2016, 11, e0151884.	1.1	23
58	Methylene Blue Ameliorates Olfactory Dysfunction and Motor Deficits in a Chronic MPTP/Probenecid Mouse Model of Parkinson's Disease. Neuroscience, 2018, 380, 111-122.	1.1	22
59	Immunologic resilience and COVID-19 survival advantage. Journal of Allergy and Clinical Immunology, 2021, 148, 1176-1191.	1.5	21
60	NOX1 NADPH oxidase regulation by the NOXA1 SH3 domain. Free Radical Biology and Medicine, 2007, 43, 384-396.	1.3	20
61	Regulation of Calreticulin Expression during Induction of Differentiation in Human Myeloid Cells. Journal of Biological Chemistry, 2002, 277, 32369-32378.	1.6	19
62	Response: Association of Duffy Antigen Genotypes with HIV-AIDS Susceptibility. Cell Host and Microbe, 2009, 5, 418-419.	5.1	19
63	Preservation of epithelial cell barrier function and muted inflammation in resistance to allergic rhinoconjunctivitis from house dust mite challenge. Journal of Allergy and Clinical Immunology, 2017, 139, 844-854.	1.5	16
64	Non-toxic HSC Transplantation-Based Macrophage/Microglia-Mediated GDNF Delivery for Parkinson's Disease. Molecular Therapy - Methods and Clinical Development, 2020, 17, 83-98.	1.8	16
65	Functional MRI of the mouse olfactory system. Neuroscience Letters, 2019, 704, 57-61.	1.0	15
66	Macrophage LXR gene therapy ameliorates atherosclerosis as well as hypertriglyceridemia in LDLR ^{-/-} mice. Gene Therapy, 2011, 18, 835-841.	2.3	14
67	Intersecting Stories of the Phagocyte NADPH Oxidase and Chronic Granulomatous Disease. Methods in Molecular Biology, 2019, 1982, 3-16.	0.4	13
68	Mobilization-based transplantation of young donor hematopoietic stem cells extends lifespan in mice. Aging Cell, 2020, 19, e13110.	3.0	13
69	Calreticulin Biosynthesis and Processing in Human Myeloid Cells: Demonstration of Signal Peptide Cleavage and N-Glycosylation. Blood, 1997, 90, 372-381.	0.6	12
70	Role of Tuberin in Neuronal Degeneration. Neurochemical Research, 2008, 33, 1113-1116.	1.6	10
71	Regulatable Lentiviral Hematopoietic Stem Cell Gene Therapy in a Mouse Model of Parkinson's Disease. Stem Cells and Development, 2018, 27, 995-1005.	1.1	10
72	Reduced cerebral blood flow in an α -synuclein transgenic mouse model of Parkinson's disease. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 2441-2453.	2.4	10

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73	Mechanisms of activation of NADPH oxidases. Japanese Journal of Infectious Diseases, 2004, 57, S22-3.	0.5	10
74	Cockroach sensitization mitigates allergic rhinoconjunctivitis symptom severity in patients allergic to house dust mites and pollen. Journal of Allergy and Clinical Immunology, 2015, 136, 658-666.	1.5	8
75	Editorial: Proton pathway paradox: Hv1 H+ channel sustains neutrophil Nox2 activity, yet suppresses HOCl formation. Journal of Leukocyte Biology, 2016, 99, 1-4.	1.5	7
76	Repetitive aeroallergen challenges elucidate maladaptive epithelial and inflammatory traits that underpin allergic airway diseases. Journal of Allergy and Clinical Immunology, 2021, 148, 533-549.	1.5	7
77	Large-scale provocation studies identify maladaptive responses to ubiquitous aeroallergens as a correlate of severe allergic rhinoconjunctivitis and asthma. Allergy: European Journal of Allergy and Clinical Immunology, 2021, , .	2.7	7
78	Improving pilot project application and review processes: A novel application of lean six sigma in translational science. Journal of Clinical and Translational Science, 2018, 2, 135-138.	0.3	6
79	Granulocytic Phagocytes. , 2010, , 99-127.		3
80	Lentiviral Infection of Mouse Bone Marrow Cells for Hematopoietic Stem Cell Transplantation. Methods in Molecular Biology, 2019, 1919, 205-213.	0.4	1
81	Peroxidases: A Historical Overview of Milestones in Research on Myeloperoxidase. , 2000, , 1-10.		1
82	Development of a Synthetic Promoter for Macrophage Gene Therapy. Human Gene Therapy, 2006, .	1.4	1