

Robin M Yates

List of Publications by Year in descending order

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57
papers

3,020
citations

257450

24
h-index

168389

53
g-index

58
all docs

58
docs citations

58
times ranked

4267
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Mycobacterium tuberculosis</i> and the environment within the phagosome. <i>Immunological Reviews</i> , 2007, 219, 37-54.	6.0	314
2	Adherent and Invasive <i>Escherichia coli</i> Is Associated with Granulomatous Colitis in Boxer Dogs. <i>Infection and Immunity</i> , 2006, 74, 4778-4792.	2.2	235
3	The Kinetics of Phagosome Maturation as a Function of Phagosome/Lysosome Fusion and Acquisition of Hydrolytic Activity. <i>Traffic</i> , 2005, 6, 413-420.	2.7	195
4	Phagosome Maturation Proceeds Independently of Stimulation of Toll-like Receptors 2 and 4. <i>Immunity</i> , 2005, 23, 409-417.	14.3	192
5	Identification and treatment of the <i>Staphylococcus aureus</i> reservoir in vivo. <i>Journal of Experimental Medicine</i> , 2016, 213, 1141-1151.	8.5	178
6	Phagosomal proteolysis in dendritic cells is modulated by NADPH oxidase in a pH-independent manner. <i>EMBO Journal</i> , 2012, 31, 932-944.	7.8	143
7	Targeting Mitochondria-Derived Reactive Oxygen Species to Reduce Epithelial Barrier Dysfunction and Colitis. <i>American Journal of Pathology</i> , 2014, 184, 2516-2527.	3.8	134
8	NADPH oxidase activity controls phagosomal proteolysis in macrophages through modulation of the luminal redox environment of phagosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 10496-10501.	7.1	123
9	Macrophage Activation Downregulates the Degradative Capacity of the Phagosome. <i>Traffic</i> , 2007, 8, 241-250.	2.7	119
10	Alternative activation of macrophages by IL-4 enhances the proteolytic capacity of their phagosomes through synergistic mechanisms. <i>Blood</i> , 2011, 118, 4199-4208.	1.4	117
11	<i>Giardia duodenalis</i> Cathepsin B Proteases Degrade Intestinal Epithelial Interleukin-8 and Attenuate Interleukin-8-Induced Neutrophil Chemotaxis. <i>Infection and Immunity</i> , 2014, 82, 2772-2787.	2.2	91
12	NADPH Oxidase Modifies Patterns of MHC Class II-Restricted Epitopic Repertoires through Redox Control of Antigen Processing. <i>Journal of Immunology</i> , 2014, 192, 4989-5001.	0.8	85
13	Intraphagosomal Measurement of the Magnitude and Duration of the Oxidative Burst. <i>Traffic</i> , 2009, 10, 372-378.	2.7	84
14	Intracellular chloride channel protein CLIC1 regulates macrophage functions via modulation of phagosomal acidification. <i>Journal of Cell Science</i> , 2012, 125, 5479-88.	2.0	75
15	<i>Giardia duodenalis</i> Surface Cysteine Proteases Induce Cleavage of the Intestinal Epithelial Cytoskeletal Protein Villin via Myosin Light Chain Kinase. <i>PLoS ONE</i> , 2015, 10, e0136102.	2.5	70
16	A role for cathepsin Z in neuroinflammation provides mechanistic support for an epigenetic risk factor in multiple sclerosis. <i>Journal of Neuroinflammation</i> , 2017, 14, 103.	7.2	63
17	Real-Time Spectrofluorometric Assays for the Luminal Environment of the Maturing Phagosome. <i>Methods in Molecular Biology</i> , 2008, 445, 311-325.	0.9	63
18	β -Interferon-inducible Lysosomal Thiol Reductase (GILT) Maintains Phagosomal Proteolysis in Alternatively Activated Macrophages. <i>Journal of Biological Chemistry</i> , 2014, 289, 31891-31904.	3.4	61

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19	Smac mimetics and oncolytic viruses synergize in driving anticancer T-cell responses through complementary mechanisms. <i>Nature Communications</i> , 2017, 8, 344.	12.8	61
20	Better Together: Current Insights Into Phagosome-Lysosome Fusion. <i>Frontiers in Immunology</i> , 2021, 12, 636078.	4.8	54
21	Antiviral Antibodies Target Adenovirus to Phagolysosomes and Amplify the Innate Immune Response. <i>Journal of Immunology</i> , 2009, 182, 7058-7068.	0.8	50
22	Intraphagosomal measurement of the magnitude and duration of the oxidative burst.. <i>Traffic</i> , 2009, 10, 372-8.	2.7	48
23	Redirecting soluble antigen for MHC class I cross-presentation during phagocytosis. <i>European Journal of Immunology</i> , 2015, 45, 383-395.	2.9	37
24	Redundancy between Cysteine Cathepsins in Murine Experimental Autoimmune Encephalomyelitis. <i>PLoS ONE</i> , 2015, 10, e0128945.	2.5	29
25	Dynamic Quantitative Assays of Phagosomal Function. <i>Current Protocols in Immunology</i> , 2013, 102, 14.34.1-14.34.14.	3.6	25
26	Abnormal cannabidiol attenuates experimental colitis in mice, promotes wound healing and inhibits neutrophil recruitment. <i>Journal of Inflammation</i> , 2016, 13, 21.	3.4	25
27	Toll-like receptors and phagosome maturation. <i>Nature Immunology</i> , 2007, 8, 217-217.	14.5	24
28	Recording Phagosome Maturation Through the Real-Time, Spectrofluorometric Measurement of Hydrolytic Activities. <i>Methods in Molecular Biology</i> , 2009, 531, 157-171.	0.9	24
29	TLR signalling and phagosome maturation: an alternative viewpoint. <i>Cellular Microbiology</i> , 2007, 9, 849-850.	2.1	20
30	The phagosome and redox control of antigen processing. <i>Free Radical Biology and Medicine</i> , 2018, 125, 53-61.	2.9	20
31	Growth hormone-mediated reprogramming of macrophage transcriptome and effector functions. <i>Scientific Reports</i> , 2019, 9, 19348.	3.3	20
32	Characterizing heterogeneity in the response of synovial mesenchymal progenitor cells to synovial macrophages in normal individuals and patients with osteoarthritis. <i>Journal of Inflammation</i> , 2016, 13, 12.	3.4	19
33	Redox-sensitive probes for the measurement of redox chemistries within phagosomes of macrophages and dendritic cells. <i>Redox Biology</i> , 2013, 1, 467-474.	9.0	17
34	Gestational bisphenol-A exposure lowers the threshold for autoimmunity in a model of multiple sclerosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4999-5004.	7.1	17
35	Application of a Sulfoxonium Ylide Electrophile to Generate Cathepsin X-Selective Activity-Based Probes. <i>ACS Chemical Biology</i> , 2020, 15, 718-727.	3.4	17
36	Infection of porcine bone marrow-derived macrophages by porcine respiratory and reproductive syndrome virus impairs phagosomal maturation. <i>Journal of General Virology</i> , 2016, 97, 669-679.	2.9	17

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37	N-Terminomics/TAILS Profiling of Proteases and Their Substrates in Ulcerative Colitis. ACS Chemical Biology, 2019, 14, 2471-2483.	3.4	16
38	Mycobacterium tuberculosis: Readouts of Bacterial Fitness and the Environment Within the Phagosome. Methods in Molecular Biology, 2017, 1519, 333-347.	0.9	13
39	Macrophages disseminate pathogen associated molecular patterns through the direct extracellular release of the soluble content of their phagolysosomes. Nature Communications, 2022, 13, .	12.8	13
40	In vitro and in vivo transfection of primary phagocytes via microbubble-mediated intraphagosomal sonoporation. Journal of Immunological Methods, 2011, 371, 152-158.	1.4	12
41	Development of a novel, cell-based chemical screen to identify inhibitors of intraphagosomal lipolysis in macrophages. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2010, 77A, 751-760.	1.5	11
42	Listeria exploits IFITM3 to suppress antibacterial activity in phagocytes. Nature Communications, 2021, 12, 4999.	12.8	11
43	Redox Considerations in the Phagosome: Current Concepts, Controversies, and Future Challenges. Antioxidants and Redox Signaling, 2013, 18, 628-629.	5.4	10
44	Ligation of $\text{Fc}\gamma\text{R}$ Alters Phagosomal Processing of Protein via Augmentation of NADPH Oxidase Activity. Traffic, 2016, 17, 786-802.	2.7	10
45	Extracellular cathepsin Z signals through the $\alpha 5$ integrin and augments NLRP3 inflammasome activation. Journal of Biological Chemistry, 2022, 298, 101459.	3.4	10
46	Endogenous and exogenous pathways maintain the reductive capacity of the phagosome. Journal of Leukocyte Biology, 2016, 100, 17-26.	3.3	9
47	17-DMAG regulates p21 expression to induce chondrogenesis <i>in vitro</i> and <i>in vivo</i> . DMM Disease Models and Mechanisms, 2018, 11, .	2.4	9
48	An Institutional Self-Study of Text-Matching Software in a Canadian Graduate-Level Engineering Program. Journal of Academic Ethics, 2020, 18, 263-282.	2.2	8
49	Simultaneous Analysis of Multiple Luminal Parameters of Individual Phagosomes Using High-Content Imaging. Methods in Molecular Biology, 2017, 1519, 227-239.	0.9	7
50	The cooling compound icilin attenuates autoimmune neuroinflammation through modulation of the T cell response. FASEB Journal, 2018, 32, 1236-1249.	0.5	4
51	A non-immunological role for $\text{I}\beta\text{-interferon}$ -inducible lysosomal thiol reductase (GILT) in osteoclastic bone resorption. Science Advances, 2021, 7, .	10.3	4
52	Fluorometric Approaches to Measuring Reductive and Oxidative Events in Phagosomes. Methods in Molecular Biology, 2017, 1519, 215-225.	0.9	3
53	Giardia duodenalis cysteine cathepsin proteases and their role in intestinal disease. FASEB Journal, 2013, 27, 647.7.	0.5	2
54	Strategic research prioritisation in veterinary schools: a preliminary investigation. Journal of Higher Education Policy and Management, 2018, 40, 175-189.	2.3	1

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55	Giardia cathepsin B cysteine proteases degrade interleukin-8 and attenuate interleukin-8-induced neutrophil chemotaxis (152.2). FASEB Journal, 2014, 28, 152.2.	0.5	0
56	Functional Analysis of the Intraphagosomal Environment of the Macrophage: Fluorogenic Reporters and the Transcriptional Responses of Salmonella and Mycobacterium spp., 0, , 249-264.		0
57	Benefits of Antibiotics During Viral Infections: Immunomodulating Properties of Tulathromycin in Porcine Reproductive and Respiratory Syndrome. FASEB Journal, 2018, 32, 817.1.	0.5	0