

Bryan Heit

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54
papers

2,853
citations

26
h-index

53
g-index

63
ext. papers

3,365
ext. citations

5.4
avg. IF

5.24
L-index

#	Paper	IF	Citations
54	Intraluminal crawling of neutrophils to emigration sites: a molecularly distinct process from adhesion in the recruitment cascade. <i>Journal of Experimental Medicine</i> , 2006 , 203, 2569-75	16.6	512
53	An intracellular signaling hierarchy determines direction of migration in opposing chemotactic gradients. <i>Journal of Cell Biology</i> , 2002 , 159, 91-102	7.3	387
52	PTEN functions to prioritize chemotactic cues and prevent distraction in migrating neutrophils. <i>Nature Immunology</i> , 2008 , 9, 743-52	19.1	204
51	Role of CD44 and hyaluronan in neutrophil recruitment. <i>Journal of Immunology</i> , 2004 , 173, 7594-601	5.3	148
50	Intracellular replication of <i>Staphylococcus aureus</i> in mature phagolysosomes in macrophages precedes host cell death, and bacterial escape and dissemination. <i>Cellular Microbiology</i> , 2016 , 18, 514-35 ^{3,9}	5.9	115
49	PI3K accelerates, but is not required for, neutrophil chemotaxis to fMLP. <i>Journal of Cell Science</i> , 2008 , 121, 205-14	5.3	114
48	Antimicrobial Mechanisms of Macrophages and the Immune Evasion Strategies of <i>Staphylococcus aureus</i> . <i>Pathogens</i> , 2015 , 4, 826-68	4.5	102
47	Vav1 is essential for mechanotactic crawling and migration of neutrophils out of the inflamed microvasculature. <i>Journal of Immunology</i> , 2009 , 182, 6870-8	5.3	102
46	Contribution of phosphatidylserine to membrane surface charge and protein targeting during phagosome maturation. <i>Journal of Cell Biology</i> , 2009 , 185, 917-28	7.3	102
45	Fundamentally different roles for LFA-1, Mac-1 and alpha4-integrin in neutrophil chemotaxis. <i>Journal of Cell Science</i> , 2005 , 118, 5205-20	5.3	90
44	Multimolecular signaling complexes enable Syk-mediated signaling of CD36 internalization. <i>Developmental Cell</i> , 2013 , 24, 372-83	10.2	83
43	A novel assay uncovers an unexpected role for SR-BI in LDL transcytosis. <i>Cardiovascular Research</i> , 2015 , 108, 268-77	9.9	79
42	Measuring chemotaxis and chemokinesis: the under-agarose cell migration assay. <i>Science Signaling</i> , 2003 , 2003, PL5	8.8	77
41	Covid-19: Perspectives on Innate Immune Evasion. <i>Frontiers in Immunology</i> , 2020 , 11, 580641	8.4	64
40	SR-BI Mediated Transcytosis of HDL in Brain Microvascular Endothelial Cells Is Independent of Caveolin, Clathrin, and PDZK1. <i>Frontiers in Physiology</i> , 2017 , 8, 841	4.6	61
39	Molecular regulators of leucocyte chemotaxis during inflammation. <i>Cardiovascular Research</i> , 2010 , 86, 183-91	9.9	57
38	Clathrin-dependent entry and vesicle-mediated exocytosis define insulin transcytosis across microvascular endothelial cells. <i>Molecular Biology of the Cell</i> , 2015 , 26, 740-50	3.5	54

37	Palmitate-induced inflammatory pathways in human adipose microvascular endothelial cells promote monocyte adhesion and impair insulin transcytosis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015 , 309, E35-44	6	46
36	Armed for destruction: formation, function and trafficking of neutrophil granules. <i>Cell and Tissue Research</i> , 2018 , 371, 455-471	4.2	42
35	HIV-1 Nef sequesters MHC-I intracellularly by targeting early stages of endocytosis and recycling. <i>Scientific Reports</i> , 2016 , 6, 37021	4.9	34
34	Lipopolysaccharide: a p38 MAPK-dependent disrupter of neutrophil chemotaxis. <i>Microcirculation</i> , 2005 , 12, 421-32	2.9	33
33	MIISR: Molecular Interactions in Super-Resolution Imaging Enables the Analysis of Protein Interactions, Dynamics and Formation of Multi-protein Structures. <i>PLoS Computational Biology</i> , 2015 , 11, e1004634	5	31
32	HIV and other lentiviral infections cause defects in neutrophil chemotaxis, recruitment, and cell structure: immunorestorative effects of granulocyte-macrophage colony-stimulating factor. <i>Journal of Immunology</i> , 2006 , 177, 6405-14	5.3	30
31	In vivo impairment of neutrophil recruitment during lentivirus infection. <i>Journal of Immunology</i> , 2003 , 171, 4801-8	5.3	30
30	Changes in mitochondrial surface charge mediate recruitment of signaling molecules during apoptosis. <i>American Journal of Physiology - Cell Physiology</i> , 2011 , 300, C33-41	5.4	29
29	Rab17 mediates differential antigen sorting following efferocytosis and phagocytosis. <i>Cell Death and Disease</i> , 2016 , 7, e2529	9.8	28
28	Endothelial LSP1 Modulates Extravascular Neutrophil Chemotaxis by Regulating Nonhematopoietic Vascular PECAM-1 Expression. <i>Journal of Immunology</i> , 2015 , 195, 2408-16	5.3	18
27	PSD-95 regulates CRFR1 localization, trafficking and β arrestin2 recruitment. <i>Cellular Signalling</i> , 2016 , 28, 531-540	4.9	18
26	Cytoskeletal confinement of CX3CL1 limits its susceptibility to proteolytic cleavage by ADAM10. <i>Molecular Biology of the Cell</i> , 2014 , 25, 3884-99	3.5	18
25	CD36 mediates albumin transcytosis by dermal but not lung microvascular endothelial cells: role in fatty acid delivery. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019 , 316, L740-L750	5.8	16
24	Short-Lived Cages Restrict Protein Diffusion in the Plasma Membrane. <i>Scientific Reports</i> , 2016 , 6, 34987	4.9	15
23	Soluble CD93 is an apoptotic cell opsonin recognized by α European Journal of Immunology, 2019 , 49, 600-610	6.1	12
22	Rab17 mediates intermixing of phagocytosed apoptotic cells with recycling endosomes. <i>Small GTPases</i> , 2019 , 10, 218-226	2.7	12
21	Mechanisms of Dysregulated Humoral and Cellular Immunity by SARS-CoV-2. <i>Pathogens</i> , 2020 , 9,	4.5	11
20	Antagonistic Coevolution of MER Tyrosine Kinase Expression and Function. <i>Molecular Biology and Evolution</i> , 2017 , 34, 1613-1628	8.3	8

19	82-kDa choline acetyltransferase and SATB1 localize to amyloid induced matrix attachment regions. <i>Scientific Reports</i> , 2016 , 6, 23914	4.9	8
18	Membrane Diffusion Occurs by Continuous-Time Random Walk Sustained by Vesicular Trafficking. <i>Biophysical Journal</i> , 2018 , 114, 2887-2899	2.9	8
17	Efferocytic Defects in Early Atherosclerosis Are Driven by GATA2 Overexpression in Macrophages. <i>Frontiers in Immunology</i> , 2020 , 11, 594136	8.4	8
16	Role of Apoptotic Cell Clearance in Pneumonia and Inflammatory Lung Disease. <i>Pathogens</i> , 2021 , 10,	4.5	8
15	Cellular Responses to the Efferocytosis of Apoptotic Cells. <i>Frontiers in Immunology</i> , 2021 , 12, 631714	8.4	7
14	Quantitative Efferocytosis Assays. <i>Methods in Molecular Biology</i> , 2017 , 1519, 25-41	1.4	6
13	Visualizing Interactions Between HIV-1 Nef and Host Cellular Proteins Using Ground-State Depletion Microscopy. <i>AIDS Research and Human Retroviruses</i> , 2015 , 31, 671-2	1.6	5
12	Human-Specific Mutations and Positively Selected Sites in MARCO Confer Functional Changes. <i>Molecular Biology and Evolution</i> , 2018 , 35, 440-450	8.3	5
11	Rab GTPases in the differential processing of phagocytosed pathogens versus efferocytosed apoptotic cells. <i>Histology and Histopathology</i> , 2021 , 36, 123-135	1.4	5
10	Integrin-linked kinase regulates melanosome trafficking and melanin transfer in melanocytes. <i>Molecular Biology of the Cell</i> , 2020 , 31, 768-781	3.5	3
9	Customizable live-cell imaging chambers for multimodal and multiplex fluorescence microscopy. <i>Biochemistry and Cell Biology</i> , 2020 , 98, 612-623	3.6	2
8	Having an Old Friend for Dinner: The Interplay between Apoptotic Cells and Efferocytes. <i>Cells</i> , 2021 , 10,	7.9	2
7	PACS-1 and adaptor protein-1 mediate ACTH trafficking to the regulated secretory pathway. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 507, 519-525	3.4	2
6	Quantification of Efferocytosis by Single-cell Fluorescence Microscopy. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	1
5	Optimizing Long-Term Live Cell Imaging.. <i>Methods in Molecular Biology</i> , 2022 , 2440, 57-73	1.4	1
4	Super-Resolution Imaging of G Protein-Coupled Receptors Using Ground State Depletion Microscopy. <i>Methods in Molecular Biology</i> , 2019 , 1947, 323-336	1.4	
3	Intraluminal crawling of neutrophils to emigration sites: a molecularly distinct process from adhesion in the recruitment cascade. <i>Journal of Cell Biology</i> , 2006 , 175, i13-i13	7.3	
2	Contribution of phosphatidylserine to membrane surface charge and protein targeting during phagosome maturation. <i>Journal of General Physiology</i> , 2009 , 134, i1-i1	3.4	

- 1 Monitoring Cellular Responses to Infection with Fluorescent Biosensors.. *Methods in Molecular Biology*, **2022**, 2440, 99-114 1.4