

Sharon Dewitt

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,018
citations

623734

14
h-index

501196

28
g-index

32
all docs

32
docs citations

32
times ranked

1569
citing authors

#	ARTICLE	IF	CITATIONS
1	Adhesion and signaling by B cell-derived exosomes: the role of integrins. <i>FASEB Journal</i> , 2004, 18, 977-979.	0.5	280
2	Cytosolic free Ca ²⁺ changes and calpain activation are required for β 2 integrin-accelerated phagocytosis by human neutrophils. <i>Journal of Cell Biology</i> , 2002, 159, 181-189.	5.2	109
3	Ironing out the wrinkles of neutrophil phagocytosis. <i>Trends in Cell Biology</i> , 2007, 17, 209-214.	7.9	81
4	Localised PtdIns(3,4,5)P3 or PtdIns(3,4)P2 at the phagocytic cup is required for both phagosome closure and Ca ²⁺ signalling in HL60 neutrophils. <i>Journal of Cell Science</i> , 2006, 119, 443-451.	2.0	66
5	Phagosomal oxidative activity during β 2 integrin (CR3)-mediated phagocytosis by neutrophils is triggered by a non-restricted Ca ²⁺ signal: Ca ²⁺ controls time not space. <i>Journal of Cell Science</i> , 2003, 116, 2857-2865.	2.0	59
6	Leukocyte membrane expansion a central mechanism for leukocyte extravasation. <i>Journal of Leukocyte Biology</i> , 2007, 81, 1160-1164.	3.3	55
7	Reduced iC3b-mediated phagocytotic capacity of pulmonary neutrophils in cystic fibrosis. <i>Clinical and Experimental Immunology</i> , 2005, 142, 68-75.	2.6	47
8	P2X7 receptor activation regulates rapid unconventional export of transglutaminase-2. <i>Journal of Cell Science</i> , 2015, 128, 4615-28.	2.0	34
9	Chemotaxis and the cell surface-area problem. <i>Nature Reviews Molecular Cell Biology</i> , 2008, 9, 662-662.	37.0	33
10	<i>In vivo</i> functional analysis and genetic modification of <i>in vitro</i> derived mouse neutrophils. <i>FASEB Journal</i> , 2011, 25, 1972-1982.	0.5	33
11	Techniques for measuring and manipulating free Ca ²⁺ in the cytosol and organelles of neutrophils. <i>Journal of Immunological Methods</i> , 1999, 232, 77-88.	1.4	32
12	Ca ²⁺ and calpain control membrane expansion during rapid cell spreading of neutrophils. <i>Journal of Cell Science</i> , 2013, 126, 4627-35.	2.0	27
13	Translocation or just location? Pseudopodia affect fluorescent signals. <i>Journal of Cell Biology</i> , 2009, 184, 197-203.	5.2	26
14	Differential regulation of TROP2 release by PKC isoforms through vesicles and ADAM17. <i>Cellular Signalling</i> , 2015, 27, 1325-1335.	3.6	26
15	Exclusion of exogenous phosphatidylinositol(3,4,5)trisphosphate from neutrophil-polarizing pseudopodia: stabilization of the uropod and cell polarity. <i>EMBO Reports</i> , 2003, 4, 982-988.	4.5	14
16	Topographical interrogation of the living cell surface reveals its role in rapid cell shape changes during phagocytosis and spreading. <i>Scientific Reports</i> , 2017, 7, 9790.	3.3	14
17	Cytosolic Ca ²⁺ Measurement and Imaging in Inflammatory Cells. , 2003, 225, 47-60.		10
18	Minimal impact electro-injection of cells undergoing dynamic shape change reveals calpain activation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 1182-1187.	4.1	9

#	ARTICLE	IF	CITATIONS
19	Membrane Tension and the Role of Ezrin During Phagocytosis. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1246, 83-102.	1.6	9
20	Ca ²⁺ influx shutdown in neutrophils induced by Fas (CD95) cross-linking. <i>Immunology</i> , 2004, 112, 454-460.	4.4	8
21	A Reporter of UV Intensity Delivered to the Cytosol during Photolytic Uncaging. <i>Biophysical Journal</i> , 2010, 98, L25-L27.	0.5	8
22	Calpain Activation by Ca ²⁺ and Its Role in Phagocytosis. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1246, 129-151.	1.6	7
23	Phagocytosis by Inflammatory Phagocytes Experimental Strategies for Stimulation and Quantification. , 2003, 225, 35-46.		6
24	Optical complexities of living cytoplasm - implications for live cell imaging and photo-micromanipulation techniques. <i>Journal of Microscopy</i> , 2011, 241, 221-224.	1.8	6
25	Optical Methods for the Measurement and Manipulation of Cytosolic Free Calcium in Neutrophils. <i>Methods in Molecular Biology</i> , 2007, 412, 125-137.	0.9	6
26	Ca ²⁺ , calpain and 3-phosphorylated phosphatidyl inositides; decision-making signals in neutrophils as potential targets for therapeutics. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 56, 565-571.	2.4	5
27	Does neutrophil CD38 have a role in Ca ⁺⁺ signaling triggered by β_2 integrin?. <i>Nature Medicine</i> , 2002, 8, 307-307.	30.7	3
28	Cell surface topography controls phagocytosis and cell spreading: The membrane reservoir in neutrophils. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118832.	4.1	3
29	Optical Methods for the Measurement and Manipulation of Cytosolic Calcium Signals in Neutrophils. <i>Methods in Molecular Biology</i> , 2020, 2087, 191-205.	0.9	1
30	Microinjection and Micropipette-Controlled Phagocytosis Methods for Neutrophils. <i>Methods in Molecular Biology</i> , 2020, 2087, 117-125.	0.9	1
31	Optical Methods for the Measurement and Manipulation of Cytosolic Calcium Signals in Neutrophils. <i>Methods in Molecular Biology</i> , 2014, 1124, 107-120.	0.9	0