Sharon Dewitt

List of Publications by Year
in descending order

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	Cell surface topography controls phagocytosis and cell spreading: The membrane reservoir in neutrophils. Biochimica Et Biophysica Acta - Molecular Cell Research, 2020, 1867, 118832.	4.1	3
2	Optical Methods for the Measurement and Manipulation of Cytosolic Calcium Signals in Neutrophils. Methods in Molecular Biology, 2020, 2087, 191-205.	0.9	1
3	Microinjection and Micropipette-Controlled Phagocytosis Methods for Neutrophils. Methods in Molecular Biology, 2020, 2087, 117-125.	0.9	1
4	Calpain Activation by Ca2+ and Its Role in Phagocytosis. Advances in Experimental Medicine and Biology, 2020, 1246, 129-151.	1.6	7
5	Membrane Tension and the Role of Ezrin During Phagocytosis. Advances in Experimental Medicine and Biology, 2020, 1246, 83-102.	1.6	9
6	Topographical interrogation of the living cell surface reveals its role in rapid cell shape changes during phagocytosis and spreading. Scientific Reports, 2017, 7, 9790.	3.3	14
7	P2X7 receptor activation regulates rapid unconventional export of transglutaminase-2. Journal of Cell Science, 2015, 128, 4615-28.	2.0	34
8	Differential regulation of TROP2 release by PKC isoforms through vesicles and ADAM17. Cellular Signalling, 2015, 27, 1325-1335.	3.6	26
9	Minimal impact electro-injection of cells undergoing dynamic shape change reveals calpain activation. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 1182-1187.	4.1	9
10	Optical Methods for the Measurement and Manipulation of Cytosolic Calcium Signals in Neutrophils. Methods in Molecular Biology, 2014, 1124, 107-120.	0.9	0
11	Ca2+ and calpain control membrane expansion during rapid cell spreading of neutrophils. Journal of Cell Science, 2013, 126, 4627-35.	2.0	27
12	Optical complexities of living cytoplasm - implications for live cell imaging and photo-micromanipulation techniques. Journal of Microscopy, 2011, 241, 221-224.	1.8	6
13	In vivo functional analysis and genetic modification of in vitro â€derived mouse neutrophils. FASEB Journal, 2011, 25, 1972-1982.	0.5	33
14	Ca2+, calpain and 3-phosphorylated phosphatidyl inositides; decision-making signals in neutrophils as potential targets for therapeutics. Journal of Pharmacy and Pharmacology, 2010, 56, 565-571.	2.4	5
15	A Reporter of UV Intensity Delivered to the Cytosol during Photolytic Uncaging. Biophysical Journal, 2010, 98, L25-L27.	0.5	8
16	Translocation or just location? Pseudopodia affect fluorescent signals. Journal of Cell Biology, 2009, 184, 197-203.	5.2	26
17	Chemotaxis and the cell surface-area problem. Nature Reviews Molecular Cell Biology, 2008, 9, 662-662.	37.0	33
18	Leukocyte membrane â€œexpansionâ€• a central mechanism for leukocyte extravasation. Journal of Leukocyte Biology, 2007, 81, 1160-1164.	3.3	55

#	Article	IF	Citations
19	Ironing out the wrinkles of neutrophil phagocytosis. Trends in Cell Biology, 2007, 17, 209-214.	7.9	81
20	Optical Methods for the Measurement and Manipulation of Cytosolic Free Calcium in Neutrophils. Methods in Molecular Biology, 2007, 412, 125-137.	0.9	6
21	Localised PtdIns(3,4,5)P3 or PtdIns(3,4)P2 at the phagocytic cup is required for both phagosome closure and Ca2+ signalling in HL60 neutrophils. Journal of Cell Science, 2006, 119, 443-451.	2.0	66
22	Reduced iC3b-mediated phagocytotic capacity of pulmonary neutrophils in cystic fibrosis. Clinical and Experimental Immunology, 2005, 142, 68-75.	2.6	47
23	Adhesion and signaling by B cellâ€derived exosomes: the role of integrins. FASEB Journal, 2004, 18, 977-979.	0.5	280
24	Ca2+ influx shutdown in neutrophils induced by Fas (CD95) cross-linking. Immunology, 2004, 112, 454-460.	4.4	8
25	Exclusion of exogenous phosphatidylinositolâ€3,4,5â€trisphosphate from neutrophilâ€polarizing pseudopodia: stabilization of the uropod and cell polarity. EMBO Reports, 2003, 4, 982-988.	4.5	14
26	Phagocytosis by Inflammatory Phagocytes Experimental Strategies for Stimulation and Quantification. , 2003, 225, 35-46.		6
27	Phagosomal oxidative activity during Î²2 integrin (CR3)-mediated phagocytosis by neutrophils is triggered by a non-restricted Ca2+signal: Ca2+ controls time not space. Journal of Cell Science, 2003, 116, 2857-2865.	2.0	59
28	Cytosolic Ca²⁺ Measurement and Imaging in Inflammatory Cells. , 2003, 225, 47-60.		10
29	Cytosolic free Ca2+ changes and calpain activation are required for Î² integrinâ€“accelerated phagocytosis by human neutrophils. Journal of Cell Biology, 2002, 159, 181-189.	5.2	109
30	Does neutrophil CD38 have a role in Ca++ signaling triggered by Î²2 integrin?. Nature Medicine, 2002, 8, 307-307.	30.7	3
31	Techniques for measuring and manipulating free Ca2+ in the cytosol and organelles of neutrophils. Journal of Immunological Methods, 1999, 232, 77-88.	1.4	32