

Dianne Cox

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

37
papers

2,990
citations

26
h-index

37
g-index

37
ext. papers

3,314
ext. citations

6.3
avg, IF

4.77
L-index

#	Paper	IF	Citations
37	Macrophages promote the invasion of breast carcinoma cells via a colony-stimulating factor-1/epidermal growth factor paracrine loop. <i>Cancer Research</i> , 2005 , 65, 5278-83	10.1	581
36	Requirements for both Rac1 and Cdc42 in membrane ruffling and phagocytosis in leukocytes. <i>Journal of Experimental Medicine</i> , 1997 , 186, 1487-94	16.6	379
35	A requirement for phosphatidylinositol 3-kinase in pseudopod extension. <i>Journal of Biological Chemistry</i> , 1999 , 274, 1240-7	5.4	334
34	Myosin X is a downstream effector of PI(3)K during phagocytosis. <i>Nature Cell Biology</i> , 2002 , 4, 469-77	23.4	191
33	Generation of membrane structures during phagocytosis and chemotaxis of macrophages: role and regulation of the actin cytoskeleton. <i>Immunological Reviews</i> , 2013 , 256, 222-39	11.3	140
32	Targeted disruption of the ABP-120 gene leads to cells with altered motility. <i>Journal of Cell Biology</i> , 1992 , 116, 943-55	7.3	110
31	The EGF/CSF-1 paracrine invasion loop can be triggered by heregulin beta1 and CXCL12. <i>Cancer Research</i> , 2009 , 69, 3221-7	10.1	103
30	Cdc42 regulates Fc gamma receptor-mediated phagocytosis through the activation and phosphorylation of Wiskott-Aldrich syndrome protein (WASP) and neural-WASP. <i>Molecular Biology of the Cell</i> , 2009 , 20, 4500-8	3.5	90
29	Regulation of podosome dynamics by WASp phosphorylation: implication in matrix degradation and chemotaxis in macrophages. <i>Journal of Cell Science</i> , 2009 , 122, 3873-82	5.3	85
28	Contribution of CXCL12 secretion to invasion of breast cancer cells. <i>Breast Cancer Research</i> , 2012 , 14, R23	8.3	79
27	Exosomes and nanotubes: Control of immune cell communication. <i>International Journal of Biochemistry and Cell Biology</i> , 2016 , 71, 44-54	5.6	76
26	Invasive breast carcinoma cells from patients exhibit MenalNV- and macrophage-dependent transendothelial migration. <i>Science Signaling</i> , 2014 , 7, ra112	8.8	68
25	A WAVE2-Abi1 complex mediates CSF-1-induced F-actin-rich membrane protrusions and migration in macrophages. <i>Journal of Cell Science</i> , 2005 , 118, 5369-79	5.3	68
24	Genetic deletion of ABP-120 alters the three-dimensional organization of actin filaments in Dictyostelium pseudopods. <i>Journal of Cell Biology</i> , 1995 , 128, 819-35	7.3	67
23	The Role of Rho-GTPases and actin polymerization during Macrophage Tunneling Nanotube Biogenesis. <i>Scientific Reports</i> , 2017 , 7, 8547	4.9	62
22	Membrane targeting of WAVE2 is not sufficient for WAVE2-dependent actin polymerization: a role for IRSp53 in mediating the interaction between Rac and WAVE2. <i>Journal of Cell Science</i> , 2008 , 121, 379-90	5.3	61
21	Blood vessel endothelium-directed tumor cell streaming in breast tumors requires the HGF/C-Met signaling pathway. <i>Oncogene</i> , 2017 , 36, 2680-2692	9.2	53

20	Re-expression of ABP-120 rescues cytoskeletal, motility, and phagocytosis defects of ABP-120- <i>Dictyostelium</i> mutants. <i>Molecular Biology of the Cell</i> , 1996 , 7, 803-23	3.5	53
19	Synonymous modification results in high-fidelity gene expression of repetitive protein and nucleotide sequences. <i>Genes and Development</i> , 2015 , 29, 876-86	12.6	50
18	Tunneling nanotubes, a novel mode of tumor cell-macrophage communication in tumor cell invasion. <i>Journal of Cell Science</i> , 2019 , 132,	5.3	48
17	Reconstitution of in vivo macrophage-tumor cell pairing and streaming motility on one-dimensional micro-patterned substrates. <i>Intravital</i> , 2012 , 1, 77-85		39
16	Wiskott-Aldrich syndrome protein regulates leukocyte-dependent breast cancer metastasis. <i>Cell Reports</i> , 2013 , 4, 429-36	10.6	36
15	A new genetically encoded single-chain biosensor for Cdc42 based on FRET, useful for live-cell imaging. <i>PLoS ONE</i> , 2014 , 9, e96469	3.7	35
14	The mechanism of CSF-1-induced Wiskott-Aldrich syndrome protein activation in vivo: a role for phosphatidylinositol 3-kinase and Cdc42. <i>Journal of Biological Chemistry</i> , 2009 , 284, 23302-11	5.4	30
13	The chemotactic defect in wiskott-Aldrich syndrome macrophages is due to the reduced persistence of directional protrusions. <i>PLoS ONE</i> , 2012 , 7, e30033	3.7	28
12	Regulation of tyrosine phosphorylation in macrophage phagocytosis and chemotaxis. <i>Archives of Biochemistry and Biophysics</i> , 2011 , 510, 101-11	4.1	27
11	N-WASP has the ability to compensate for the loss of WASP in macrophage podosome formation and chemotaxis. <i>Experimental Cell Research</i> , 2010 , 316, 3406-16	4.2	26
10	Tyrosine phosphorylation of Wiskott-Aldrich syndrome protein (WASP) by Hck regulates macrophage function. <i>Journal of Biological Chemistry</i> , 2014 , 289, 7897-906	5.4	17
9	Optical Tools To Study the Isoform-Specific Roles of Small GTPases in Immune Cells. <i>Journal of Immunology</i> , 2016 , 196, 3479-93	5.3	15
8	An in vitro one-dimensional assay to study growth factor-regulated tumor cell-macrophage interaction. <i>Methods in Molecular Biology</i> , 2014 , 1172, 115-23	1.4	8
7	Differential regulation of rho GTPases during lung adenocarcinoma migration and invasion reveals a novel role of the tumor suppressor StarD13 in invadopodia regulation. <i>Cell Communication and Signaling</i> , 2020 , 18, 144	7.5	8
6	Macrophages enhance 3D invasion in a breast cancer cell line by induction of tumor cell tunneling nanotubes. <i>Cancer Reports</i> , 2019 , 2, e1213	1.5	7
5	Using Fluorescence Resonance Energy Transfer-Based Biosensors to Probe Rho GTPase Activation During Phagocytosis. <i>Methods in Molecular Biology</i> , 2017 , 1519, 125-143	1.4	6
4	Characterization of Genetically Encoded FRET Biosensors for Rho-Family GTPases. <i>Methods in Molecular Biology</i> , 2018 , 1821, 87-106	1.4	3
3	Spatio-temporal mapping of mechanical force generated by macrophages during FcR-dependent phagocytosis reveals adaptation to target stiffness		3

2	Microscopic Methods for Analysis of Macrophage-Induced Tunneling Nanotubes. <i>Methods in Molecular Biology</i> , 2020 , 2108, 273-279	1.4	3
1	Optogenetics: Rho GTPases Activated by Light in Living Macrophages. <i>Methods in Molecular Biology</i> , 2020 , 2108, 281-293	1.4	1