

# Janis K Burkhardt

## List of Publications by Year in descending order

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90  
papers

7,111  
citations

50276

46  
h-index

58581

82  
g-index

95  
all docs

95  
docs citations

95  
times ranked

7578  
citing authors

#	ARTICLE	IF	CITATIONS
1	Overexpression of the Dynamitin (p50) Subunit of the Dynactin Complex Disrupts Dynein-dependent Maintenance of Membrane Organelle Distribution. <i>Journal of Cell Biology</i> , 1997, 139, 469-484.	5.2	598
2	Molecular Ordering of the Initial Signaling Events of CD95. <i>Molecular and Cellular Biology</i> , 2002, 22, 207-220.	2.3	367
3	The Actin Cytoskeleton in T Cell Activation. <i>Annual Review of Immunology</i> , 2008, 26, 233-259.	21.8	284
4	ERM-Dependent Movement of CD43 Defines a Novel Protein Complex Distal to the Immunological Synapse. <i>Immunity</i> , 2001, 15, 739-750.	14.3	239
5	The WAVE2 Complex Regulates Actin Cytoskeletal Reorganization and CRAC-Mediated Calcium Entry during T Cell Activation. <i>Current Biology</i> , 2006, 16, 24-34.	3.9	225
6	Molecular Requirements for Bi-directional Movement of Phagosomes Along Microtubules. <i>Journal of Cell Biology</i> , 1997, 137, 113-129.	5.2	212
7	HS1 Functions as an Essential Actin-Regulatory Adaptor Protein at the Immune Synapse. <i>Immunity</i> , 2006, 24, 741-752.	14.3	203
8	F-actin polymerization and retrograde flow drive sustained PLC $\beta$ 3 signaling during T cell activation. <i>Journal of Cell Biology</i> , 2012, 197, 775-787.	5.2	203
9	Actin foci facilitate activation of the phospholipase C- $\beta$ 3 in primary T lymphocytes via the WASP pathway. <i>ELife</i> , 2015, 4, .	6.0	200
10	Involvement of microtubule motors in basolateral and apical transport in kidney cells. <i>Nature</i> , 1994, 372, 801-803.	27.8	180
11	F-actin flow drives affinity maturation and spatial organization of LFA-1 at the immunological synapse. <i>Journal of Cell Biology</i> , 2015, 208, 475-491.	5.2	167
12	Spatial Organization of Signal Transduction Molecules in the NK Cell Immune Synapses During MHC Class I-Regulated Noncytolytic and Cytolytic Interactions. <i>Journal of Immunology</i> , 2001, 167, 4358-4367.	0.8	161
13	SLP-76 Coordinates Nck-Dependent Wiskott-Aldrich Syndrome Protein Recruitment with Vav-1/Cdc42-Dependent Wiskott-Aldrich Syndrome Protein Activation at the T Cell-APC Contact Site. <i>Journal of Immunology</i> , 2003, 171, 1360-1368.	0.8	158
14	The dendritic cell cytoskeleton promotes T cell adhesion and activation by constraining ICAM-1 mobility. <i>Journal of Cell Biology</i> , 2015, 208, 457-473.	5.2	146
15	WASP Recruitment to the T Cell:APC Contact Site Occurs Independently of Cdc42 Activation. <i>Immunity</i> , 2001, 15, 249-259.	14.3	144
16	Dynammin 2 regulates T cell activation by controlling actin polymerization at the immunological synapse. <i>Nature Immunology</i> , 2005, 6, 261-270.	14.5	137
17	Itk Functions to Control Actin Polymerization at the Immune Synapse through Localized Activation of Cdc42 and WASP. <i>Current Biology</i> , 2003, 13, 1619-1624.	3.9	121
18	Kinase-Independent Functions for Itk in TCR-Induced Regulation of Vav and the Actin Cytoskeleton. <i>Journal of Immunology</i> , 2005, 174, 1385-1392.	0.8	121

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19	Ezrin and Moesin Function Together to Promote T Cell Activation. <i>Journal of Immunology</i> , 2009, 182, 1021-1032.	0.8	116
20	Action and Traction: Cytoskeletal Control of Receptor Triggering at the Immunological Synapse. <i>Frontiers in Immunology</i> , 2016, 7, 68.	4.8	114
21	Differential Roles for Wiskott-Aldrich Syndrome Protein in Immune Synapse Formation and IL-2 Production. <i>Journal of Immunology</i> , 2004, 173, 1658-1662.	0.8	111
22	Superantigen-Induced T Cell:B Cell Conjugation Is Mediated by LFA-1 and Requires Signaling Through Lck, But Not ZAP-70. <i>Journal of Immunology</i> , 2001, 167, 5708-5718.	0.8	109
23	A standard for calibration and shading correction of a fluorescence microscope. <i>Cytometry</i> , 2001, 44, 309-316.	1.8	106
24	Physiological Control of Smooth Muscle-specific Gene Expression through Regulated Nuclear Translocation of Serum Response Factor. <i>Journal of Biological Chemistry</i> , 2000, 275, 30387-30393.	3.4	104
25	Asymmetric B Cell Division in the Germinal Center Reaction. <i>Science</i> , 2012, 335, 342-344.	12.6	101
26	The role of microtubule-based motor proteins in maintaining the structure and function of the Golgi complex. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1998, 1404, 113-126.	4.1	99
27	Myosin Va Bound to Phagosomes Binds to F-Actin and Delays Microtubule-dependent Motility. <i>Molecular Biology of the Cell</i> , 2001, 12, 2742-2755.	2.1	91
28	Calcium influx through CRAC channels controls actin organization and dynamics at the immune synapse. <i>ELife</i> , 2016, 5, .	6.0	91
29	The regulation of actin remodeling during T-cell-APC conjugate formation. <i>Immunological Reviews</i> , 2002, 186, 90-99.	6.0	89
30	Antigen-independent activation enhances the efficacy of 4-1BB-costimulated CD22 CAR T cells. <i>Nature Medicine</i> , 2021, 27, 842-850.	30.7	88
31	The distal pole complex: a novel membrane domain distal to the immunological synapse. <i>Immunological Reviews</i> , 2002, 189, 111-122.	6.0	84
32	Ezrin regulates NHE3 translocation and activation after Na <sup>+</sup> -glucose cotransport. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 9485-9490.	7.1	82
33	Cutting Edge: Asymmetric Memory T Cell Division in Response to Rechallenge. <i>Journal of Immunology</i> , 2012, 188, 4145-4148.	0.8	79
34	Fascin1 Promotes Cell Migration of Mature Dendritic Cells. <i>Journal of Immunology</i> , 2011, 186, 2850-2859.	0.8	74
35	Microtubule-associated Protein-dependent Binding of Phagosomes to Microtubules. <i>Journal of Biological Chemistry</i> , 1996, 271, 3803-3811.	3.4	73
36	The c-Abl tyrosine kinase regulates actin remodeling at the immune synapse. <i>Blood</i> , 2008, 112, 111-119.	1.4	71

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37	T-cell-receptor-dependent actin regulatory mechanisms. <i>Journal of Cell Science</i> , 2007, 120, 723-730.	2.0	70
38	Interactions among HCLS1, HAX1 and LEF-1 proteins are essential for G-CSF-triggered granulopoiesis. <i>Nature Medicine</i> , 2012, 18, 1550-1559.	30.7	70
39	Coordinate control of cytoskeletal remodeling and calcium mobilization during T cell activation. <i>Immunological Reviews</i> , 2013, 256, 80-94.	6.0	69
40	Integrins Modulate T Cell Receptor Signaling by Constraining Actin Flow at the Immunological Synapse. <i>Frontiers in Immunology</i> , 2018, 9, 25.	4.8	69
41	Regulation of Cytoskeletal Dynamics at the Immune Synapse: New Stars Join the Actin Troupe. <i>Traffic</i> , 2006, 7, 1451-1460.	2.7	67
42	HEM1 deficiency disrupts mTORC2 and F-actin control in inherited immunodysregulatory disease. <i>Science</i> , 2020, 369, 202-207.	12.6	65
43	Multiple actin networks coordinate mechanotransduction at the immunological synapse. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	64
44	Mouse T cell priming is enhanced by maturation-dependent stiffening of the dendritic cell cortex. <i>ELife</i> , 2020, 9, .	6.0	58
45	Ligand Mobility Modulates Immunological Synapse Formation and T Cell Activation. <i>PLoS ONE</i> , 2012, 7, e32398.	2.5	55
46	Regulatory T Cells Require TCR Signaling for Their Suppressive Function. <i>Journal of Immunology</i> , 2015, 194, 4362-4370.	0.8	53
47	Deficiency of ADAP/Fyb/SLAP-130 Destabilizes SKAP55 in Jurkat T Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 23576-23583.	3.4	52
48	Controversy and consensus regarding myosin II function at the immunological synapse. <i>Current Opinion in Immunology</i> , 2013, 25, 300-306.	5.5	47
49	Ezrin/Radixin/Moesin Proteins and Flotillins Cooperate to Promote Uropod Formation in T Cells. <i>Frontiers in Immunology</i> , 2013, 4, 84.	4.8	47
50	CRK proteins selectively regulate T cell migration into inflamed tissues. <i>Journal of Clinical Investigation</i> , 2015, 125, 1019-1032.	8.2	46
51	The Actin Cytoskeleton: A Mechanical Intermediate for Signal Integration at the Immunological Synapse. <i>Frontiers in Cell and Developmental Biology</i> , 2018, 6, 116.	3.7	45
52	Hematopoietic Lineage Cell-Specific Protein 1 Functions in Concert with the Wiskott-Aldrich Syndrome Protein To Promote Podosome Array Organization and Chemotaxis in Dendritic Cells. <i>Journal of Immunology</i> , 2011, 186, 4805-4818.	0.8	43
53	The Cytoskeletal Adaptor Protein IQGAP1 Regulates TCR-Mediated Signaling and Filamentous Actin Dynamics. <i>Journal of Immunology</i> , 2012, 188, 6135-6144.	0.8	43
54	CD43 Regulation of T Cell Activation Is Not through Steric Inhibition of T Cell-APC Interactions but through an Intracellular Mechanism. <i>Journal of Experimental Medicine</i> , 2004, 199, 1277-1283.	8.5	42

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55	Hematopoietic Lineage Cell-Specific Protein 1 Is Recruited to the Immunological Synapse by IL-2-Inducible T Cell Kinase and Regulates Phospholipase C $\beta$ 1 Microcluster Dynamics during T Cell Spreading. <i>Journal of Immunology</i> , 2009, 183, 7352-7361.	0.8	41
56	PI3K regulates pleckstrin-2 in T-cell cytoskeletal reorganization. <i>Blood</i> , 2007, 109, 1147-1155.	1.4	36
57	Crk adaptor proteins mediate actin-dependent T cell migration and mechanosensing induced by the integrin LFA-1. <i>Science Signaling</i> , 2018, 11, .	3.6	33
58	Cryptosporidium rhoptry effector protein ROP1 injected during invasion targets the host cytoskeletal modulator LMO7. <i>Cell Host and Microbe</i> , 2021, 29, 1407-1420.e5.	11.0	33
59	In search of membrane receptors for microtubule-based motors – is kinectin a kinesin receptor?. <i>Trends in Cell Biology</i> , 1996, 6, 127-131.	7.9	32
60	Formation of STIM and Orai complexes: puncta and distal caps. <i>Immunological Reviews</i> , 2009, 231, 148-159.	6.0	31
61	Oncogene-independent BCR-like signaling adaptation confers drug resistance in Ph-like ALL. <i>Journal of Clinical Investigation</i> , 2020, 130, 3637-3653.	8.2	30
62	Gaining insight into a complex organelle, the phagosome, using two-dimensional gel electrophoresis. <i>Electrophoresis</i> , 1995, 16, 2249-2257.	2.4	29
63	Ezrin and Moesin Are Required for Efficient T Cell Adhesion and Homing to Lymphoid Organs. <i>PLoS ONE</i> , 2013, 8, e52368.	2.5	27
64	LFA-1 signals to promote actin polymerization and upstream migration in T cells. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	26
65	Characterization of In Vivo Dlg1 Deletion on T Cell Development and Function. <i>PLoS ONE</i> , 2012, 7, e45276.	2.5	26
66	The Actin Regulatory Protein HS1 Is Required for Antigen Uptake and Presentation by Dendritic Cells. <i>Journal of Immunology</i> , 2011, 187, 5952-5963.	0.8	21
67	Murine chronic graft-versus-host disease proteome profiling discovers CCL15 as a novel biomarker in patients. <i>Blood</i> , 2018, 131, 1743-1754.	1.4	21
68	Analyzing Actin Dynamics at the Immunological Synapse. <i>Methods in Molecular Biology</i> , 2017, 1584, 7-29.	0.9	20
69	Lymphocyte egress signal sphingosine-1-phosphate promotes ERM-guided, bleb-based migration. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	20
70	The Arp2/3 complex binding protein HS1 is required for efficient dendritic cell random migration and force generation. <i>Integrative Biology (United Kingdom)</i> , 2017, 9, 695-708.	1.3	19
71	Cytoskeletal function in the immune system. <i>Immunological Reviews</i> , 2013, 256, 5-9.	6.0	14
72	Single Chain Variable Fragment Linker Length Regulates CAR Biology and T Cell Efficacy. <i>Blood</i> , 2019, 134, 247-247.	1.4	11

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73	Discs Large Homolog 1 Splice Variants Regulate p38 $\alpha$ -Dependent and $\beta$ -Independent Effector Functions in CD8+ T Cells. PLoS ONE, 2015, 10, e0133353.	2.5	11
74	Cutting Edge: Murine NK Cells Degranulate and Retain Cytotoxic Function without Store-Operated Calcium Entry. Journal of Immunology, 2017, 199, 1973-1978.	0.8	10
75	The Importance of Microtubules in Determination of Shape and Intracellular Distribution of Peroxisomes. Annals of the New York Academy of Sciences, 1996, 804, 669-671.	3.8	9
76	Ezrin Is Highly Expressed in Early Thymocytes, but Dispensable for T Cell Development in Mice. PLoS ONE, 2010, 5, e12404.	2.5	8
77	Lymphocyte Signaling Converges on Microtubules. Immunity, 2011, 34, 825-827.	14.3	8
78	Motile Dendritic Cells Sense and Respond to Substrate Geometry. Annals of Biomedical Engineering, 2018, 46, 1348-1361.	2.5	7
79	Ectromelia-encoded virulence factor C15 specifically inhibits antigen presentation to CD4+ T cells post peptide loading. PLoS Pathogens, 2020, 16, e1008685.	4.7	5
80	Integrins Put the Brakes on Microcluster Dynamics at the Immunological Synapse. Immunity, 2008, 28, 732-734.	14.3	4
81	CrkL is required for donor T cell migration to GvHD target organs. Oncotarget, 2020, 11, 1505-1514.	1.8	4
82	Stromal Notch ligands foster lymphopenia-driven functional plasticity and homeostatic proliferation of naive B cells. Journal of Clinical Investigation, 2022, 132, .	8.2	4
83	Microvillar loss: when your pERM won't hold. Blood, 2003, 102, 3856-3857.	1.4	2
84	Seeing Is Believing: Sorting Out Signaling Events at the Immunological Synapse. Journal of Immunology, 2015, 194, 4059-4060.	0.8	1
85	Embracing the Enemy: Cell-to-Cell Force Transmission Enhances Cytotoxicity. Developmental Cell, 2016, 36, 592-594.	7.0	1
86	Microtubule Dependent Transport and Fusion of Phagosomes with the Endocytic Pathway. , 1995, , 211-222.		1
87	Oncogene-Independent Adaptation of Pre-B Cell Receptor Signaling Confers Drug Resistance and Signaling Plasticity in Ph-like ALL. Blood, 2019, 134, 747-747.	1.4	1
88	A Murine Model of X-Linked Moesin-Associated Immunodeficiency (X-MAID) Reveals Defects in T Cell Homeostasis and Migration. Frontiers in Immunology, 2021, 12, 726406.	4.8	1
89	Na <sup>+</sup> -glucose cotransport triggers ezrin phosphorylation via a P38 MAP kinase-dependent pathway. Gastroenterology, 2003, 124, A312-A313.	1.3	0
90	New G-CSF-Dependent Signaling Pathway and Its Role In Patients with Severe Congenital Neutropenia and Acute Myeloid Leukemia. Blood, 2010, 116, 385-385.	1.4	0