

Waldemar Kolanus

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

7,351
citations

71102

41
h-index

64796

79
g-index

82
all docs

82
docs citations

82
times ranked

12803
citing authors

#	ARTICLE	IF	CITATIONS
1	Impaired neurogenesis alters brain biomechanics in a neuroprogenitor-based genetic subtype of congenital hydrocephalus. <i>Nature Neuroscience</i> , 2022, 25, 458-473.	14.8	46
2	Interferon-induced GTPases orchestrate host cell-autonomous defence against bacterial pathogens. <i>Biochemical Society Transactions</i> , 2021, 49, 1287-1297.	3.4	15
3	TRIM71 Deficiency Causes Germ Cell Loss During Mouse Embryogenesis and Is Associated With Human Male Infertility. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 658966.	3.7	17
4	The stem cell-specific protein TRIM71 inhibits maturation and activity of the prodifferentiation miRNA let-7 via two independent molecular mechanisms. <i>Rna</i> , 2021, 27, 805-828.	3.5	12
5	Ultra-Thin Porous PDLA Films Promote Generation, Maintenance, and Viability of Stem Cell Spheroids. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 674384.	4.1	2
6	Maintaining proteostasis under mechanical stress. <i>EMBO Reports</i> , 2021, 22, e52507.	4.5	28
7	NCX1 represents an ionic Na ⁺ sensing mechanism in macrophages. <i>PLoS Biology</i> , 2020, 18, e3000722.	5.6	22
8	The mRNA repressor TRIM71 cooperates with Nonsense-Mediated Decay factors to destabilize the mRNA of CDKN1A/p21. <i>Nucleic Acids Research</i> , 2019, 47, 11861-11879.	14.5	22
9	Cytohesin-3 is required for full insulin receptor signaling and controls body weight via lipid excretion. <i>Scientific Reports</i> , 2019, 9, 3442.	3.3	3
10	SOCS1 and SOCS3 Target IRF7 Degradation To Suppress TLR7-Mediated Type I IFN Production of Human Plasmacytoid Dendritic Cells. <i>Journal of Immunology</i> , 2018, 200, 4024-4035.	0.8	53
11	The PDL1-inducible GTPase Arl4d controls T effector function by limiting IL-2 production. <i>Scientific Reports</i> , 2018, 8, 16123.	3.3	13
12	Ceramide synthase 2 facilitates S1P-dependent egress of thymocytes into the circulation in mice. <i>European Journal of Immunology</i> , 2017, 47, 677-684.	2.9	14
13	CD8 ⁺ T Cells Orchestrate pDC-XCR1 ⁺ Dendritic Cell Spatial and Functional Cooperativity to Optimize Priming. <i>Immunity</i> , 2017, 46, 205-219.	14.3	278
14	The ubiquitin ligase LIN41/TRIM71 targets p53 to antagonize cell death and differentiation pathways during stem cell differentiation. <i>Cell Death and Differentiation</i> , 2017, 24, 1063-1078.	11.2	60
15	Amplification of N-Myc is associated with a T-cell-poor microenvironment in metastatic neuroblastoma restraining interferon pathway activity and chemokine expression. <i>Oncotarget</i> , 2017, 6, e1320626.	4.6	89
16	Hyperosmolarity impedes the cross-priming competence of dendritic cells in a TRIF-dependent manner. <i>Scientific Reports</i> , 2017, 7, 311.	3.3	14
17	MAPK Signaling and Inflammation Link Melanoma Phenotype Switching to Induction of CD73 during Immunotherapy. <i>Cancer Research</i> , 2017, 77, 4697-4709.	0.9	126
18	Cellular Differentiation of Human Monocytes Is Regulated by Time-Dependent Interleukin-4 Signaling and the Transcriptional Regulator NCOR2. <i>Immunity</i> , 2017, 47, 1051-1066.e12.	14.3	133

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19	Dynamin2 controls Rap1 activation and integrin clustering in human T lymphocyte adhesion. PLoS ONE, 2017, 12, e0172443.	2.5	9
20	N-glycosylation converts non-glycoproteins into mannose receptor ligands and reveals antigen-specific T cell responses <i>in vivo</i> . Oncotarget, 2017, 8, 6857-6872.	1.8	12
21	Simulating Parabolic Flight like g-Profiles on Ground - A Combination of Centrifuge and Clinostat. Microgravity Science and Technology, 2016, 28, 231-235.	1.4	6
22	Mannose receptor induces T-cell tolerance via inhibition of CD45 and up-regulation of CTLA-4. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 10649-10654.	7.1	78
23	Co-existence of intact stemness and priming of neural differentiation programs in mES cells lacking Trim71. Scientific Reports, 2015, 5, 11126.	3.3	39
24	Syk phosphorylation is a gravisensitive step in macrophage signalling. Cell Communication and Signaling, 2015, 13, 9.	6.5	36
25	The JAK Inhibitor Ruxolitinib Impairs Dendritic Cell Migration Via Off-Target Inhibition of Rock. Blood, 2015, 126, 3423-3423.	1.4	0
26	Liver Sinusoidal Endothelial Cell-Mediated CD8 T Cell Priming Depends on Co-Inhibitory Signal Integration over Time. PLoS ONE, 2014, 9, e99574.	2.5	8
27	Ultraviolet-radiation-induced inflammation promotes angiogenesis and metastasis in melanoma. Nature, 2014, 507, 109-113.	27.8	547
28	Crosstalk between Sentinel and Helper Macrophages Permits Neutrophil Migration into Infected Uroepithelium. Cell, 2014, 156, 456-468.	28.9	203
29	The cytohesin paralog Sec7 of Dictyostelium discoideum is required for phagocytosis and cell motility. Cell Communication and Signaling, 2013, 11, 54.	6.5	8
30	Cellular Mechanotransduction Relies on Tension-Induced and Chaperone-Assisted Autophagy. Current Biology, 2013, 23, 430-435.	3.9	246
31	Vav1 regulates MHCII expression in murine resting and activated B cells. International Immunology, 2013, 25, 307-317.	4.0	3
32	Atad3 Function Is Essential for Early Post-Implantation Development in the Mouse. PLoS ONE, 2013, 8, e54799.	2.5	40
33	Salt-Dependent Chemotaxis of Macrophages. PLoS ONE, 2013, 8, e73439.	2.5	67
34	Rapid hierarchical assembly of medium-size DNA cassettes. Nucleic Acids Research, 2012, 40, e92-e92.	14.5	24
35	Repression of the genome organizer SATB1 in regulatory T cells is required for suppressive function and inhibition of effector differentiation. Nature Immunology, 2011, 12, 898-907.	14.5	179
36	CD81 is essential for the formation of membrane protrusions and regulates Rac1-activation in adhesion-dependent immune cell migration. Blood, 2011, 118, 1818-1827.	1.4	61

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37	Mannose receptor polyubiquitination regulates endosomal recruitment of p97 and cytosolic antigen translocation for cross-presentation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 9933-9938.	7.1	79
38	Toxicity of ethylene combustion condensates is directly proportional to their carbon content. <i>Toxicology</i> , 2010, 269, 35-40.	4.2	3
39	Alternative cross-priming through CCL17-CCR4-mediated attraction of CTLs toward NKT cell-licensed DCs. <i>Nature Immunology</i> , 2010, 11, 313-320.	14.5	204
40	Four-and-a-Half LIM Domain Protein 2 Is a Novel Regulator of Sphingosine 1-Phosphate Receptor 1 in CCL19-Induced Dendritic Cell Migration. <i>Journal of Immunology</i> , 2010, 185, 1466-1475.	0.8	35
41	Requirement of CCL17 for CCR7- and CXCR4-dependent migration of cutaneous dendritic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 8736-8741.	7.1	99
42	Myeloid Cell-Restricted Insulin Receptor Deficiency Protects Against Obesity-Induced Inflammation and Systemic Insulin Resistance. <i>PLoS Genetics</i> , 2010, 6, e1000938.	3.5	92
43	Targeting Multifunctional Proteins by Virtual Screening: Structurally Diverse Cytohesin Inhibitors with Differentiated Biological Functions. <i>ACS Chemical Biology</i> , 2010, 5, 839-849.	3.4	34
44	A Cytohesin Homolog in Dictyostelium Amoebae. <i>PLoS ONE</i> , 2010, 5, e9378.	2.5	8
45	The nuclear receptor PPAR γ selectively inhibits Th17 differentiation in a T cell-intrinsic fashion and suppresses CNS autoimmunity. <i>Journal of Experimental Medicine</i> , 2009, 206, 2079-2089.	8.5	287
46	Systemic antigen cross-presented by liver sinusoidal endothelial cells induces liver-specific CD8 T-cell retention and tolerization. <i>Hepatology</i> , 2009, 49, 1664-1672.	7.3	79
47	Cytohesin-1 controls the activation of RhoA and modulates integrin-dependent adhesion and migration of dendritic cells. <i>Blood</i> , 2009, 113, 5801-5810.	1.4	57
48	The NHL-domain protein Wech is crucial for the integrin-cytoskeleton link. <i>Nature Cell Biology</i> , 2008, 10, 422-428.	10.3	60
49	Transfer of T Cell Surface Molecules to Dendritic Cells upon CD4+ T Cell Priming Involves Two Distinct Mechanisms. <i>Journal of Immunology</i> , 2008, 181, 3965-3973.	0.8	29
50	Peroxisome Proliferator-Activated Receptor γ Control of Dendritic Cell Function Contributes to Development of CD4+ T Cell Anergy. <i>Journal of Immunology</i> , 2007, 178, 2122-2131.	0.8	108
51	Guanine nucleotide exchange factors of the cytohesin family and their roles in signal transduction. <i>Immunological Reviews</i> , 2007, 218, 102-113.	6.0	78
52	Inhibition of cytohesins by SecinH3 leads to hepatic insulin resistance. <i>Nature</i> , 2006, 444, 941-944.	27.8	225
53	Dendritic cells take up viral antigens but do not support the early steps of hepatitis B virus infection. <i>Hepatology</i> , 2006, 43, 539-547.	7.3	101
54	Lymphocyte arrest requires instantaneous induction of an extended LFA-1 conformation mediated by endothelium-bound chemokines. <i>Nature Immunology</i> , 2005, 6, 497-506.	14.5	361

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55	Discriminatory aptamer reveals serum response element transcription regulated by cytohesin-2. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 11221-11226.	7.1	66
56	HIV-1 Nef Mimics an Integrin Receptor Signal that Recruits the Polycomb Group Protein Eed to the Plasma Membrane. Molecular Cell, 2004, 13, 179-190.	9.7	73
57	A spectrum of biophysical interaction modes between T cells and different antigen-presenting cells during priming in 3-D collagen and in vivo. Blood, 2004, 104, 2801-2809.	1.4	119
58	Attenuation of cell adhesion in lymphocytes is regulated by CYTIP, a protein which mediates signal complex sequestration. EMBO Journal, 2003, 22, 1014-1024.	7.8	74
59	Interaction with Factor Associated with Neutral Sphingomyelinase Activation, a WD Motif-Containing Protein, Identifies Receptor for Activated C-Kinase 1 as a Novel Component of the Signaling Pathways of the p55 TNF Receptor. Journal of Immunology, 2002, 169, 5161-5170.	0.8	42
60	Molecular Events Associated with CD4-mediated Down-regulation of LFA-1-dependent Adhesion. Journal of Biological Chemistry, 2002, 277, 1276-1283.	3.4	11
61	Role of β 3-endonexin in the regulation of NF- κ B-dependent expression of urokinase-type plasminogen activator receptor. Journal of Cell Science, 2002, 115, 3879-3888.	2.0	17
62	Signaling by Human Herpesvirus 8 kaposin A through Direct Membrane Recruitment of cytohesin-1. Molecular Cell, 2001, 7, 833-843.	9.7	118
63	Cytohesin-1 is a dynamic regulator of distinct LFA-1 functions in leukocyte arrest and transmigration triggered by chemokines. Current Biology, 2001, 11, 1969-1974.	3.9	56
64	Cloning of ACP33 as a Novel Intracellular Ligand of CD4. Journal of Biological Chemistry, 2001, 276, 9123-9132.	3.4	35
65	Calcium Signaling through the β 2-Cytoplasmic Domain of LFA-1 Requires Intracellular Elements of the T Cell Receptor Complex. Journal of Biological Chemistry, 2001, 276, 42945-42956.	3.4	11
66	Actin Cytoskeletal Association of Cytohesin-1 Is Regulated by Specific Phosphorylation of Its Carboxyl-terminal Polybasic Domain. Journal of Biological Chemistry, 2001, 276, 37472-37481.	3.4	34
67	Phosphoinositides determine specificity of the guanine-nucleotide exchange activity of cytohesin-1 for ADP-ribosylation factors derived from a mammalian expression system. FEBS Journal, 2000, 267, 3784-3791.	0.2	23
68	Anergic T Lymphocytes Selectively Express an Integrin Regulatory Protein of the Cytohesin Family. Journal of Immunology, 2000, 164, 308-318.	0.8	31
69	Induction of Fas Ligand Expression by HIV Involves the Interaction of Nef with the T Cell Receptor β Chain. Journal of Experimental Medicine, 1999, 189, 1489-1496.	8.5	231
70	The Human WD Repeat Protein WAIT-1 Specifically Interacts with the Cytoplasmic Tails of β 7-Integrins. Journal of Biological Chemistry, 1998, 273, 27459-27466.	3.4	49
71	T Cell Activation Induced by Novel Gain-of-function Mutants of Syk and ZAP-70. Journal of Biological Chemistry, 1998, 273, 15445-15452.	3.4	36
72	Phosphoinositide 3-OH Kinase Activates the β 2Integrin Adhesion Pathway and Induces Membrane Recruitment of Cytohesin-1. Journal of Biological Chemistry, 1998, 273, 14853-14861.	3.4	137

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73	The PH Domain and the Polybasic c Domain of Cytohesin-1 Cooperate specifically in Plasma Membrane Association and Cellular Function. <i>Molecular Biology of the Cell</i> , 1998, 9, 1981-1994.	2.1	85
74	Integrins and inside-out signal transduction: converging signals from PKC and PIP3. <i>Current Opinion in Cell Biology</i> , 1997, 9, 725-731.	5.4	128
75	Î±LÎ²2 Integrin/LFA-1 Binding to ICAM-1 Induced by Cytohesin-1, a Cytoplasmic Regulatory Molecule. <i>Cell</i> , 1996, 86, 233-242.	28.9	430
76	FAN, a Novel WD-Repeat Protein, Couples the p55 TNF-Receptor to Neutral Sphingomyelinase. <i>Cell</i> , 1996, 86, 937-947.	28.9	375
77	The Human Low Affinity Immunoglobulin G Fc Receptor III-A and III-B Genes. <i>Journal of Biological Chemistry</i> , 1995, 270, 1350-1361.	3.4	35
78	T cell activation by clustered tyrosine kinases. <i>Cell</i> , 1993, 74, 171-183.	28.9	372
79	TiÎ³A+Î”TCS1+ T cells in human thymus. Analysis of the T cell receptor. <i>European Journal of Immunology</i> , 1992, 22, 1947-1950.	2.9	1
80	CD62/P-selectin recognition of myeloid and tumor cell sulfatides. <i>Cell</i> , 1991, 67, 35-44.	28.9	309