Waldemar Kolanus

List of Publications by Year
in descending order

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	Ultraviolet-radiation-induced inflammation promotes angiotropism and metastasis in melanoma. Nature, 2014, 507, 109-113.	27.8	547
2	Î±LÎ²2 Integrin/LFA-1 Binding to ICAM-1 Induced by Cytohesin-1, a Cytoplasmic Regulatory Molecule. Cell, 1996, 86, 233-242.	28.9	430
3	FAN, a Novel WD-Repeat Protein, Couples the p55 TNF-Receptor to Neutral Sphingomyelinase. Cell, 1996, 86, 937-947.	28.9	375
4	T cell activation by clustered tyrosine kinases. Cell, 1993, 74, 171-183.	28.9	372
5	Lymphocyte arrest requires instantaneous induction of an extended LFA-1 conformation mediated by endothelium-bound chemokines. Nature Immunology, 2005, 6, 497-506.	14.5	361
6	CD62/P-selectin recognition of myeloid and tumor cell sulfatides. Cell, 1991, 67, 35-44.	28.9	309
7	The nuclear receptor PPARÎ³ selectively inhibits Th17 differentiation in a T cellâ€“intrinsic fashion and suppresses CNS autoimmunity. Journal of Experimental Medicine, 2009, 206, 2079-2089.	8.5	287
8	CD8+ T Cells Orchestrate pDC-XCR1+ Dendritic Cell Spatial and Functional Cooperativity to Optimize Priming. Immunity, 2017, 46, 205-219.	14.3	278
9	Cellular Mechanotransduction Relies on Tension-Induced and Chaperone-Assisted Autophagy. Current Biology, 2013, 23, 430-435.	3.9	246
10	Induction of Fas Ligand Expression by HIV Involves the Interaction of Nef with the T Cell Receptor Î¶ Chain. Journal of Experimental Medicine, 1999, 189, 1489-1496.	8.5	231
11	Inhibition of cytohesins by SecinH3 leads to hepatic insulin resistance. Nature, 2006, 444, 941-944.	27.8	225
12	Alternative cross-priming through CCL17-CCR4-mediated attraction of CTLs toward NKT cellâ€“licensed DCs. Nature Immunology, 2010, 11, 313-320.	14.5	204
13	Crosstalk between Sentinel and Helper Macrophages Permits Neutrophil Migration into Infected Uroepithelium. Cell, 2014, 156, 456-468.	28.9	203
14	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
15	Phosphoinositide 3-OH Kinase Activates the Î²2Integrin Adhesion Pathway and Induces Membrane Recruitment of Cytohesin-1. Journal of Biological Chemistry, 1998, 273, 14853-14861.	3.4	137
16	Cellular Differentiation of Human Monocytes Is Regulated by Time-Dependent Interleukin-4 Signaling and the Transcriptional Regulator NCOR2. Immunity, 2017, 47, 1051-1066.e12.	14.3	133
17	Integrins and inside-out signal transduction: converging signals from PKC and PIP3. Current Opinion in Cell Biology, 1997, 9, 725-731.	5.4	128
18	MAPK Signaling and Inflammation Link Melanoma Phenotype Switching to Induction of CD73 during Immunotherapy. Cancer Research, 2017, 77, 4697-4709.	0.9	126

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19	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
20	Signaling by Human Herpesvirus 8 kaposin A through Direct Membrane Recruitment of cytohesin-1. Molecular Cell, 2001, 7, 833-843.	9.7	118
21	Peroxisome Proliferator-Activated Receptor Î³ Control of Dendritic Cell Function Contributes to Development of CD4+ T Cell Anergy. Journal of Immunology, 2007, 178, 2122-2131.	0.8	108
22	Dendritic cells take up viral antigens but do not support the early steps of hepatitis B virus infection. Hepatology, 2006, 43, 539-547.	7.3	101
23	Requirement of CCL17 for CCR7- and CXCR4-dependent migration of cutaneous dendritic cells. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8736-8741.	7.1	99
24	Myeloid Cell-Restricted Insulin Receptor Deficiency Protects Against Obesity-Induced Inflammation and Systemic Insulin Resistance. PLoS Genetics, 2010, 6, e1000938.	3.5	92
25	Amplification of N-Myc is associated with a T-cell-poor microenvironment in metastatic neuroblastoma restraining interferon pathway activity and chemokine expression. OncoImmunology, 2017, 6, e1320626.	4.6	89
26	The PH Domain and the Polybasic c Domain of Cytohesin-1 Cooperate specifically in Plasma Membrane Association and Cellular Function. Molecular Biology of the Cell, 1998, 9, 1981-1994.	2.1	85
27	Systemic antigen cross-presented by liver sinusoidal endothelial cells induces liver-specific CD8 T-cell retention and tolerization. Hepatology, 2009, 49, 1664-1672.	7.3	79
28	Mannose receptor polyubiquitination regulates endosomal recruitment of p97 and cytosolic antigen translocation for cross-presentation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9933-9938.	7.1	79
29	Guanine nucleotide exchange factors of the cytohesin family and their roles in signal transduction. Immunological Reviews, 2007, 218, 102-113.	6.0	78
30	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
31	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
32	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
33	Salt-Dependent Chemotaxis of Macrophages. PLoS ONE, 2013, 8, e73439.	2.5	67
34	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
35	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
36	The NHL-domain protein Wech is crucial for the integrinâ€“cytoskeleton link. Nature Cell Biology, 2008, 10, 422-428.	10.3	60

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37	The ubiquitin ligase LIN41/TRIM71 targets p53 to antagonize cell death and differentiation pathways during stem cell differentiation. Cell Death and Differentiation, 2017, 24, 1063-1078.	11.2	60
38	Cytohesin-1 controls the activation of RhoA and modulates integrin-dependent adhesion and migration of dendritic cells. Blood, 2009, 113, 5801-5810.	1.4	57
39	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
40	SOCS1 and SOCS3 Target IRF7 Degradation To Suppress TLR7-Mediated Type I IFN Production of Human Plasmacytoid Dendritic Cells. Journal of Immunology, 2018, 200, 4024-4035.	0.8	53
41	The Human WD Repeat Protein WAIT-1 Specifically Interacts with the Cytoplasmic Tails of Î²7-Integrins. Journal of Biological Chemistry, 1998, 273, 27459-27466.	3.4	49
42	Impaired neurogenesis alters brain biomechanics in a neuroprogenitor-based genetic subtype of congenital hydrocephalus. Nature Neuroscience, 2022, 25, 458-473.	14.8	46
43	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
44	Atad3 Function Is Essential for Early Post-Implantation Development in the Mouse. PLoS ONE, 2013, 8, e54799.	2.5	40
45	Co-existence of intact stemness and priming of neural differentiation programs in mES cells lacking Trim71. Scientific Reports, 2015, 5, 11126.	3.3	39
46	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
47	Syk phosphorylation â€“ a gravisensitive step in macrophage signalling. Cell Communication and Signaling, 2015, 13, 9.	6.5	36
48	The Human Low Affinity Immunoglobulin G Fc Receptor III-A and III-B Genes. Journal of Biological Chemistry, 1995, 270, 1350-1361.	3.4	35
49	Cloning of ACP33 as a Novel Intracellular Ligand of CD4. Journal of Biological Chemistry, 2001, 276, 9123-9132.	3.4	35
50	Four-and-a-Half LIM Domain Protein 2 Is a Novel Regulator of Sphingosine 1-Phosphate Receptor 1 in CCL19-Induced Dendritic Cell Migration. Journal of Immunology, 2010, 185, 1466-1475.	0.8	35
51	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
52	Targeting Multifunctional Proteins by Virtual Screening: Structurally Diverse Cytohesin Inhibitors with Differentiated Biological Functions. ACS Chemical Biology, 2010, 5, 839-849.	3.4	34
53	Anergic T Lymphocytes Selectively Express an Integrin Regulatory Protein of the Cytohesin Family. Journal of Immunology, 2000, 164, 308-318.	0.8	31
54	Transfer of T Cell Surface Molecules to Dendritic Cells upon CD4+ T Cell Priming Involves Two Distinct Mechanisms. Journal of Immunology, 2008, 181, 3965-3973.	0.8	29

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55	Maintaining proteostasis under mechanical stress. EMBO Reports, 2021, 22, e52507.	4.5	28
56	Rapid hierarchical assembly of medium-size DNA cassettes. Nucleic Acids Research, 2012, 40, e92-e92.	14.5	24
57	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
58	The mRNA repressor TRIM71 cooperates with Nonsense-Mediated Decay factors to destabilize the mRNA of CDKN1A/p21. Nucleic Acids Research, 2019, 47, 11861-11879.	14.5	22
59	NCX1 represents an ionic Na+ sensing mechanism in macrophages. PLoS Biology, 2020, 18, e3000722.	5.6	22
60	Role of Î²3-endonexin in the regulation of NF-ÎºB-dependent expression of urokinase-type plasminogen activator receptor. Journal of Cell Science, 2002, 115, 3879-3888.	2.0	17
61	TRIM71 Deficiency Causes Germ Cell Loss During Mouse Embryogenesis and Is Associated With Human Male Infertility. Frontiers in Cell and Developmental Biology, 2021, 9, 658966.	3.7	17
62	Interferon-induced GTPases orchestrate host cell-autonomous defence against bacterial pathogens. Biochemical Society Transactions, 2021, 49, 1287-1297.	3.4	15
63	Ceramide synthase 2 facilitates S1Pâ€dependent egress of thymocytes into the circulation in mice. European Journal of Immunology, 2017, 47, 677-684.	2.9	14
64	Hyperosmolarity impedes the cross-priming competence of dendritic cells in a TRIF-dependent manner. Scientific Reports, 2017, 7, 311.	3.3	14
65	The PDL1-inducible GTPase Arl4d controls T effector function by limiting IL-2 production. Scientific Reports, 2018, 8, 16123.	3.3	13
66	The stem cellâ€“specific protein TRIM71 inhibits maturation and activity of the prodifferentiation miRNA let-7 via two independent molecular mechanisms. Rna, 2021, 27, 805-828.	3.5	12
67	N-glycosylation converts non-glycoproteins into mannose receptor ligands and reveals antigen-specific T cell responses in vivo. Oncotarget, 2017, 8, 6857-6872.	1.8	12
68	Calcium Signaling through the Î²2-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
69	Molecular Events Associated with CD4-mediated Down-regulation of LFA-1-dependent Adhesion. Journal of Biological Chemistry, 2002, 277, 1276-1283.	3.4	11
70	Dynamin2 controls Rap1 activation and integrin clustering in human T lymphocyte adhesion. PLoS ONE, 2017, 12, e0172443.	2.5	9
71	The cytohesin paralog Sec7 of Dictyostelium discoideum is required for phagocytosis and cell motility. Cell Communication and Signaling, 2013, 11, 54.	6.5	8
72	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

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73	A Cytohesin Homolog in Dictyostelium Amoebae. PLoS ONE, 2010, 5, e9378.	2.5	8
74	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
75	Toxicity of ethylene combustion condensates is directly proportional to their carbon content. Toxicology, 2010, 269, 35-40.	4.2	3
76	Vav1 regulates MHCII expression in murine resting and activated B cells. International Immunology, 2013, 25, 307-317.	4.0	3
77	Cytohesin-3 is required for full insulin receptor signaling and controls body weight via lipid excretion. Scientific Reports, 2019, 9, 3442.	3.3	3
78	Ultra-Thin Porous PDLLA Films Promote Generation, Maintenance, and Viability of Stem Cell Spheroids. Frontiers in Bioengineering and Biotechnology, 2021, 9, 674384.	4.1	2
79	TiÎ³A+ÎTCS1+ T cells in human thymus. Analysis of the T cell receptor. European Journal of Immunology, 1992, 22, 1947-1950.	2.9	1
80	The JAK Inhibitor Ruxolitinib Impairs Dendritic Cell Migration Via Off-Target Inhibition of Rock. Blood, 2015, 126, 3423-3423.	1.4	0