

# Ralf Jacob

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6822444/publications.pdf>

Version: 2024-02-01

48  
papers

2,669  
citations

218677

26  
h-index

214800

47  
g-index

52  
all docs

52  
docs citations

52  
times ranked

3342  
citing authors

#	ARTICLE	IF	CITATIONS
1	Galectins at a glance. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	423
2	Requirement for Galectin-3 in Apical Protein Sorting. <i>Current Biology</i> , 2006, 16, 408-414.	3.9	179
3	O-linked glycans mediate apical sorting of human intestinal sucrase-isomaltase through association with lipid rafts. <i>Current Biology</i> , 1999, 9, 593-S2.	3.9	154
4	Apical Sorting by Galectin-3-Dependent Glycoprotein Clustering. <i>Traffic</i> , 2007, 8, 379-388.	2.7	145
5	The Role of Galectins in Protein Trafficking. <i>Traffic</i> , 2009, 10, 1405-1413.	2.7	141
6	Influenza Virus Adaptation PB2-627K Modulates Nucleocapsid Inhibition by the Pathogen Sensor RIG-I. <i>Cell Host and Microbe</i> , 2015, 17, 309-319.	11.0	118
7	Nuclear Trapping through Inhibition of Exosomal Export by Indomethacin Increases Cytostatic Efficacy of Doxorubicin and Pixantrone. <i>Clinical Cancer Research</i> , 2016, 22, 395-404.	7.0	111
8	Apical membrane proteins are transported in distinct vesicular carriers. <i>Current Biology</i> , 2001, 11, 1444-1450.	3.9	107
9	Molecular mechanism to recruit galectin-3 into multivesicular bodies for polarized exosomal secretion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E4396-E4405.	7.1	98
10	Annexin II Is Required for Apical Transport in Polarized Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 3680-3684.	3.4	83
11	Structural Determinants Required for Apical Sorting of an Intestinal Brush-border Membrane Protein. <i>Journal of Biological Chemistry</i> , 2000, 275, 6566-6572.	3.4	74
12	Distinct Cytoskeletal Tracks Direct Individual Vesicle Populations to the Apical Membrane of Epithelial Cells. <i>Current Biology</i> , 2003, 13, 607-612.	3.9	68
13	Loss of galectin-3 impairs membrane polarisation of mouse enterocytes in vivo. <i>Journal of Cell Science</i> , 2008, 121, 458-465.	2.0	67
14	Intestinal Dipeptidyl Peptidase IV Is Efficiently Sorted to the Apical Membrane through the Concerted Action of N- and O-Glycans as Well as Association with Lipid Microdomains. <i>Journal of Biological Chemistry</i> , 2002, 277, 10683-10690.	3.4	58
15	Î±-Kinase 1, a New Component in Apical Protein Transport. <i>Journal of Biological Chemistry</i> , 2005, 280, 25637-25643.	3.4	58
16	Evidence for functional and dynamic microcompartmentation of Cav-1/TRPV4/KCa in caveolae of endothelial cells. <i>European Journal of Cell Biology</i> , 2015, 94, 391-400.	3.6	55
17	Trafficking of galectin-3 through endosomal organelles of polarized and non-polarized cells. <i>European Journal of Cell Biology</i> , 2010, 89, 788-798.	3.6	49
18	Galectin-3 interacts with components of the nuclear ribonucleoprotein complex. <i>BMC Cancer</i> , 2016, 16, 502.	2.6	48

#	ARTICLE	IF	CITATIONS
19	Apical Cargo Traverses Endosomal Compartments on the Passage to the Cell Surface. <i>Traffic</i> , 2008, 9, 2206-2220.	2.7	46
20	Galectin-3, a Novel Centrosome-associated Protein, Required for Epithelial Morphogenesis. <i>Molecular Biology of the Cell</i> , 2010, 21, 219-231.	2.1	45
21	pH-Dependent Recycling of Galectin-3 at the Apical Membrane of Epithelial Cells. <i>Traffic</i> , 2013, 14, 1014-1027.	2.7	45
22	Dietary cellulose induces anti-inflammatory immunity and transcriptional programs via maturation of the intestinal microbiota. <i>Gut Microbes</i> , 2020, 12, 1829962.	9.8	35
23	Hierarchy of Sorting Signals in Chimeras of Intestinal Lactase-Phlorizin Hydrolase and the Influenza Virus Hemagglutinin. <i>Journal of Biological Chemistry</i> , 1999, 274, 8061-8067.	3.4	34
24	Galectins in Intra- and Extracellular Vesicles. <i>Biomolecules</i> , 2020, 10, 1232.	4.0	33
25	Additional N-Glycosylation and Its Impact on the Folding of Intestinal Lactase-phlorizin Hydrolase. <i>Journal of Biological Chemistry</i> , 2000, 275, 10630-10637.	3.4	31
26	Recycling of galectin-3 in epithelial cells. <i>European Journal of Cell Biology</i> , 2015, 94, 309-315.	3.6	28
27	Sec16 alternative splicing dynamically controls COPII transport efficiency. <i>Nature Communications</i> , 2016, 7, 12347.	12.8	26
28	The dynamic recruitment of TRBP to neuronal membranes mediates dendritogenesis during development. <i>EMBO Reports</i> , 2018, 19, .	4.5	26
29	KIF5C, a kinesin motor involved in apical trafficking of MDCK cells. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 1331-1342.	5.4	25
30	Dynamin-like protein 1 at the Golgi complex: A novel component of the sorting/targeting machinery en route to the plasma membrane. <i>Experimental Cell Research</i> , 2010, 316, 3454-3467.	2.6	25
31	Tubulin detyrosination promotes monolayer formation and apical trafficking in epithelial cells. <i>Journal of Cell Science</i> , 2012, 125, 5998-6008.	2.0	25
32	PTK7 localization and protein stability is affected by canonical Wnt ligands. <i>Journal of Cell Science</i> , 2017, 130, 1890-1903.	2.0	23
33	Ligand binding and complex formation of galectin-3 is modulated by pH variations. <i>Biochemical Journal</i> , 2014, 457, 107-115.	3.7	22
34	Galectin-3 modulates the polarized surface delivery of $\beta$ 1-integrin in epithelial cells. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	22
35	Intestinal development and homeostasis require activation and apoptosis of diet-reactive T cells. <i>Journal of Clinical Investigation</i> , 2019, 129, 1972-1983.	8.2	22
36	Changes in the expression and subcellular distribution of galectin-3 in clear cell renal cell carcinoma. <i>Journal of Experimental and Clinical Cancer Research</i> , 2011, 30, 89.	8.6	21

#	ARTICLE	IF	CITATIONS
37	CDK1-mediated phosphorylation at H2B serine 6 is required for mitotic chromosome segregation. <i>Journal of Cell Biology</i> , 2019, 218, 1164-1181.	5.2	21
38	Polystyrene microplastic particles induce endothelial activation. <i>PLoS ONE</i> , 2021, 16, e0260181.	2.5	19
39	Epidermal growth factor-induced modulation of cytokeratin expression levels influences the morphological phenotype of head and neck squamous cell carcinoma cells. <i>Cell and Tissue Research</i> , 2013, 351, 59-72.	2.9	10
40	Annexin XIIIb guides raft-dependent and -independent apical traffic in MDCK cells. <i>European Journal of Cell Biology</i> , 2010, 89, 799-806.	3.6	9
41	The Large GTPase Mx1 Is Involved in Apical Transport in MDCK Cells. <i>Traffic</i> , 2014, 15, 983-996.	2.7	9
42	Immunohistochemical demonstration of connexins in the developing feather follicle of the chicken. <i>Acta Histochemica</i> , 2014, 116, 639-645.	1.8	6
43	Neoplastic Cells are the Major Source of MT-MMPs in IDH1-Mutant Glioma, Thus Enhancing Tumor-Cell Intrinsic Brain Infiltration. <i>Cancers</i> , 2020, 12, 2456.	3.7	6
44	Galectins. <i>Current Biology</i> , 2022, 32, R406-R408.	3.9	6
45	The large GTPase Mx1 binds Kif5B for cargo transport along microtubules. <i>Traffic</i> , 2018, 19, 947-964.	2.7	5
46	TTL-Expression Modulates Epithelial Morphogenesis. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 635723.	3.7	4
47	Indication for differential sorting of the rat v-SNARE splice isoforms VAMP-1a and -1b. <i>Biochemistry and Cell Biology</i> , 2017, 95, 500-509.	2.0	3
48	Examination of Galectin-3 Recruitment into Multivesicular Bodies for Exosomal Secretion. <i>Methods in Molecular Biology</i> , 2022, 2442, 413-424.	0.9	1