

Jack Fransen

List of Publications by Year in descending order

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71
papers

5,169
citations

117453

34
h-index

85405

71
g-index

75
all docs

75
docs citations

75
times ranked

6643
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescence <sc>CLEM</sc> in biology: historic developments and current super-resolution applications. <i>FEBS Letters</i> , 2022, 596, 2486-2496.	1.3	17
2	Modular actin nano-architecture enables podosome protrusion and mechanosensing. <i>Nature Communications</i> , 2019, 10, 5171.	5.8	56
3	PLD-dependent phosphatidic acid microdomains are signaling platforms for podosome formation. <i>Scientific Reports</i> , 2019, 9, 3556.	1.6	13
4	Super-Resolution Correlative Light and Electron Microscopy (SR-CLEM) Reveals Novel Ultrastructural Insights Into Dendritic Cell Podosomes. <i>Frontiers in Immunology</i> , 2018, 9, 1908.	2.2	43
5	Microbial stimulation of different Toll-like receptor signalling pathways induces diverse metabolic programmes in human monocytes. <i>Nature Microbiology</i> , 2017, 2, 16246.	5.9	228
6	Mitochondrial dysfunction in primary human fibroblasts triggers an adaptive cell survival program that requires AMPK. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 529-540.	1.8	40
7	Glucose Controls Morphodynamics of LPS-Stimulated Macrophages. <i>PLoS ONE</i> , 2014, 9, e96786.	1.1	57
8	NAMPT-Mediated Salvage Synthesis of NAD ⁺ Controls Morphofunctional Changes of Macrophages. <i>PLoS ONE</i> , 2014, 9, e97378.	1.1	38
9	Intracellular NAD(H) levels control motility and invasion of glioma cells. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 2175-2190.	2.4	42
10	Design and Analysis of Effects of Triplet Repeat Oligonucleotides in Cell Models for Myotonic Dystrophy. <i>Molecular Therapy - Nucleic Acids</i> , 2013, 2, e81.	2.3	42
11	Defective mitochondrial translation differently affects the live cell dynamics of complex I subunits. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011, 1807, 1624-1633.	0.5	13
12	Abnormal actomyosin assembly in proliferating and differentiating myoblasts upon expression of a cytosolic DMPK isoform. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011, 1813, 867-877.	1.9	14
13	Modulation of Cell Motility by Spatial Repositioning of Enzymatic ATP/ADP Exchange Capacity. <i>Journal of Biological Chemistry</i> , 2009, 284, 1620-1627.	1.6	62
14	PTPRR Protein Tyrosine Phosphatase Isoforms and Locomotion of Vesicles and Mice. <i>Cerebellum</i> , 2009, 8, 80-88.	1.4	36
15	Increased OXPHOS activity precedes rise in glycolytic rate in H-RasV12/E1A transformed fibroblasts that develop a Warburg phenotype. <i>Molecular Cancer</i> , 2009, 8, 54.	7.9	64
16	A Tail-Anchored Myotonic Dystrophy Protein Kinase Isoform Induces Perinuclear Clustering of Mitochondria, Autophagy, and Apoptosis. <i>PLoS ONE</i> , 2009, 4, e8024.	1.1	22
17	Cysts of PRKCSH mutated polycystic liver disease patients lack hepatocystin but express Sec63p. <i>Histochemistry and Cell Biology</i> , 2008, 129, 301-310.	0.8	28
18	Rab6 family proteins interact with the dynein light chain protein DYNLRB1. <i>Cytoskeleton</i> , 2008, 65, 183-196.	4.4	66

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19	Creatine kinase B deficient neurons exhibit an increased fraction of motile mitochondria. BMC Neuroscience, 2008, 9, 73.	0.8	22
20	Subunits of Mitochondrial Complex I Exist as Part of Matrix- and Membrane-associated Subcomplexes in Living Cells. Journal of Biological Chemistry, 2008, 283, 34753-34761.	1.6	59
21	Creatine Kinase-Mediated ATP Supply Fuels Actin-Based Events in Phagocytosis. PLoS Biology, 2008, 6, e51.	2.6	64
22	Inherited complex I deficiency is associated with faster protein diffusion in the matrix of moving mitochondria. American Journal of Physiology - Cell Physiology, 2008, 294, C1124-C1132.	2.1	30
23	ATP and FRET—a cautionary note. Nature Biotechnology, 2007, 25, 170-172.	9.4	41
24	Proteolytic processing of the receptor-type protein tyrosine phosphatase PTPBR7. FEBS Journal, 2007, 274, 96-108.	2.2	10
25	A role for the Rab6B Bicaudal-1 interaction in retrograde transport in neuronal cells. Experimental Cell Research, 2007, 313, 3408-3420.	1.2	59
26	Small GTPase Rab21 regulates cell adhesion and controls endosomal traffic of β 1-integrins. Journal of Cell Biology, 2006, 173, 767-780.	2.3	294
27	Organization of the Integrin LFA-1 in Nanoclusters Regulates Its Activity. Molecular Biology of the Cell, 2006, 17, 4270-4281.	0.9	118
28	Subcellular Localization and Differentiation-Induced Redistribution of the Protein Tyrosine Phosphatase PTP-BL in Neuroblastoma Cells. Cellular and Molecular Neurobiology, 2005, 25, 1225-1244.	1.7	4
29	Identification of a Rat Model for Usher Syndrome Type 1B by N-Ethyl-N-nitrosourea Mutagenesis-Driven Forward Genetics. Genetics, 2005, 170, 1887-1896.	1.2	24
30	Divergent Mitochondrial and Endoplasmic Reticulum Association of DMPK Splice Isoforms Depends on Unique Sequence Arrangements in Tail Anchors. Molecular and Cellular Biology, 2005, 25, 1402-1414.	1.1	27
31	The dendritic cell-derived protein DC-STAMP is highly conserved and localizes to the endoplasmic reticulum. Journal of Leukocyte Biology, 2005, 77, 337-343.	1.5	33
32	A role for the small GTPase Rab21 in the early endocytic pathway. Journal of Cell Science, 2004, 117, 6297-6311.	1.2	141
33	Characterization of multiple transcripts and isoforms derived from the mouse protein tyrosine phosphatase gene Ptprr. Genes To Cells, 2004, 9, 919-933.	0.5	25
34	Colocalisation of the protein tyrosine phosphatases PTP-SL and PTPBR7 with β 4-adaptin in neuronal cells. Histochemistry and Cell Biology, 2003, 119, 1-13.	0.8	15
35	Cloning and characterization of mCRIP2, a mouse LIM-only protein that interacts with PDZ domain IV of PTP-BL. Genes To Cells, 2003, 8, 631-644.	0.5	25
36	Adenylate Kinase 1 Deficiency Induces Molecular and Structural Adaptations to Support Muscle Energy Metabolism. Journal of Biological Chemistry, 2003, 278, 12937-12945.	1.6	44

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37	The Creatine Kinase System Is Essential for Optimal Refill of the Sarcoplasmic Reticulum Ca ²⁺ Store in Skeletal Muscle. <i>Journal of Biological Chemistry</i> , 2002, 277, 5275-5284.	1.6	49
38	The Dendritic Cell-Specific Adhesion Receptor DC-SIGN Internalizes Antigen for Presentation to T Cells. <i>Journal of Immunology</i> , 2002, 168, 2118-2126.	0.4	568
39	Accumulation of the Amyloid- β^2 Precursor Protein in Multivesicular Body-like Organelles. <i>Journal of Histochemistry and Cytochemistry</i> , 2002, 50, 681-690.	1.3	30
40	Creatine kinase B-driven energy transfer in the brain is important for habituation and spatial learning behaviour, mossy fibre field size and determination of seizure susceptibility. <i>European Journal of Neuroscience</i> , 2002, 15, 1692-1706.	1.2	141
41	The Cytoplasmic/Transmembrane Domain of Dipeptidyl Peptidase IV, A Type II Glycoprotein, Contains an Apical Targeting Signal That Does Not Specifically Interact with Lipid Rafts. <i>Experimental Cell Research</i> , 2001, 270, 45-55.	1.2	18
42	Expression of Rab small GTPases in epithelial Caco-2 cells: Rab21 is an apically located GTP-binding protein in polarised intestinal epithelial cells. <i>European Journal of Cell Biology</i> , 2000, 79, 308-316.	1.6	37
43	Transport and function of syntaxin 3 in human epithelial intestinal cells. <i>American Journal of Physiology - Cell Physiology</i> , 2000, 279, C1239-C1248.	2.1	36
44	The mouse Ptprr gene encodes two protein tyrosine phosphatases, PTP-SL and PTPBR7, that display distinct patterns of expression during neural development. <i>European Journal of Neuroscience</i> , 1999, 11, 3832-3844.	1.2	35
45	Effects of anabolic steroids on diaphragm impairment induced by methylprednisolone in emphysematous hamsters. <i>European Respiratory Journal</i> , 1999, 13, 1062.	3.1	13
46	Analysis of a naturally occurring mutation in sucrase-isomaltase: glutamine 1098 is not essential for transport to the surface of COS-1 cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1998, 1406, 299-306.	1.8	5
47	Routing and Processing of Lactase-Phlorizin Hydrolase in Transfected Caco-2 Cells. <i>Journal of Biological Chemistry</i> , 1998, 273, 6650-6655.	1.6	15
48	Impaired Mammary Gland Development and Function in Mice Lacking LAR Receptor-like Tyrosine Phosphatase Activity. <i>Developmental Biology</i> , 1997, 188, 134-146.	0.9	128
49	The Nucleoporin CAN/Nup214 Binds to both the Cytoplasmic and the Nucleoplasmic Sides of the Nuclear Pore Complex in Overexpressing Cells. <i>Experimental Cell Research</i> , 1997, 232, 182-185.	1.2	21
50	Polarised Expression of Human Intestinal N-benzoyl-L-tyrosyl-p-aminobenzoic Acid Hydrolase (Human) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.2	46
51	The human homologue of yeast CRM1 is in a dynamic subcomplex with CAN/Nup214 and a novel nuclear pore component Nup88. <i>EMBO Journal</i> , 1997, 16, 807-816.	3.5	441
52	Congenital sucrase-isomaltase deficiency. Identification of a glutamine to proline substitution that leads to a transport block of sucrase-isomaltase in a pre-Golgi compartment.. <i>Journal of Clinical Investigation</i> , 1996, 97, 633-641.	3.9	83
53	Effects of different treatment regimens of methylprednisolone on rat diaphragm contractility, immunohistochemistry and biochemistry. <i>European Respiratory Journal</i> , 1996, 9, 1217-1223.	3.1	14
54	Evaluation of pepsin treatment for electron microscopic RNA in situ hybridization on ultra-thin cryosections of cultured cells. <i>Histochemistry and Cell Biology</i> , 1996, 105, 139-145.	0.8	7

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55	Saponin pre-treatment in pre-embedding electron microscopic in situ hybridization for detection of specific RNA sequences in cultured cells: a methodological study.. <i>Journal of Histochemistry and Cytochemistry</i> , 1995, 43, 1005-1018.	1.3	21
56	Monitoring morphology and signal during non-radioactive in situ hybridization procedures by reflection-contrast microscopy and transmission electron microscopy.. <i>Journal of Histochemistry and Cytochemistry</i> , 1995, 43, 665-674.	1.3	10
57	Ultrastructural evidence for the axonal localization of caudodorsal cell hormone mRNA in the central nervous system of the mollusk <i>Lymnaea stagnalis</i> . <i>Microscopy Research and Technique</i> , 1993, 25, 12-18.	1.2	27
58	The Constitutive Exocytotic Pathway in Microvillous Atrophy. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 1993, 17, 239-246.	0.9	34
59	Electron microscopic detection of RNA sequences by non-radioactive in situ hybridization in the mollusk <i>Lymnaea stagnalis</i> .. <i>Journal of Histochemistry and Cytochemistry</i> , 1992, 40, 1647-1657.	1.3	24
60	Mannose 6-phosphate receptor independent targeting of lysosomal enzymes A mini-review. <i>Cell Biology International Reports</i> , 1991, 15, 1167-1173.	0.7	17
61	Effect of free fatty acids and detergents on H,K-ATPase. The steady-state ATP phosphorylation level and the orientation of the enzyme in membrane preparations. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1991, 1070, 283-292.	1.4	31
62	Application of the FITC-anti-FITC-gold system to ultrastructural localization of antigens.. <i>Journal of Histochemistry and Cytochemistry</i> , 1991, 39, 1725-1728.	1.3	16
63	Naturally occurring mutations in intestinal sucrase-isomaltase provide evidence for the existence of an intracellular sorting signal in the isomaltase subunit [published erratum appears in <i>J Cell Biol</i> 1991 Dec;115(5):following 1473]. <i>Journal of Cell Biology</i> , 1991, 115, 45-57.	2.3	65
64	Biogenesis of intestinal lactase-phlorizin hydrolase in adults with lactose intolerance. Evidence for reduced biosynthesis and slowed-down maturation in enterocytes.. <i>Journal of Clinical Investigation</i> , 1990, 86, 1329-1337.	3.9	70
65	N-benzoyl-L-tyrosyl-p-aminobenzoic acid hydrolase: A metalloendopeptidase of the human intestinal microvillus membrane which degrades biologically active peptides. <i>Archives of Biochemistry and Biophysics</i> , 1988, 265, 105-118.	1.4	95
66	A novel marker glycoprotein for the microvillus membrane of surface colonocytes of rat large intestine and its presence in small-intestinal crypt cells.. <i>Journal of Cell Biology</i> , 1988, 106, 1937-1946.	2.3	16
67	Identification, by a monoclonal antibody, of a 53-kD protein associated with a tubulo-vesicular compartment at the cis-side of the Golgi apparatus.. <i>Journal of Cell Biology</i> , 1988, 107, 1643-1653.	2.3	471
68	Ultrastructural localization of the circulating anodic antigen and the circulating cathodic antigen in the liver of mice infected with <i>Schistosoma mansoni</i> : A sequential study. <i>Experimental Parasitology</i> , 1987, 64, 499-509.	0.5	5
69	Expression and intracellular transport of microvillus membrane hydrolases in human intestinal epithelial cells.. <i>Journal of Cell Biology</i> , 1985, 101, 838-851.	2.3	484
70	Localization of the E1 B proteins of adenovirus 5 in transformed cells, as revealed by interaction with monoclonal antibodies. <i>Virology</i> , 1985, 142, 44-58.	1.1	155
71	Turnover of brush-border glycoproteins in human intestinal absorptive cells: Do lysosomes have a regulatory function?. <i>Cell Biology International Reports</i> , 1984, 8, 993-1014.	0.7	17