

Kees Jalink

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/966298/publications.pdf>

Version: 2024-02-01

98
papers

9,388
citations

44069

48
h-index

39675

94
g-index

146
all docs

146
docs citations

146
times ranked

12241
citing authors

#	ARTICLE	IF	CITATIONS
1	Time-Domain Fluorescence Lifetime Imaging of cAMP Levels with EPAC-Based FRET Sensors. <i>Methods in Molecular Biology</i> , 2022, 2483, 105-116.	0.9	0
2	Dynamic FRET-FLIM based screening of signal transduction pathways. <i>Scientific Reports</i> , 2021, 11, 20711.	3.3	6
3	Sequence-dependent trafficking and activity of GDE2, a GPI-specific phospholipase promoting neuronal differentiation. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	8
4	Modular actin nano-architecture enables podosome protrusion and mechanosensing. <i>Nature Communications</i> , 2019, 10, 5171.	12.8	56
5	Reactive astrocytes in multiple sclerosis impair neuronal outgrowth through TRPM7-mediated chondroitin sulfate proteoglycan production. <i>Glia</i> , 2019, 67, 68-77.	4.9	35
6	TRPM7 residue S1269 mediates cAMP dependence of Ca ²⁺ influx. <i>PLoS ONE</i> , 2019, 14, e0209563.	2.5	13
7	TRPM7 controls mesenchymal features of breast cancer cells by tensional regulation of SOX4. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 2409-2419.	3.8	29
8	Profilin binding couples chloride intracellular channel protein CLIC4 to RhoA-mediated signaling and filopodium formation. <i>Journal of Biological Chemistry</i> , 2018, 293, 19161-19176.	3.4	18
9	Spectral imaging of FRET-based sensors reveals sustained cAMP gradients in three spatial dimensions. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2018, 93, 1029-1038.	1.5	27
10	Enhancer hubs and loop collisions identified from single-allele topologies. <i>Nature Genetics</i> , 2018, 50, 1151-1160.	21.4	189
11	Schwann cells are activated by ATP released from neurons in an <i>in vitro</i> cellular model of Miller Fisher syndrome. <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 597-603.	2.4	16
12	Flat clathrin lattices are dynamic actin-controlled hubs for clathrin-mediated endocytosis and signalling of specific receptors. <i>Nature Communications</i> , 2017, 8, 16068.	12.8	93
13	Negative regulation of urokinase receptor activity by a GPI-specific phospholipase C in breast cancer cells. <i>ELife</i> , 2017, 6, .	6.0	43
14	ATP Released by Injured Neurons Activates Schwann Cells. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 134.	3.7	27
15	PFA fixation enables artifact-free super-resolution imaging of the actin cytoskeleton and associated proteins. <i>Biology Open</i> , 2016, 5, 1001-1009.	1.2	55
16	Hypersensitivity to DNA damage in antephase as a safeguard for genome stability. <i>Nature Communications</i> , 2016, 7, 12618.	12.8	28
17	siFLIM: single-image frequency-domain FLIM provides fast and photon-efficient lifetime data. <i>Nature Methods</i> , 2016, 13, 501-504.	19.0	48
18	Optotaxis: Caged Lysophosphatidic Acid Enables Optical Control of a Chemotactic Gradient. <i>Cell Chemical Biology</i> , 2016, 23, 629-634.	5.2	16

#	ARTICLE	IF	CITATIONS
19	Glycerophosphodiesterase GDE2 Promotes Neuroblastoma Differentiation through Glypican Release and Is a Marker of Clinical Outcome. <i>Cancer Cell</i> , 2016, 30, 548-562.	16.8	46
20	The TRPM7 interactome defines a cytoskeletal complex linked to neuroblastoma progression. <i>European Journal of Cell Biology</i> , 2016, 95, 465-474.	3.6	23
21	Intracellular tortuosity underlies slow cAMP diffusion in adult ventricular myocytes. <i>Cardiovascular Research</i> , 2016, 110, 395-407.	3.8	53
22	Rapid Remodeling of Invadosomes by Gi-coupled Receptors. <i>Journal of Biological Chemistry</i> , 2016, 291, 4323-4333.	3.4	41
23	Beyond ion-conduction: Channel-dependent and -independent roles of TRP channels during development and tissue homeostasis. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 1436-1446.	4.1	33
24	Optimizing Imaging Conditions for Demanding Multi-Color Super Resolution Localization Microscopy. <i>PLoS ONE</i> , 2016, 11, e0158884.	2.5	143
25	Fourth-Generation Epac-Based FRET Sensors for cAMP Feature Exceptional Brightness, Photostability and Dynamic Range: Characterization of Dedicated Sensors for FLIM, for Ratiometry and with High Affinity. <i>PLoS ONE</i> , 2015, 10, e0122513.	2.5	230
26	Co-Orientation: Quantifying Simultaneous Co-Localization and Orientational Alignment of Filaments in Light Microscopy. <i>PLoS ONE</i> , 2015, 10, e0131756.	2.5	21
27	MMP-2/9-Specific Activatable Lifetime Imaging Agent. <i>Sensors</i> , 2015, 15, 11076-11091.	3.8	6
28	REV7 counteracts DNA double-strand break resection and affects PARP inhibition. <i>Nature</i> , 2015, 521, 541-544.	27.8	487
29	The rod domain is not essential for the function of plectin in maintaining tissue integrity. <i>Molecular Biology of the Cell</i> , 2015, 26, 2402-2417.	2.1	18
30	Genome-wide Maps of Nuclear Lamina Interactions in Single Human Cells. <i>Cell</i> , 2015, 163, 134-147.	28.9	399
31	The molecular architecture of hemidesmosomes as revealed by super-resolution microscopy. <i>Journal of Cell Science</i> , 2015, 128, 3714-9.	2.0	32
32	Initiation of lamellipodia and ruffles involves cooperation between mDia1 and the Arp2/3 complex. <i>Journal of Cell Science</i> , 2015, 128, 3796-810.	2.0	79
33	Fluorescence Resonance Energy Transfer Microscopy (FRET). <i>Methods in Molecular Biology</i> , 2015, 1251, 67-82.	0.9	15
34	Recording Intracellular cAMP Levels with EPAC-Based FRET Sensors by Fluorescence Lifetime Imaging. <i>Methods in Molecular Biology</i> , 2015, 1294, 13-24.	0.9	7
35	TRPM7 maintains progenitor-like features of neuroblastoma cells: implications for metastasis formation. <i>Oncotarget</i> , 2015, 6, 8760-8776.	1.8	34
36	An Introduction to Fluorescence Imaging Techniques Geared Towards Biosensor Applications. <i>Methods in Molecular Biology</i> , 2014, 1071, 17-28.	0.9	14

#	ARTICLE	IF	CITATIONS
37	Function and regulation of the channel-kinase TRPM7 in health and disease. <i>European Journal of Cell Biology</i> , 2014, 93, 455-465.	3.6	66
38	Astral microtubules control redistribution of dynein at the cell cortex to facilitate spindle positioning. <i>Cell Cycle</i> , 2014, 13, 1162-1170.	2.6	29
39	CLIC4 regulates cell adhesion and β 1 integrin trafficking. <i>Journal of Cell Science</i> , 2014, 127, 5189-203.	2.0	50
40	An activatable, polarity dependent, dual-luminescent imaging agent with a long luminescence lifetime. <i>Chemical Communications</i> , 2014, 50, 9733-9736.	4.1	10
41	Dopaminergic Modulation of cAMP Drives Nonlinear Plasticity across the <i>Drosophila</i> Mushroom Body Lobes. <i>Current Biology</i> , 2014, 24, 822-831.	3.9	86
42	The fidelity of stochastic single-molecule super-resolution reconstructions critically depends upon robust background estimation. <i>Scientific Reports</i> , 2014, 4, 3854.	3.3	76
43	Detecting cAMP with an Epac-Based FRET Sensor in Single Living Cells. <i>Methods in Molecular Biology</i> , 2014, 1071, 49-58.	0.9	18
44	hiFRET: some tailwind for FRET resolves weak protein interactions. <i>Nature Methods</i> , 2013, 10, 947-948.	19.0	5
45	WAPL-Mediated Removal of Cohesin Protects against Segregation Errors and Aneuploidy. <i>Current Biology</i> , 2013, 23, 2071-2077.	3.9	71
46	TRPM7 triggers Ca^{2+} sparks and invadosome formation in neuroblastoma cells. <i>Cell Calcium</i> , 2013, 54, 404-415.	2.4	64
47	cAMP inhibits migration, ruffling and paxillin accumulation in focal adhesions of pancreatic ductal adenocarcinoma cells: Effects of PKA and EPAC. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 2664-2672.	4.1	44
48	The NO/cGMP pathway inhibits transient cAMP signals through the activation of PDE2 in striatal neurons. <i>Frontiers in Cellular Neuroscience</i> , 2013, 7, 211.	3.7	55
49	Modulated electron-multiplied fluorescence lifetime imaging microscope: all-solid-state camera for fluorescence lifetime imaging. <i>Journal of Biomedical Optics</i> , 2012, 17, 126020.	2.6	23
50	TRPM7 Is Required for Breast Tumor Cell Metastasis. <i>Cancer Research</i> , 2012, 72, 4250-4261.	0.9	186
51	A mTurquoise-Based cAMP Sensor for Both FLIM and Ratiometric Read-Out Has Improved Dynamic Range. <i>PLoS ONE</i> , 2011, 6, e19170.	2.5	172
52	Peptide-Functionalized Luminescent Iridium Complexes for Lifetime Imaging of CXCR4 Expression. <i>ChemBioChem</i> , 2011, 12, 1897-1903.	2.6	43
53	LPA Is a Chemorepellent for B16 Melanoma Cells: Action through the cAMP-Elevating LPA5 Receptor. <i>PLoS ONE</i> , 2011, 6, e29260.	2.5	67
54	G protein-coupled receptors: the inside story. <i>BioEssays</i> , 2010, 32, 13-16.	2.5	68

#	ARTICLE	IF	CITATIONS
55	Bright cyan fluorescent protein variants identified by fluorescence lifetime screening. <i>Nature Methods</i> , 2010, 7, 137-139.	19.0	258
56	Spatial Regulation of Cyclic AMP-Epac1 Signaling in Cell Adhesion by ERM Proteins. <i>Molecular and Cellular Biology</i> , 2010, 30, 5421-5431.	2.3	58
57	ATP Changes the Fluorescence Lifetime of Cyan Fluorescent Protein via an Interaction with His148. <i>PLoS ONE</i> , 2010, 5, e13862.	2.5	16
58	Parathyroid Hormone Activates TRPV5 via PKA-Dependent Phosphorylation. <i>Journal of the American Society of Nephrology: JASN</i> , 2009, 20, 1693-1704.	6.1	142
59	Direct Spatial Control of Epac1 by Cyclic AMP. <i>Molecular and Cellular Biology</i> , 2009, 29, 2521-2531.	2.3	81
60	Resistance to Antiestrogen Arzoxifene Is Mediated by Overexpression of Cyclin D1. <i>Molecular Endocrinology</i> , 2009, 23, 1335-1345.	3.7	27
61	Spatiotemporal Regulation of Chloride Intracellular Channel Protein CLIC4 by RhoA. <i>Molecular Biology of the Cell</i> , 2009, 20, 4664-4672.	2.1	47
62	Chapter 7 FilterFRET. <i>Laboratory Techniques in Biochemistry and Molecular Biology / Edited By T S Work [and] E Work</i> , 2009, , 289-349.	0.2	21
63	8â€pCPTâ€2â€â€Oâ€Meâ€cAMPâ€AM: An Improved Epacâ€Selective cAMP Analogue. <i>ChemBioChem</i> , 2008, 9, 2052-2054106	5.2	106
64	Investigation into the mechanism regulating MRP localization. <i>Experimental Cell Research</i> , 2008, 314, 330-341.	2.6	4
65	A Comparison of Donor-Acceptor Pairs for Genetically Encoded FRET Sensors: Application to the Epac cAMP Sensor as an Example. <i>PLoS ONE</i> , 2008, 3, e1916.	2.5	147
66	Regulation of connexin43 gap junctional communication by phosphatidylinositol 4,5-bisphosphate. <i>Journal of Cell Biology</i> , 2007, 177, 881-891.	5.2	74
67	Activation of TRPM7 Channels by Phospholipase C-coupled Receptor Agonists. <i>Journal of Biological Chemistry</i> , 2007, 282, 232-239.	3.4	111
68	Spatiotemporal Coupling of cAMP Transporter to CFTR Chloride Channel Function in the Gut Epithelia. <i>Cell</i> , 2007, 131, 940-951.	28.9	191
69	Intravital imaging of fluorescent markers and FRET probes by DNA tattooing. <i>BMC Biotechnology</i> , 2007, 7, 2.	3.3	23
70	PKA-induced resistance to tamoxifen is associated with an altered orientation of ERÎ± towards co-activator SRC-1. <i>EMBO Journal</i> , 2007, 26, 3534-3544.	7.8	110
71	Direct measurement of cyclic AMP diffusion and signaling through connexin43 gap junctional channels. <i>Experimental Cell Research</i> , 2007, 313, 415-423.	2.6	26
72	TRPM7, a novel regulator of actomyosin contractility and cell adhesion. <i>EMBO Journal</i> , 2006, 25, 290-301.	7.8	323

#	ARTICLE	IF	CITATIONS
73	A Role for PtdIns(4,5)P ₂ and PIP5K β in Regulating Stress-Induced Apoptosis. <i>Current Biology</i> , 2006, 16, 1850-1856.	3.9	44
74	Integrin cytoplasmic domain-associated protein-1 (ICAP-1) interacts with the ROCK-I kinase at the plasma membrane. <i>Journal of Cellular Physiology</i> , 2006, 208, 620-628.	4.1	24
75	PIP ₂ signaling in lipid domains: a critical re-evaluation. <i>EMBO Journal</i> , 2005, 24, 1664-1673.	7.8	167
76	Integrins control motile strategy through a RhoA-cofilin pathway. <i>Journal of Cell Biology</i> , 2005, 169, 515-526.	5.2	175
77	Spatial Separation of HLA-DM/HLA-DR Interactions within MHC and Phagosome-Induced Immune Escape. <i>Immunity</i> , 2005, 22, 221-233.	14.3	113
78	An emerging role for PtdIns(4,5)P ₂ -mediated signalling in human disease. <i>Trends in Pharmacological Sciences</i> , 2005, 26, 654-660.	8.7	86
79	The Pleckstrin Homology Domain of Phosphoinositide-specific Phospholipase β 4 Is Not a Critical Determinant of the Membrane Localization of the Enzyme. <i>Journal of Biological Chemistry</i> , 2004, 279, 24362-24371.	3.4	29
80	Detecting cAMP-induced Epac activation by fluorescence resonance energy transfer: Epac as a novel cAMP indicator. <i>EMBO Reports</i> , 2004, 5, 1176-1180.	4.5	404
81	Tamoxifen resistance by a conformational arrest of the estrogen receptor β after PKA activation in breast cancer. <i>Cancer Cell</i> , 2004, 5, 597-605.	16.8	241
82	Correcting Confocal Acquisition to Optimize Imaging of Fluorescence Resonance Energy Transfer by Sensitized Emission. <i>Biophysical Journal</i> , 2004, 86, 2517-2529.	0.5	213
83	Peptide Diffusion, Protection, and Degradation in Nuclear and Cytoplasmic Compartments before Antigen Presentation by MHC Class I. <i>Immunity</i> , 2003, 18, 97-108.	14.3	267
84	Calcium Signaling Regulates Translocation and Activation of Rac. <i>Journal of Biological Chemistry</i> , 2003, 278, 39413-39421.	3.4	178
85	Agonist-induced PIP ₂ Hydrolysis Inhibits Cortical Actin Dynamics: Regulation at a Global but not at a Micrometer Scale. <i>Molecular Biology of the Cell</i> , 2002, 13, 3257-3267.	2.1	91
86	G β 13 mediates activation of a depolarizing chloride current that accompanies RhoA activation in both neuronal and nonneuronal cells. <i>Current Biology</i> , 2001, 11, 121-124.	3.9	61
87	Monitoring Agonist-induced Phospholipase C Activation in Live Cells by Fluorescence Resonance Energy Transfer. <i>Journal of Biological Chemistry</i> , 2001, 276, 15337-15344.	3.4	225
88	Exogenous phospholipase D generates lysophosphatidic acid and activates Ras, Rho and Ca ²⁺ signaling pathways. <i>Current Biology</i> , 1998, 8, 386-392.	3.9	96
89	Synaptic Defects and Compensatory Regulation of Inositol Metabolism in Inositol Polyphosphate 1-Phosphatase Mutants. <i>Neuron</i> , 1998, 20, 1219-1229.	8.1	55
90	Acute loss of Cell-Cell Communication Caused by G Protein-coupled Receptors: A Critical Role for c-Src. <i>Journal of Cell Biology</i> , 1998, 140, 1199-1209.	5.2	108

#	ARTICLE	IF	CITATIONS
91	A G Protein-Coupled Receptor Phosphatase Required for Rhodopsin Function. <i>Science</i> , 1997, 277, 687-690.	12.6	104
92	InsP3 Receptor Is Essential for Growth and Differentiation but Not for Vision in <i>Drosophila</i> . <i>Neuron</i> , 1997, 18, 881-887.	8.1	226
93	The <i>Drosophila</i> Light-Activated Conductance Is Composed of the Two Channels TRP and TRPL. <i>Cell</i> , 1996, 85, 651-659.	28.9	345
94	Lysophosphatidic Acid. , 1996, , 277-284.		0
95	Lysophosphatidic Acid as a Novel Lipid Mediator. <i>Current Topics in Membranes</i> , 1994, , 439-450.	0.9	2
96	Lysophosphatidic Acid as a Lipid Mediator: Signal Transduction and Receptor Identification. , 1993, , 55-61.		0
97	Lysophosphatidate-induced cell proliferation: Identification and dissection of signaling pathways mediated by G proteins. <i>Cell</i> , 1989, 59, 45-54.	28.9	831
98	Tips and tricks for artifact-free PFA-based fixation of the actin cytoskeleton and its regulatory proteins for single molecule localization super-resolution microscopy. <i>Protocol Exchange</i> , 0, , .	0.3	4