Yannis L KalaÇdzidis

List of Publications by Year
in descending order

81	7,757	109264 35	102432 66
papers	citations	h-index	g-index

97	97	97	12157
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Endosomal escape of delivered mRNA from endosomal recycling tubules visualized at the nanoscale. Journal of Cell Biology, 2022, 221, .	2.3	60
2	Anisotropic expansion of hepatocyte lumina enforced by apical bulkheads. Journal of Cell Biology, 2021, 220, .	2.3	14
3	Embryonic stem cells are devoid of macropinocytosis, a trafficking pathway for activin A in differentiated cells. Journal of Cell Science, 2021, 134, .	1.2	4
4	Resilience of three-dimensional sinusoidal networks in liver tissue. PLoS Computational Biology, 2020, 16, e1007965.	1.5	12
5	A drug discovery platform to identify compounds that inhibit EGFR triple mutants. Nature Chemical Biology, 2020, 16, 577-586.	3.9	30
6	SNX27â€“retromer assembly recycles MT1-MMP to invadopodia and promotes breast cancer metastasis. Journal of Cell Biology, 2020, 219, .	2.3	38
7	Quantification of nematic cell polarity in three-dimensional tissues. PLoS Computational Biology, 2020, 16, e1008412.	1.5	6
8	Bile canaliculi remodeling activates <scp>YAP</scp> via the actin cytoskeleton during liver regeneration. Molecular Systems Biology, 2020, 16, e8985.	3.2	29
9	Resilience of three-dimensional sinusoidal networks in liver tissue. , 2020, 16, e1007965.		0
10	Resilience of three-dimensional sinusoidal networks in liver tissue. , 2020, 16, e1007965.		0
11	Resilience of three-dimensional sinusoidal networks in liver tissue. , 2020, 16, e1007965.		0
12	Resilience of three-dimensional sinusoidal networks in liver tissue. , 2020, 16, e1007965.		0
13	Resilience of three-dimensional sinusoidal networks in liver tissue. , 2020, 16, e1007965.		0
14	Resilience of three-dimensional sinusoidal networks in liver tissue. , 2020, 16, e1007965.		0
15	Prediction of Multiple 3D Tissue Structures Based on Single-Marker Images Using Convolutional Neural Networks. , 2019, , .		2
16	Correlative singleâ€molecule localization microscopy and electron tomography reveals endosome nanoscale domains. Traffic, 2019, 20, 601-617.	1.3	49
17	Retrograde transport of Akt by a neuronal Rab5-APPL1 endosome. Scientific Reports, 2019, 9, 2433.	1.6	24
18	Intracellular Background Estimation for Quantitative Fluorescence Microscopy. Proceedings (mdpi), 2019, 33, 22.	0.2	0

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19	Three-dimensional spatially resolved geometrical and functional models of human liver tissue reveal new aspects of NAFLD progression. Nature Medicine, 2019, 25, 1885-1893.	15.2	58
20	Liquid-crystal organization of liver tissue. ELife, 2019, 8, .	2.8	42
21	Auto-regulation of Rab5 GEF activity in Rabex5 by allosteric structural changes, catalytic core dynamics and ubiquitin binding. ELife, 2019, 8, .	2.8	26
22	Basic Phenotypes of Endocytic System Recognized by Independent Phenotypes Analysis of a High-throughput Genomic Screen. , 2019, , .		0
23	Multiple routes of endocytic internalization of PDGFRÎ² contribute to PDGF-induced STAT3 signaling. Journal of Cell Science, 2017, 130, 577-589.	1.2	39
24	A Predictive 3D Multi-Scale Model of Biliary Fluid Dynamics in the Liver Lobule. Cell Systems, 2017, 4, 277-290.e9.	2.9	79
25	Functional properties of hepatocytes in vitro are correlated with cell polarity maintenance. Experimental Cell Research, 2017, 350, 242-252.	1.2	73
26	A Global Approach for Quantitative Super Resolution and Electron Microscopy on Cryo and Epoxy Sections Using Self-labeling Protein Tags. Scientific Reports, 2017, 7, 23.	1.6	43
27	An endosomal tether undergoes an entropic collapse to bring vesicles together. Nature, 2016, 537, 107-111.	13.7	135
28	Automatic recognition and characterization of different non-parenchymal cells in liver tissue. , 2016, , .		9
29	The F-actin modifier villin regulates insulin granule dynamics and exocytosis downstream of islet cell autoantigen 512. Molecular Metabolism, 2016, 5, 656-668.	3.0	19
30	Forebrain-specific loss of synaptic GABAA receptors results in altered neuronal excitability and synaptic plasticity in mice. Molecular and Cellular Neurosciences, 2016, 72, 101-113.	1.0	12
31	Signal processing by the endosomal system. Current Opinion in Cell Biology, 2016, 39, 53-60.	2.6	154
32	A Spatial Model of Insulinâ€Granule Dynamics in Pancreatic Î²â€Cells. Traffic, 2015, 16, 797-813.	1.3	16
33	A probabilistic method to quantify the colocalization of markers on intracellular vesicular structures visualized by light microscopy. AIP Conference Proceedings, 2015, , .	0.3	16
34	Regulation of EGFR signal transduction by analogue-to-digital conversion in endosomes. ELife, 2015, 4, .	2.8	93
35	Aged insulin granules display reduced microtubule-dependent mobility and are disposed within actin-positive multigranular bodies. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E667-76.	3.3	63
36	Identification of siRNA delivery enhancers by a chemical library screen. Nucleic Acids Research, 2015, 43, 7984-8001.	6.5	58

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37	Domain-specific model selection for structural identification of the Rab5-Rab7 dynamics in endocytosis. BMC Systems Biology, 2015, 9, 31.	3.0	6
38	APPL endosomes are not obligatory endocytic intermediates but act as stable cargo-sorting compartments. Journal of Cell Biology, 2015, 211, 123-144.	2.3	87
39	Molecular Insights into Rab7â€Mediated Endosomal Recruitment of Core Retromer: Deciphering the Role of Vps26 and Vps35. Traffic, 2015, 16, 68-84.	1.3	71
40	A versatile pipeline for the multi-scale digital reconstruction and quantitative analysis of 3D tissue architecture. ELife, 2015, 4, .	2.8	84
41	Revealing Molecular Mechanisms by Integrating High-Dimensional Functional Screens with Protein Interaction Data. PLoS Computational Biology, 2014, 10, e1003801.	1.5	3
42	Development of a Kinetic Assay for Late Endosome Movement. Journal of Biomolecular Screening, 2014, 19, 1070-1078.	2.6	2
43	Deducing the mechanism of action of compounds identified in phenotypic screens by integrating their multiparametric profiles with a reference genetic screen. Nature Protocols, 2014, 9, 474-490.	5.5	23
44	Objective comparison of particle tracking methods. Nature Methods, 2014, 11, 281-289.	9.0	805
45	Mammalian <scp>CORVET</scp> Is Required for Fusion and Conversion of Distinct Early Endosome Subpopulations. Traffic, 2014, 15, 1366-1389.	1.3	80
46	Image-based analysis of lipid nanoparticleâ€“mediated siRNA delivery, intracellular trafficking and endosomal escape. Nature Biotechnology, 2013, 31, 638-646.	9.4	1,060
47	Statistical shape modeling of human cochlea: alignment and principal component analysis. , 2013, , .		1
48	Age-Dependent Labeling and Imaging of Insulin Secretory Granules. Diabetes, 2013, 62, 3687-3696.	0.3	58
49	Dynamin Inhibitors Impair Endocytosis and Mitogenic Signaling of <scp>PDGF</scp>. Traffic, 2013, 14, 725-736.	1.3	36
50	Integration of Chemical and RNAi Multiparametric Profiles Identifies Triggers of Intracellular Mycobacterial Killing. Cell Host and Microbe, 2013, 13, 129-142.	5.1	74
51	Inductive Process Modeling of Rab5-Rab7 Conversion in Endocytosis. Lecture Notes in Computer Science, 2013, , 265-280.	1.0	0
52	Rab5 is necessary for the biogenesis of the endolysosomal system in vivo. Nature, 2012, 485, 465-470.	13.7	322
53	A General Theoretical Framework to Infer Endosomal Network Dynamics from Quantitative Image Analysis. Current Biology, 2012, 22, 1381-1390.	1.8	69
54	A segmentation method to obtain a complete geometry model of the hearing organ. Hearing Research, 2011, 282, 25-34.	0.9	22

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55	Biochemical Characterization of APPL Endosomes: The Role of Annexin A2 in APPL Membrane Recruitment. Traffic, 2011, 12, 1227-1241.	1.3	19
56	Recruitment of APPL1 to ubiquitin-rich aggresomes in response to proteasomal impairment. Experimental Cell Research, 2011, 317, 1093-1107.	1.2	13
57	System analysis of endocytosis by functional genomics and quantitative multi-parametric image analysis. New Biotechnology, 2010, 27, S2.	2.4	0
58	Systems survey of endocytosis by multiparametric image analysis. Nature, 2010, 464, 243-249.	13.7	407
59	Î²2-Syntrophin Is a Cdk5 Substrate That Restrains the Motility of Insulin Secretory Granules. PLoS ONE, 2010, 5, e12929.	1.1	40
60	BIOLOGISTICS AND THE STRUGGLE FOR EFFICIENCY: CONCEPTS AND PERSPECTIVES. International Journal of Modeling, Simulation, and Scientific Computing, 2009, 12, 533-548.	0.9	33
61	Regulation of Epidermal Growth Factor Receptor Trafficking by Lysine Deacetylase HDAC6. Science Signaling, 2009, 2, ra84.	1.6	140
62	Control of convergent yolk syncytial layer nuclear movement in zebrafish. Development (Cambridge), 2009, 136, 1305-1315.	1.2	30
63	A method for validation for clustering of phenotypic gene knockdown profiles using protein-protein interactions information. BMC Bioinformatics, 2009, 10, .	1.2	1
64	Multiple objects tracking in fluorescence microscopy. Journal of Mathematical Biology, 2009, 58, 57-80.	0.8	32
65	Reconstitution of Rab- and SNARE-dependent membrane fusion by synthetic endosomes. Nature, 2009, 459, 1091-1097.	13.7	201
66	Revisiting the Generalization of Entropy for Non-positive Distribution: Application for Exponent Spectra Analysis. , 2009, , .		0
67	The creation of geometric three-dimensional models of the inner ear based on micro computer tomography data. Hearing Research, 2008, 243, 95-104.	0.9	42
68	Nucleocytoplasmic Shuttling of the Golgi Phosphatidylinositol 4-Kinase Pik1 Is Regulated by 14-3-3 Proteins and Coordinates Golgi Function with Cell Growth. Molecular Biology of the Cell, 2008, 19, 1046-1061.	0.9	64
69	siRNA screening reveals JNK2 as an evolutionary conserved regulator of triglyceride homeostasis. Journal of Lipid Research, 2008, 49, 2427-2440.	2.0	15
70	Regulation of Insulin Granule Turnover in Pancreatic Î²-Cells by Cleaved ICA512. Journal of Biological Chemistry, 2008, 283, 33719-33729.	1.6	32
71	The Clathrin Adaptor Gga2p Is a Phosphatidylinositol 4-phosphate Effector at the Golgi Exit. Molecular Biology of the Cell, 2008, 19, 1991-2002.	0.9	66
72	Membrane identity and GTPase cascades regulated by toggle and cutâ€out switches. Molecular Systems Biology, 2008, 4, 206.	3.2	117

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73	Intracellular objects tracking. European Journal of Cell Biology, 2007, 86, 569-578.	1.6	41
74	Kinetics of Morphogen Gradient Formation. Science, 2007, 315, 521-525.	6.0	355
75	High Throughput Image Analysis on PetaFLOPS Systems. , 2007, , 323-329.		0
76	The depolymerizing kinesin MCAK uses lattice diffusion to rapidly target microtubule ends. Nature, 2006, 441, 115-119.	13.7	408
77	Rab Conversion as a Mechanism of Progression from Early to Late Endosomes. Cell, 2005, 122, 735-749.	13.5	1,434
78	Occupancy of two primary chloride-binding sites in Natronobacterium pharaonis halorhodopsin is a necessary condition for active anion transport. Biochemistry (Moscow), 2003, 68, 354-358.	0.7	1
79	RhoD regulates endosome dynamics through Diaphanous-related Formin and Src tyrosine kinase. Nature Cell Biology, 2003, 5, 195-204.	4.6	200
80	Membrane potential stabilizes the O intermediate in liposomes containing bacteriorhodopsin. FEBS Letters, 1999, 459, 143-147.	1.3	5
81	Flash-induced voltage changes in halorhodopsin from Natronobacterium pharaonis. FEBS Letters, 1998, 427, 59-63.	1.3	35