

Kurt Anderson

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6857324/kurt-anderson-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

97
papers

8,236
citations

52
h-index

90
g-index

104
ext. papers

9,274
ext. citations

8.5
avg, IF

5.59
L-index

#	Paper	IF	Citations
97	p53 status determines the role of autophagy in pancreatic tumour development. <i>Nature</i> , 2013 , 504, 296-304	30.4	498
96	Actomyosin-mediated cellular tension drives increased tissue stiffness and E-catenin activation to induce epidermal hyperplasia and tumor growth. <i>Cancer Cell</i> , 2011 , 19, 776-91	24.3	391
95	Rab25 associates with alpha5beta1 integrin to promote invasive migration in 3D microenvironments. <i>Developmental Cell</i> , 2007 , 13, 496-510	10.2	330
94	Hexagonal packing of Drosophila wing epithelial cells by the planar cell polarity pathway. <i>Developmental Cell</i> , 2005 , 9, 805-17	10.2	329
93	ROS production and NF- κ B activation triggered by RAC1 facilitate WNT-driven intestinal stem cell proliferation and colorectal cancer initiation. <i>Cell Stem Cell</i> , 2013 , 12, 761-73	18	282
92	Rab25 and CLIC3 collaborate to promote integrin recycling from late endosomes/lysosomes and drive cancer progression. <i>Developmental Cell</i> , 2012 , 22, 131-45	10.2	233
91	The actin-bundling protein fascin stabilizes actin in invadopodia and potentiates protrusive invasion. <i>Current Biology</i> , 2010 , 20, 339-45	6.3	227
90	Dynamic actin patterns and Arp2/3 assembly at the substrate-attached surface of motile cells. <i>Current Biology</i> , 2004 , 14, 1-10	6.3	227
89	Neuropilin-1/GIPC1 signaling regulates alpha5beta1 integrin traffic and function in endothelial cells. <i>PLoS Biology</i> , 2009 , 7, e25	9.7	215
88	Actin filament organization in the fish keratocyte lamellipodium. <i>Journal of Cell Biology</i> , 1995 , 129, 1275-86	7.8	206
87	Assembling an actin cytoskeleton for cell attachment and movement. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1998 , 1404, 271-81	4.9	196
86	Targeting the LOX/hypoxia axis reverses many of the features that make pancreatic cancer deadly: inhibition of LOX abrogates metastasis and enhances drug efficacy. <i>EMBO Molecular Medicine</i> , 2015 , 7, 1063-76	12	172
85	A complex between FAK, RACK1, and PDE4D5 controls spreading initiation and cancer cell polarity. <i>Current Biology</i> , 2010 , 20, 1086-92	6.3	162
84	Transient tissue priming via ROCK inhibition uncouples pancreatic cancer progression, sensitivity to chemotherapy, and metastasis. <i>Science Translational Medicine</i> , 2017 , 9,	17.5	159
83	Polyene-lipids: a new tool to image lipids. <i>Nature Methods</i> , 2005 , 2, 39-45	21.6	154
82	The three-dimensional dynamics of actin waves, a model of cytoskeletal self-organization. <i>Biophysical Journal</i> , 2009 , 96, 2888-900	2.9	151
81	Mobile actin clusters and traveling waves in cells recovering from actin depolymerization. <i>Biophysical Journal</i> , 2004 , 87, 3493-503	2.9	151

80	Talin tension sensor reveals novel features of focal adhesion force transmission and mechanosensitivity. <i>Journal of Cell Biology</i> , 2016 , 213, 371-83	7.3	148
79	LIM kinases are required for invasive path generation by tumor and tumor-associated stromal cells. <i>Journal of Cell Biology</i> , 2010 , 191, 169-85	7.3	143
78	N-WASP deficiency impairs EGF internalization and actin assembly at clathrin-coated pits. <i>Journal of Cell Science</i> , 2005 , 118, 3103-15	5.3	143
77	Nanometer targeting of microtubules to focal adhesions. <i>Journal of Cell Biology</i> , 2003 , 161, 853-9	7.3	141
76	Observing structure, function and assembly of single proteins by AFM. <i>Progress in Biophysics and Molecular Biology</i> , 2002 , 79, 1-43	4.7	138
75	Cancer cell-autonomous TRAIL-R signaling promotes KRAS-driven cancer progression, invasion, and metastasis. <i>Cancer Cell</i> , 2015 , 27, 561-73	24.3	133
74	Spatial regulation of RhoA activity during pancreatic cancer cell invasion driven by mutant p53. <i>Cancer Research</i> , 2011 , 71, 747-57	10.1	118
73	Visualising the actin cytoskeleton. <i>Microscopy Research and Technique</i> , 1999 , 47, 3-17	2.8	113
72	Paneth cells in intestinal homeostasis and tissue injury. <i>PLoS ONE</i> , 2012 , 7, e38965	3.7	110
71	MMP-9 triggered self-assembly of doxorubicin nanofiber depots halts tumor growth. <i>Biomaterials</i> , 2016 , 98, 192-202	15.6	107
70	Coordination of protrusion and translocation of the keratocyte involves rolling of the cell body. <i>Journal of Cell Biology</i> , 1996 , 134, 1209-18	7.3	101
69	Tensile stress stimulates microtubule outgrowth in living cells. <i>Journal of Cell Science</i> , 2002 , 115, 2283-2331	7.3	100
68	Intravital FLIM-FRET imaging reveals dasatinib-induced spatial control of src in pancreatic cancer. <i>Cancer Research</i> , 2013 , 73, 4674-86	10.1	96
67	Subsecond reorganization of the actin network in cell motility and chemotaxis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 7601-6	11.5	96
66	Inhibition of autophagy impairs tumor cell invasion in an organotypic model. <i>Cell Cycle</i> , 2012 , 11, 2022-9	4.7	94
65	Recent advances using green and red fluorescent protein variants. <i>Applied Microbiology and Biotechnology</i> , 2007 , 77, 1-12	5.7	94
64	Targeting mTOR dependency in pancreatic cancer. <i>Gut</i> , 2014 , 63, 1481-9	19.2	93
63	HIRA orchestrates a dynamic chromatin landscape in senescence and is required for suppression of neoplasia. <i>Genes and Development</i> , 2014 , 28, 2712-25	12.6	90

62	Tensile stress stimulates microtubule outgrowth in living cells. <i>Journal of Cell Science</i> , 2002 , 115, 2283-91	5.3	84
61	ROCK signaling promotes collagen remodeling to facilitate invasive pancreatic ductal adenocarcinoma tumor cell growth. <i>EMBO Molecular Medicine</i> , 2017 , 9, 198-218	12	83
60	Ligand-Occupied Integrin Internalization Links Nutrient Signaling to Invasive Migration. <i>Cell Reports</i> , 2015 , 10, 398-413	10.6	83
59	Tutorial: guidance for quantitative confocal microscopy. <i>Nature Protocols</i> , 2020 , 15, 1585-1611	18.8	82
58	Luminal iron levels govern intestinal tumorigenesis after Apc loss in vivo. <i>Cell Reports</i> , 2012 , 2, 270-82	10.6	81
57	The Rac activator STEF (Tiam2) regulates cell migration by microtubule-mediated focal adhesion disassembly. <i>EMBO Reports</i> , 2010 , 11, 292-8	6.5	81
56	Contact dynamics during keratocyte motility. <i>Current Biology</i> , 2000 , 10, 253-60	6.3	73
55	MMP-9 triggered micelle-to-fibre transitions for slow release of doxorubicin. <i>Biomaterials Science</i> , 2015 , 3, 246-9	7.4	72
54	The Rac-FRET mouse reveals tight spatiotemporal control of Rac activity in primary cells and tissues. <i>Cell Reports</i> , 2014 , 6, 1153-1164	10.6	70
53	A RhoA-FRET Biosensor Mouse for Intravital Imaging in Normal Tissue Homeostasis and Disease Contexts. <i>Cell Reports</i> , 2017 , 21, 274-288	10.6	65
52	MST kinases monitor actin cytoskeletal integrity and signal via c-Jun N-terminal kinase stress-activated kinase to regulate p21Waf1/Cip1 stability. <i>Molecular and Cellular Biology</i> , 2009 , 29, 6380-90	14.8	65
51	Proteomics-based metabolic modeling reveals that fatty acid oxidation (FAO) controls endothelial cell (EC) permeability. <i>Molecular and Cellular Proteomics</i> , 2015 , 14, 621-34	7.6	63
50	Real-time study of E-cadherin and membrane dynamics in living animals: implications for disease modeling and drug development. <i>Cancer Research</i> , 2009 , 69, 2714-9	10.1	63
49	Actin and the coordination of protrusion, attachment and retraction in cell crawling. <i>Bioscience Reports</i> , 1996 , 16, 351-68	4.1	63
48	Imaging molecular dynamics in vivo--from cell biology to animal models. <i>Journal of Cell Science</i> , 2011 , 124, 2877-90	5.3	62
47	Live cell in vitro and in vivo imaging applications: accelerating drug discovery. <i>Pharmaceutics</i> , 2011 , 3, 141-70	6.4	53
46	Biomolecular imaging using atomic force microscopy. <i>Trends in Biotechnology</i> , 2002 , 20, S45-S49	15.1	52
45	Calponin reduces shortening velocity in skinned taenia coli smooth muscle fibres. <i>FEBS Letters</i> , 1995 , 365, 167-71	3.8	49

44	Organotypic collagen I assay: a malleable platform to assess cell behaviour in a 3-dimensional context. <i>Journal of Visualized Experiments</i> , 2011 , e3089	1.6	47
43	Polarized cell motility induces hydrogen peroxide to inhibit cofilin via cysteine oxidation. <i>Current Biology</i> , 2015 , 25, 1520-5	6.3	44
42	Intravital FRAP Imaging using an E-cadherin-GFP Mouse Reveals Disease- and Drug-Dependent Dynamic Regulation of Cell-Cell Junctions in Live Tissue. <i>Cell Reports</i> , 2016 , 14, 152-167	10.6	42
41	β -syntrophin and Par-3 promote an apicobasal Rac activity gradient at cell-cell junctions by differentially regulating Tiam1 activity. <i>Nature Cell Biology</i> , 2012 , 14, 1169-80	23.4	40
40	The leading edge is a lipid diffusion barrier. <i>Journal of Cell Science</i> , 2005 , 118, 4375-80	5.3	40
39	Morphogenesis of extra-embryonic tissues directs the remodelling of the mouse embryo at implantation. <i>Nature Communications</i> , 2019 , 10, 3557	17.4	35
38	Time-lapse imaging of the dynamics of CNS glial-axonal interactions in vitro and ex vivo. <i>PLoS ONE</i> , 2012 , 7, e30775	3.7	35
37	Fam49/CYRI interacts with Rac1 and locally suppresses protrusions. <i>Nature Cell Biology</i> , 2018 , 20, 1159-1174	13.4	34
36	Actin microridges characterized by laser scanning confocal and atomic force microscopy. <i>FEBS Letters</i> , 2005 , 579, 2001-8	3.8	32
35	Mechanically induced actin-mediated rocketing of phagosomes. <i>Molecular Biology of the Cell</i> , 2006 , 17, 4866-75	3.5	30
34	Removing physiological motion from intravital and clinical functional imaging data. <i>ELife</i> , 2018 , 7,	8.9	28
33	The ATG16L1 risk allele associated with Crohn's disease results in a Rac1-dependent defect in dendritic cell migration that is corrected by thiopurines. <i>Mucosal Immunology</i> , 2017 , 10, 352-360	9.2	27
32	High Resolution Tracking of Cell Membrane Dynamics in Moving Cells: an Electrifying Approach. <i>Mathematical Modelling of Natural Phenomena</i> , 2010 , 5, 34-55	3	26
31	Single-cell resolved imaging reveals intra-tumor heterogeneity in glycolysis, transitions between metabolic states, and their regulatory mechanisms. <i>Cell Reports</i> , 2021 , 34, 108750	10.6	26
30	FLIM-FRET imaging in vivo reveals 3D-environment spatially regulates RhoGTPase activity during cancer cell invasion. <i>Small GTPases</i> , 2011 , 2, 239-244	2.7	25
29	Accepting from the best donor; analysis of long-lifetime donor fluorescent protein pairings to optimise dynamic FLIM-based FRET experiments. <i>PLoS ONE</i> , 2018 , 13, e0183585	3.7	24
28	Extracellular signal-regulated kinase regulates RhoA activation and tumor cell plasticity by inhibiting guanine exchange factor H1 activity. <i>Molecular and Cellular Biology</i> , 2013 , 33, 4526-37	4.8	23
27	An open data ecosystem for cell migration research. <i>Trends in Cell Biology</i> , 2015 , 25, 55-8	18.3	21

26	Use of photoactivation and photobleaching to monitor the dynamic regulation of E-cadherin at the plasma membrane. <i>Cell Adhesion and Migration</i> , 2010 , 4, 491-501	3.2	19
25	A new configuration of the Zeiss LSM 510 for simultaneous optical separation of green and red fluorescent protein pairs. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2006 , 69, 920-9	4.6	19
24	In-Depth Proteomics Identifies a Role for Autophagy in Controlling Reactive Oxygen Species Mediated Endothelial Permeability. <i>Journal of Proteome Research</i> , 2016 , 15, 2187-97	5.6	18
23	The multi-FERM-domain-containing protein FrmA is required for turnover of paxillin-adhesion sites during cell migration of Dictyostelium. <i>Journal of Cell Science</i> , 2008 , 121, 1159-64	5.3	18
22	There are four dynamically and functionally distinct populations of E-cadherin in cell junctions. <i>Biology Open</i> , 2015 , 4, 1481-9	2.2	17
21	Antigen retrieval and clearing for whole-organ immunofluorescence by FLASH. <i>Nature Protocols</i> , 2021 , 16, 239-262	18.8	17
20	Imatinib-dependent tyrosine phosphorylation profiling of Bcr-Abl-positive chronic myeloid leukemia cells. <i>Leukemia</i> , 2013 , 27, 743-6	10.7	15
19	Elevations of intracellular calcium reflect normal voltage-dependent behavior, and not constitutive activity, of voltage-dependent calcium channels in gastrointestinal and vascular smooth muscle. <i>Journal of General Physiology</i> , 2009 , 133, 439-57	3.4	13
18	Synthesis of migrastatin and its macroketone analogue and in vivo FRAP analysis of the macroketone on E-cadherin dynamics. <i>ChemBioChem</i> , 2014 , 15, 1459-64	3.8	12
17	Linear approaches to intramolecular Förster resonance energy transfer probe measurements for quantitative modeling. <i>PLoS ONE</i> , 2011 , 6, e27823	3.7	12
16	Quantitative real-time imaging of molecular dynamics during cancer cell invasion and metastasis in vivo. <i>Cell Adhesion and Migration</i> , 2009 , 3, 351-4	3.2	12
15	Fluorescence lifetime imaging: association of cortical actin with a PIP3-rich membrane compartment. <i>European Journal of Cell Biology</i> , 2008 , 87, 735-41	6.1	10
14	Advanced intravital subcellular imaging reveals vital three-dimensional signalling events driving cancer cell behaviour and drug responses in live tissue. <i>FEBS Journal</i> , 2013 , 280, 5177-97	5.7	9
13	NEMA NU4-2008 Performance Evaluation of Albira: A Two-Ring Small-Animal PET System Using Continuous LYSO Crystals. <i>Open Medicine Journal</i> , 2016 , 3, 12-26	0.5	8
12	Label-Free Multiphoton Microscopy: Much More Than Fancy Images. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	8
11	Monitoring the dynamics of Src activity in response to anti-invasive dasatinib treatment at a subcellular level using dual intravital imaging. <i>Cell Adhesion and Migration</i> , 2014 , 8, 478-86	3.2	7
10	Design and Function of a Light-Microscopy Facility. <i>Principles and Practice</i> , 2007 , 93-113		7
9	A RAC-GEF network critical for early intestinal tumorigenesis. <i>Nature Communications</i> , 2021 , 12, 56	17.4	7

8	Strategies to overcome photobleaching in algorithm-based adaptive optics for nonlinear in-vivo imaging. <i>Journal of Biomedical Optics</i> , 2014 , 19, 16021	3.5	6
7	Astroglial-axonal interactions during early stages of myelination in mixed cultures using in vitro and ex vivo imaging techniques. <i>BMC Neuroscience</i> , 2014 , 15, 59	3.2	5
6	Characterizing system performance in total internal reflection fluorescence microscopy. <i>Methods in Molecular Biology</i> , 2011 , 769, 373-86	1.4	4
5	Shedding new light on RhoA signalling as a drug target using a novel RhoA-FRET biosensor mouse. <i>Small GTPases</i> , 2020 , 11, 240-247	2.7	4
4	PtdIns(3,4,5)P-dependent Rac exchanger 1 (P-Rex1) promotes mammary tumor initiation and metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 28056-28067	11.5	3
3	Optimizing metastatic-cascade-dependent Rac1 targeting in breast cancer: Guidance using optical window intravital FRET imaging. <i>Cell Reports</i> , 2021 , 36, 109689	10.6	2
2	Challenges for CLEM from a Light Microscopy Perspective 2019 , 23-35		1
1	Seeing More by Seeing Less: TIRFM Imaging of Cytoskeleton and Membrane Dynamics. <i>Microscopy and Microanalysis</i> , 2004 , 10, 1232-1233	0.5	