

Paul Timpson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5035959/publications.pdf>

Version: 2024-02-01

69
papers

6,477
citations

76326

40
h-index

95266

68
g-index

71
all docs

71
docs citations

71
times ranked

11007
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutant p53 drives metastasis and overcomes growth arrest/senescence in pancreatic cancer. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 246-251.	7.1	530
2	Actomyosin-Mediated Cellular Tension Drives Increased Tissue Stiffness and β -Catenin Activation to Induce Epidermal Hyperplasia and Tumor Growth. Cancer Cell, 2011, 19, 776-791.	16.8	477
3	ROS Production and NF- κ B Activation Triggered by RAC1 Facilitate WNT-Driven Intestinal Stem Cell Proliferation and Colorectal Cancer Initiation. Cell Stem Cell, 2013, 12, 761-773.	11.1	340
4	FAK signaling in human cancer as a target for therapeutics. , 2015, 146, 132-149.		317
5	Targeting stromal remodeling and cancer stem cell plasticity overcomes chemoresistance in triple negative breast cancer. Nature Communications, 2018, 9, 2897.	12.8	293
6	Fluids and their mechanics in tumour transit: shaping metastasis. Nature Reviews Cancer, 2020, 20, 107-124.	28.4	232
7	Targeting the α -LOX / hypoxia axis reverses many of the features that make pancreatic cancer deadly: inhibition of α -LOX abrogates metastasis and enhances drug efficacy. EMBO Molecular Medicine, 2015, 7, 1063-1076.	6.9	223
8	CAF Subpopulations: A New Reservoir of Stromal Targets in Pancreatic Cancer. Trends in Cancer, 2019, 5, 724-741.	7.4	214
9	Transient tissue priming via ROCK inhibition uncouples pancreatic cancer progression, sensitivity to chemotherapy, and metastasis. Science Translational Medicine, 2017, 9, .	12.4	208
10	Coordination of cell polarization and migration by the Rho family GTPases requires Src tyrosine kinase activity. Current Biology, 2001, 11, 1836-1846.	3.9	175
11	Reshaping the Tumor Stroma for Treatment of Pancreatic Cancer. Gastroenterology, 2018, 154, 820-838.	1.3	173
12	CAF hierarchy driven by pancreatic cancer cell p53-status creates a pro-metastatic and chemoresistant environment via perlecan. Nature Communications, 2019, 10, 3637.	12.8	170
13	P-Rex1 is required for efficient melanoblast migration and melanoma metastasis. Nature Communications, 2011, 2, 555.	12.8	152
14	Developments in preclinical cancer imaging: innovating the discovery of therapeutics. Nature Reviews Cancer, 2014, 14, 314-328.	28.4	134
15	High mammographic density is associated with an increase in stromal collagen and immune cells within the mammary epithelium. Breast Cancer Research, 2015, 17, 79.	5.0	134
16	Spatial Regulation of RhoA Activity during Pancreatic Cancer Cell Invasion Driven by Mutant p53. Cancer Research, 2011, 71, 747-757.	0.9	127
17	Dasatinib Inhibits the Development of Metastases in a Mouse Model of Pancreatic Ductal Adenocarcinoma. Gastroenterology, 2010, 139, 292-303.	1.3	123
18	Three-dimensional cancer models mimic cell-matrix interactions in the tumour microenvironment. Carcinogenesis, 2014, 35, 1671-1679.	2.8	123

#	ARTICLE	IF	CITATIONS
19	Quantitative <i>In vivo</i> Imaging of the Effects of Inhibiting Integrin Signaling via Src and FAK on Cancer Cell Movement: Effects on E-cadherin Dynamics. <i>Cancer Research</i> , 2010, 70, 9413-9422.	0.9	122
20	Intravital FLIM-FRET Imaging Reveals Dasatinib-Induced Spatial Control of Src in Pancreatic Cancer. <i>Cancer Research</i> , 2013, 73, 4674-4686.	0.9	111
21	Cholesterol Regulates Syntaxin 6 Trafficking at trans-Golgi Network Endosomal Boundaries. <i>Cell Reports</i> , 2014, 7, 883-897.	6.4	104
22	Tailored first-line and second-line CDK4-targeting treatment combinations in mouse models of pancreatic cancer. <i>Gut</i> , 2018, 67, 2142-2155.	12.1	100
23	Aberrant Expression of Cortactin in Head and Neck Squamous Cell Carcinoma Cells Is Associated with Enhanced Cell Proliferation and Resistance to the Epidermal Growth Factor Receptor Inhibitor Gefitinib. <i>Cancer Research</i> , 2007, 67, 9304-9314.	0.9	87
24	A RhoA-FRET Biosensor Mouse for Intravital Imaging in Normal Tissue Homeostasis and Disease Contexts. <i>Cell Reports</i> , 2017, 21, 274-288.	6.4	83
25	Pre-clinical evaluation of small molecule LOXL2 inhibitors in breast cancer. <i>Oncotarget</i> , 2017, 8, 26066-26078.	1.8	81
26	The Rac-FRET Mouse Reveals Tight Spatiotemporal Control of Rac Activity in Primary Cells and Tissues. <i>Cell Reports</i> , 2014, 6, 1153-1164.	6.4	79
27	Recent advances in understanding the complexities of metastasis. <i>F1000Research</i> , 2018, 7, 1169.	1.6	75
28	Imaging molecular dynamics in vivo “ from cell biology to animal models. <i>Journal of Cell Science</i> , 2011, 124, 2877-2890.	2.0	73
29	Differential Rac1 signalling by guanine nucleotide exchange factors implicates FLII in regulating Rac1-driven cell migration. <i>Nature Communications</i> , 2016, 7, 10664.	12.8	72
30	Organotypic Collagen I Assay: A Malleable Platform to Assess Cell Behaviour in a 3-Dimensional Context. <i>Journal of Visualized Experiments</i> , 2011, , e3089.	0.3	66
31	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, 2714-2719.	0.9	64
32	Rho Kinase Inhibition by AT13148 Blocks Pancreatic Ductal Adenocarcinoma Invasion and Tumor Growth. <i>Cancer Research</i> , 2018, 78, 3321-3336.	0.9	64
33	Intravital Imaging to Monitor Therapeutic Response in Moving Hypoxic Regions Resistant to PI3K Pathway Targeting in Pancreatic Cancer. <i>Cell Reports</i> , 2018, 23, 3312-3326.	6.4	61
34	MCL-1 inhibition provides a new way to suppress breast cancer metastasis and increase sensitivity to dasatinib. <i>Breast Cancer Research</i> , 2016, 18, 125.	5.0	60
35	Biglycan expression in the melanoma microenvironment promotes invasiveness via increased tissue stiffness inducing integrin- β 1 expression. <i>Oncotarget</i> , 2017, 8, 42901-42916.	1.8	60
36	ELF5 Drives Lung Metastasis in Luminal Breast Cancer through Recruitment of Gr1+ CD11b+ Myeloid-Derived Suppressor Cells. <i>PLoS Biology</i> , 2015, 13, e1002330.	5.6	59

#	ARTICLE	IF	CITATIONS
37	↑133p53 isoform promotes tumour invasion and metastasis via interleukin-6 activation of JAK-STAT and RhoA-ROCK signalling. <i>Nature Communications</i> , 2018, 9, 254.	12.8	55
38	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.	6.4	54
39	Annexin A6 – A multifunctional scaffold in cell motility. <i>Cell Adhesion and Migration</i> , 2017, 11, 288-304.	2.7	53
40	Overcoming the senescence-associated secretory phenotype (SASP): a complex mechanism of resistance in the treatment of cancer. <i>Molecular Oncology</i> , 2021, 15, 3242-3255.	4.6	52
41	Rho-associated kinase signalling and the cancer microenvironment: novel biological implications and therapeutic opportunities. <i>Expert Reviews in Molecular Medicine</i> , 2015, 17, e17.	3.9	51
42	ROCK-mediated selective activation of PERK signalling causes fibroblast reprogramming and tumour progression through a CRELD2-dependent mechanism. <i>Nature Cell Biology</i> , 2020, 22, 882-895.	10.3	47
43	Acute compressive stress activates RHO/ROCK-mediated cellular processes. <i>Small GTPases</i> , 2020, 11, 354-370.	1.6	45
44	Recent advances in understanding the complexities of metastasis. <i>F1000Research</i> , 2018, 7, 1169.	1.6	45
45	Annexin A6 and Late Endosomal Cholesterol Modulate Integrin Recycling and Cell Migration. <i>Journal of Biological Chemistry</i> , 2016, 291, 1320-1335.	3.4	43
46	Targeting ROCK activity to disrupt and prime pancreatic cancer for chemotherapy. <i>Small GTPases</i> , 2020, 11, 45-52.	1.6	38
47	Single-cell transcriptomics reveals involution mimicry during the specification of the basal breast cancer subtype. <i>Cell Reports</i> , 2021, 35, 108945.	6.4	38
48	The dynamics of Rho GTPase signaling and implications for targeting cancer and the tumor microenvironment. <i>Small GTPases</i> , 2015, 6, 123-133.	1.6	37
49	Context-dependent intravital imaging of therapeutic response using intramolecular FRET biosensors. <i>Methods</i> , 2017, 128, 78-94.	3.8	37
50	Removing physiological motion from intravital and clinical functional imaging data. <i>ELife</i> , 2018, 7, .	6.0	34
51	A Negative Regulatory Mechanism Involving 14-3-3↑ Limits Signaling Downstream of ROCK to Regulate Tissue Stiffness in Epidermal Homeostasis. <i>Developmental Cell</i> , 2015, 35, 759-774.	7.0	33
52	Molecular mobility and activity in an intravital imaging setting – implications for cancer progression and targeting. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	32
53	FLIM-FRET imaging in vivo reveals 3D-environment spatially regulates RhoGTPase activity during cancer cell invasion. <i>Small GTPases</i> , 2011, 2, 239-244.	1.6	25
54	Intravital imaging technology guides FAK-mediated priming in pancreatic cancer precision medicine according to Merlin status. <i>Science Advances</i> , 2021, 7, eabh0363.	10.3	23

#	ARTICLE	IF	CITATIONS
55	Three-dimensional organotypic matrices from alternative collagen sources as pre-clinical models for cell biology. <i>Scientific Reports</i> , 2017, 7, 16887.	3.3	22
56	Myeloid cell leukemia 1 (MCL-1), an unexpected modulator of protein kinase signaling during invasion. <i>Cell Adhesion and Migration</i> , 2018, 12, 513-523.	2.7	22
57	A non-genetic, cell cycle-dependent mechanism of platinum resistance in lung adenocarcinoma. <i>ELife</i> , 2021, 10, .	6.0	14
58	Dynamic Stromal Alterations Influence Tumor-Stroma Crosstalk to Promote Pancreatic Cancer and Treatment Resistance. <i>Cancers</i> , 2021, 13, 3481.	3.7	13
59	Annexin A6 improves anti-migratory and anti-invasive properties of tyrosine kinase inhibitors in EGFR overexpressing human squamous epithelial cells. <i>FEBS Journal</i> , 2020, 287, 2961-2978.	4.7	12
60	Optimizing metastatic-cascade-dependent Rac1 targeting in breast cancer: Guidance using optical window intravital FRET imaging. <i>Cell Reports</i> , 2021, 36, 109689.	6.4	12
61	Intravital imaging reveals new ancillary mechanisms co-opted by cancer cells to drive tumor progression. <i>F1000Research</i> , 2016, 5, 892.	1.6	11
62	Annexin A6 and NPC1 regulate LDL-inducible cell migration and distribution of focal adhesions. <i>Scientific Reports</i> , 2022, 12, 596.	3.3	11
63	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, 5177-5197.	4.7	10
64	The Mini-Organ: A rapid high-throughput 3D coculture organotypic assay for oncology screening and drug development. <i>Cancer Reports</i> , 2020, 3, e1209.	1.4	8
65	Quantifying and visualising the nuances of cellular dynamics in vivo using intravital imaging. <i>Current Opinion in Cell Biology</i> , 2021, 72, 41-53.	5.4	7
66	Shedding new light on RhoA signalling as a drug target <i>in vivo</i> using a novel RhoA-FRET biosensor mouse. <i>Small GTPases</i> , 2020, 11, 240-247.	1.6	5
67	Pathway profiling of a novel SRC inhibitor, AZD0424, in combination with MEK inhibitors for cancer treatment. <i>Molecular Oncology</i> , 2022, 16, 1072-1090.	4.6	5
68	Imaging fibrosis in pancreatic cancer using second harmonic generation. <i>Pancreatology</i> , 2015, 15, 200-201.	1.1	4
69	Targeting genetically-tuned CAFs in pancreatic cancer <i>via</i> perlecan manipulation. <i>Expert Opinion on Therapeutic Targets</i> , 2020, 24, 171-174.	3.4	4