

Paul Timpson

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

6,477
citations

76294

40
h-index

95218

68
g-index

71
all docs

71
docs citations

71
times ranked

11007
citing authors

#	ARTICLE	IF	CITATIONS
1	Pathway profiling of a novel SRC inhibitor, AZD0424, in combination with MEK inhibitors for cancer treatment. <i>Molecular Oncology</i> , 2022, 16, 1072-1090.	2.1	5
2	Annexin A6 and NPC1 regulate LDL-inducible cell migration and distribution of focal adhesions. <i>Scientific Reports</i> , 2022, 12, 596.	1.6	11
3	Single-cell transcriptomics reveals involution mimicry during the specification of the basal breast cancer subtype. <i>Cell Reports</i> , 2021, 35, 108945.	2.9	38
4	A non-genetic, cell cycle-dependent mechanism of platinum resistance in lung adenocarcinoma. <i>ELife</i> , 2021, 10, .	2.8	14
5	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.	2.1	52
6	Dynamic Stromal Alterations Influence Tumor-Stroma Crosstalk to Promote Pancreatic Cancer and Treatment Resistance. <i>Cancers</i> , 2021, 13, 3481.	1.7	13
7	Optimizing metastatic-cascade-dependent Rac1 targeting in breast cancer: Guidance using optical window intravital FRET imaging. <i>Cell Reports</i> , 2021, 36, 109689.	2.9	12
8	Intravital imaging technology guides FAK-mediated priming in pancreatic cancer precision medicine according to Merlin status. <i>Science Advances</i> , 2021, 7, eabh0363.	4.7	23
9	Quantifying and visualising the nuances of cellular dynamics in vivo using intravital imaging. <i>Current Opinion in Cell Biology</i> , 2021, 72, 41-53.	2.6	7
10	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.	0.7	5
11	Acute compressive stress activates RHO/ROCK-mediated cellular processes. <i>Small GTPases</i> , 2020, 11, 354-370.	0.7	45
12	Targeting ROCK activity to disrupt and prime pancreatic cancer for chemotherapy. <i>Small GTPases</i> , 2020, 11, 45-52.	0.7	38
13	The Mini-Organ: A rapid high-throughput 3D coculture organotypic assay for oncology screening and drug development. <i>Cancer Reports</i> , 2020, 3, e1209.	0.6	8
14	Fluids and their mechanics in tumour transit: shaping metastasis. <i>Nature Reviews Cancer</i> , 2020, 20, 107-124.	12.8	232
15	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.	2.2	12
16	Targeting genetically-tuned CAFs in pancreatic cancer <i>via</i> perlecan manipulation. <i>Expert Opinion on Therapeutic Targets</i> , 2020, 24, 171-174.	1.5	4
17	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.	4.6	47
18	CAF hierarchy driven by pancreatic cancer cell p53-status creates a pro-metastatic and chemoresistant environment <i>via</i> perlecan. <i>Nature Communications</i> , 2019, 10, 3637.	5.8	170

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19	CAF Subpopulations: A New Reservoir of Stromal Targets in Pancreatic Cancer. <i>Trends in Cancer</i> , 2019, 5, 724-741.	3.8	214
20	Rho Kinase Inhibition by AT13148 Blocks Pancreatic Ductal Adenocarcinoma Invasion and Tumor Growth. <i>Cancer Research</i> , 2018, 78, 3321-3336.	0.4	64
21	Molecular mobility and activity in an intravital imaging setting – implications for cancer progression and targeting. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	32
22	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.	5.8	55
23	Reshaping the Tumor Stroma for Treatment of Pancreatic Cancer. <i>Gastroenterology</i> , 2018, 154, 820-838.	0.6	173
24	Tailored first-line and second-line CDK4-targeting treatment combinations in mouse models of pancreatic cancer. <i>Gut</i> , 2018, 67, 2142-2155.	6.1	100
25	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.	1.1	22
26	Targeting stromal remodeling and cancer stem cell plasticity overcomes chemoresistance in triple negative breast cancer. <i>Nature Communications</i> , 2018, 9, 2897.	5.8	293
27	Removing physiological motion from intravital and clinical functional imaging data. <i>ELife</i> , 2018, 7, .	2.8	34
28	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.	2.9	61
29	Recent advances in understanding the complexities of metastasis. <i>F1000Research</i> , 2018, 7, 1169.	0.8	45
30	Recent advances in understanding the complexities of metastasis. <i>F1000Research</i> , 2018, 7, 1169.	0.8	75
31	Annexin A6 – A multifunctional scaffold in cell motility. <i>Cell Adhesion and Migration</i> , 2017, 11, 288-304.	1.1	53
32	Context-dependent intravital imaging of therapeutic response using intramolecular FRET biosensors. <i>Methods</i> , 2017, 128, 78-94.	1.9	37
33	Transient tissue priming via ROCK inhibition uncouples pancreatic cancer progression, sensitivity to chemotherapy, and metastasis. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	208
34	A RhoA-FRET Biosensor Mouse for Intravital Imaging in Normal Tissue Homeostasis and Disease Contexts. <i>Cell Reports</i> , 2017, 21, 274-288.	2.9	83
35	Biglycan expression in the melanoma microenvironment promotes invasiveness via increased tissue stiffness inducing integrin-1 expression. <i>Oncotarget</i> , 2017, 8, 42901-42916.	0.8	60
36	Three-dimensional organotypic matrices from alternative collagen sources as pre-clinical models for cell biology. <i>Scientific Reports</i> , 2017, 7, 16887.	1.6	22

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37	Pre-clinical evaluation of small molecule LOXL2 inhibitors in breast cancer. <i>Oncotarget</i> , 2017, 8, 26066-26078.	0.8	81
38	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.	2.2	60
39	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.	2.9	54
40	Annexin A6 and Late Endosomal Cholesterol Modulate Integrin Recycling and Cell Migration. <i>Journal of Biological Chemistry</i> , 2016, 291, 1320-1335.	1.6	43
41	Differential Rac1 signalling by guanine nucleotide exchange factors implicates FLII in regulating Rac1-driven cell migration. <i>Nature Communications</i> , 2016, 7, 10664.	5.8	72
42	Intravital imaging reveals new ancillary mechanisms co-opted by cancer cells to drive tumor progression. <i>F1000Research</i> , 2016, 5, 892.	0.8	11
43	Rho-associated kinase signalling and the cancer microenvironment: novel biological implications and therapeutic opportunities. <i>Expert Reviews in Molecular Medicine</i> , 2015, 17, e17.	1.6	51
44	Targeting the <sc>LOX</sc> / <sc>hypoxia</sc> axis reverses many of the features that make pancreatic cancer deadly: inhibition of <sc>LOX</sc> abrogates metastasis and enhances drug efficacy. <i>EMBO Molecular Medicine</i> , 2015, 7, 1063-1076.	3.3	223
45	High mammographic density is associated with an increase in stromal collagen and immune cells within the mammary epithelium. <i>Breast Cancer Research</i> , 2015, 17, 79.	2.2	134
46	A Negative Regulatory Mechanism Involving 14-3-3 σ Limits Signaling Downstream of ROCK to Regulate Tissue Stiffness in Epidermal Homeostasis. <i>Developmental Cell</i> , 2015, 35, 759-774.	3.1	33
47	Imaging fibrosis in pancreatic cancer using second harmonic generation. <i>Pancreatology</i> , 2015, 15, 200-201.	0.5	4
48	The dynamics of Rho GTPase signaling and implications for targeting cancer and the tumor microenvironment. <i>Small GTPases</i> , 2015, 6, 123-133.	0.7	37
49	FAK signaling in human cancer as a target for therapeutics. , 2015, 146, 132-149.		317
50	ELF5 Drives Lung Metastasis in Luminal Breast Cancer through Recruitment of Gr1+ CD11b+ Myeloid-Derived Suppressor Cells. <i>PLoS Biology</i> , 2015, 13, e1002330.	2.6	59
51	The Rac-FRET Mouse Reveals Tight Spatiotemporal Control of Rac Activity in Primary Cells and Tissues. <i>Cell Reports</i> , 2014, 6, 1153-1164.	2.9	79
52	Developments in preclinical cancer imaging: innovating the discovery of therapeutics. <i>Nature Reviews Cancer</i> , 2014, 14, 314-328.	12.8	134
53	Three-dimensional cancer models mimic cell-matrix interactions in the tumour microenvironment. <i>Carcinogenesis</i> , 2014, 35, 1671-1679.	1.3	123
54	Cholesterol Regulates Syntaxin 6 Trafficking at trans-Golgi Network Endosomal Boundaries. <i>Cell Reports</i> , 2014, 7, 883-897.	2.9	104

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55	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, 761-773.	5.2	340
56	Intravital FLIM-FRET Imaging Reveals Dasatinib-Induced Spatial Control of Src in Pancreatic Cancer. <i>Cancer Research</i> , 2013, 73, 4674-4686.	0.4	111
57	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.	2.2	10
58	FLIM-FRET imaging in vivo reveals 3D-environment spatially regulates RhoGTPase activity during cancer cell invasion. <i>Small GTPases</i> , 2011, 2, 239-244.	0.7	25
59	P-Rex1 is required for efficient melanoblast migration and melanoma metastasis. <i>Nature Communications</i> , 2011, 2, 555.	5.8	152
60	Organotypic Collagen I Assay: A Malleable Platform to Assess Cell Behaviour in a 3-Dimensional Context. <i>Journal of Visualized Experiments</i> , 2011, , e3089.	0.2	66
61	Actomyosin-Mediated Cellular Tension Drives Increased Tissue Stiffness and β -Catenin Activation to Induce Epidermal Hyperplasia and Tumor Growth. <i>Cancer Cell</i> , 2011, 19, 776-791.	7.7	477
62	Spatial Regulation of RhoA Activity during Pancreatic Cancer Cell Invasion Driven by Mutant p53. <i>Cancer Research</i> , 2011, 71, 747-757.	0.4	127
63	Imaging molecular dynamics in vivo " from cell biology to animal models. <i>Journal of Cell Science</i> , 2011, 124, 2877-2890.	1.2	73
64	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.	0.4	122
65	Mutant p53 drives metastasis and overcomes growth arrest/senescence in pancreatic cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 246-251.	3.3	530
66	Dasatinib Inhibits the Development of Metastases in a Mouse Model of Pancreatic Ductal Adenocarcinoma. <i>Gastroenterology</i> , 2010, 139, 292-303.	0.6	123
67	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.	0.4	64
68	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.	0.4	87
69	Coordination of cell polarization and migration by the Rho family GTPases requires Src tyrosine kinase activity. <i>Current Biology</i> , 2001, 11, 1836-1846.	1.8	175