

Paul Robson

List of Publications by Year in Descending Order

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Version: 2024-04-27

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

90
papers

12,481
citations

46
h-index

107
g-index

107
ext. papers

15,114
ext. citations

11.7
avg, IF

5.94
L-index

#	Paper	IF	Citations
90	Transcriptional profiling of macrophages in situ in metastatic melanoma reveals localization-dependent phenotypes and function.. <i>Cell Reports Medicine</i> , 2022 , 3, 100621	18	1
89	TMOD-13. IDENTIFYING DRIVERS IN THE CONVERGING SYNTENIC REGIONS OF SPONTANEOUS CANINE AND PEDIATRIC HIGH-GRADE GLIOMA USING IMAGING BASED CRISPR-CAS9 ARRAY SCREEN. <i>Neuro-Oncology</i> , 2021 , 23, vi218-vi218	1	
88	Targeting p21 highly expressing cells in adipose tissue alleviates insulin resistance in obesity. <i>Cell Metabolism</i> , 2021 ,	24.6	6
87	Single-cell transcriptome analysis defines mesenchymal stromal cells in the mouse incisor dental pulp.. <i>Gene Expression Patterns</i> , 2021 , 43, 119228	1.5	
86	Patterns of transcription factor programs and immune pathway activation define four major subtypes of SCLC with distinct therapeutic vulnerabilities. <i>Cancer Cell</i> , 2021 , 39, 346-360.e7	24.3	107
85	Human KIT+ myeloid cells facilitate visceral metastasis by melanoma. <i>Journal of Experimental Medicine</i> , 2021 , 218,	16.6	1
84	Somatostatin-expressing parafacial neurons are CO/H sensitive and regulate baseline breathing. <i>ELife</i> , 2021 , 10,	8.9	2
83	Sarcomere function activates a p53-dependent DNA damage response that promotes polyploidization and limits in vivo cell engraftment. <i>Cell Reports</i> , 2021 , 35, 109088	10.6	4
82	RNA-Seq reveals changes in human placental metabolism, transport and endocrinology across the first-second trimester transition. <i>Biology Open</i> , 2021 , 10,	2.2	4
81	Corneal nonmyelinating Schwann cells illuminated by single-cell transcriptomics and visualized by protein biomarkers. <i>Journal of Neuroscience Research</i> , 2021 , 99, 731-749	4.4	3
80	Single-cell multimodal glioma analyses identify epigenetic regulators of cellular plasticity and environmental stress response. <i>Nature Genetics</i> , 2021 , 53, 1456-1468	36.3	9
79	Single nuclear RNA sequencing reveals microglia diversity associated with cognitive resilience in the AD-BXD mouse model of human Alzheimer's disease. <i>Alzheimers and Dementia</i> , 2020 , 16, e041543	1.2	
78	Antibody targeting of B7-H4 enhances the immune response in urothelial carcinoma. <i>Oncolmmunology</i> , 2020 , 9, 1744897	7.2	16
77	Transplanting cells from old but not young donors causes physical dysfunction in older recipients. <i>Aging Cell</i> , 2020 , 19, e13106	9.9	24
76	EPCO-27. GLIOMA SINGLE CELL MULTI-OMIC ANALYSES REVEALS REGULATORS OF PLASTICITY AND ADAPTIVE STRESS RESPONSE. <i>Neuro-Oncology</i> , 2020 , 22, ii75-ii75	1	
75	Cellular taxonomy and spatial organization of the murine ventral posterior hypothalamus. <i>ELife</i> , 2020 , 9,	8.9	10
74	Single-cell analyses reveal increased intratumoral heterogeneity after the onset of therapy resistance in small-cell lung cancer. <i>Nature Cancer</i> , 2020 , 1, 423-436	15.4	88

73	Mapping systemic lupus erythematosus heterogeneity at the single-cell level. <i>Nature Immunology</i> , 2020 , 21, 1094-1106	19.1	63
72	Cross-Species Single-Cell Analysis of Pancreatic Ductal Adenocarcinoma Reveals Antigen-Presenting Cancer-Associated Fibroblasts. <i>Cancer Discovery</i> , 2019 , 9, 1102-1123	24.4	479
71	Cellular senescence in progenitor cells contributes to diminished remyelination potential in progressive multiple sclerosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 9030-9039	11.5	93
70	Single-cell transcriptomic analysis of the lateral hypothalamic area reveals molecularly distinct populations of inhibitory and excitatory neurons. <i>Nature Neuroscience</i> , 2019 , 22, 642-656	25.5	108
69	Mapping the Global Chromatin Connectivity Network for Sox2 Function in Neural Stem Cell Maintenance. <i>Cell Stem Cell</i> , 2019 , 24, 462-476.e6	18	41
68	Dynamic changes in Sox2 spatio-temporal expression promote the second cell fate decision through / signaling in preimplantation mouse embryos. <i>Biochemical Journal</i> , 2018 , 475, 1075-1089	3.8	16
67	Single-Cell Transcriptional Profiling Reveals Cellular Diversity and Intercommunication in the Mouse Heart. <i>Cell Reports</i> , 2018 , 22, 600-610	10.6	258
66	Single cell transcriptome profiling of retinal ganglion cells identifies cellular subtypes. <i>Nature Communications</i> , 2018 , 9, 2759	17.4	194
65	Single-Cell Transcriptome Analysis Reveals Estrogen Signaling Coordinately Augments One-Carbon, Polyamine, and Purine Synthesis in Breast Cancer. <i>Cell Reports</i> , 2018 , 25, 2285-2298.e4	10.6	20
64	Assessment of established techniques to determine developmental and malignant potential of human pluripotent stem cells. <i>Nature Communications</i> , 2018 , 9, 1925	17.4	45
63	Reference component analysis of single-cell transcriptomes elucidates cellular heterogeneity in human colorectal tumors. <i>Nature Genetics</i> , 2017 , 49, 708-718	36.3	518
62	Single-cell transcriptomes identify human islet cell signatures and reveal cell-type-specific expression changes in type 2 diabetes. <i>Genome Research</i> , 2017 , 27, 208-222	9.7	254
61	The role of Cdx2 as a lineage specific transcriptional repressor for pluripotent network during the first developmental cell lineage segregation. <i>Scientific Reports</i> , 2017 , 7, 17156	4.9	35
60	Single-cell multimodal profiling reveals cellular epigenetic heterogeneity. <i>Nature Methods</i> , 2016 , 13, 833-6	21.6	97
59	Histone modifications and p53 binding poise the p21 promoter for activation in human embryonic stem cells. <i>Scientific Reports</i> , 2016 , 6, 28112	4.9	13
58	Tumor-derived circulating endothelial cell clusters in colorectal cancer. <i>Science Translational Medicine</i> , 2016 , 8, 345ra89	17.5	67
57	Transcriptional Intricacies of Stem Cells. <i>Cell Systems</i> , 2015 , 1, 100-1	10.6	1
56	Defining the three cell lineages of the human blastocyst by single-cell RNA-seq. <i>Development (Cambridge)</i> , 2015 , 142, 3151-65	6.6	223

55	Single-cell transcriptional analysis to uncover regulatory circuits driving cell fate decisions in early mouse development. <i>Bioinformatics</i> , 2015 , 31, 1060-6	7.2	35
54	Characterization of the neural stem cell gene regulatory network identifies OLIG2 as a multifunctional regulator of self-renewal. <i>Genome Research</i> , 2015 , 25, 41-56	9.7	47
53	Selective influence of Sox2 on POU transcription factor binding in embryonic and neural stem cells. <i>EMBO Reports</i> , 2015 , 16, 1177-91	6.5	35
52	Identification of cDC1- and cDC2-committed DC progenitors reveals early lineage priming at the common DC progenitor stage in the bone marrow. <i>Nature Immunology</i> , 2015 , 16, 718-28	19.1	325
51	The importance of study design for detecting differentially abundant features in high-throughput experiments. <i>Genome Biology</i> , 2014 , 15, 527	18.3	11
50	Integrative epigenome analysis identifies a Polycomb-targeted differentiation program as a tumor-suppressor event epigenetically inactivated in colorectal cancer. <i>Cell Death and Disease</i> , 2014 , 5, e1324	9.8	14
49	BMP signalling regulates the pre-implantation development of extra-embryonic cell lineages in the mouse embryo. <i>Nature Communications</i> , 2014 , 5, 5667	17.4	54
48	Bifurcation analysis of single-cell gene expression data reveals epigenetic landscape. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E5643-50	11.5	206
47	Deciphering developmental processes from single-cell transcriptomes. <i>Developmental Cell</i> , 2014 , 29, 260-1	10.2	1
46	The Brm-HDAC3-Erm repressor complex suppresses dedifferentiation in Drosophila type II neuroblast lineages. <i>ELife</i> , 2014 , 3, e01906	8.9	43
45	BCL-XL mediates the strong selective advantage of a 20q11.21 amplification commonly found in human embryonic stem cell cultures. <i>Stem Cell Reports</i> , 2013 , 1, 379-86	8	91
44	Oct4 switches partnering from Sox2 to Sox17 to reinterpret the enhancer code and specify endoderm. <i>EMBO Journal</i> , 2013 , 32, 938-53	13	129
43	Oct4 cell-autonomously promotes primitive endoderm development in the mouse blastocyst. <i>Developmental Cell</i> , 2013 , 25, 610-22	10.2	128
42	A genetic and developmental pathway from STAT3 to the OCT4-NANOG circuit is essential for maintenance of ICM lineages in vivo. <i>Genes and Development</i> , 2013 , 27, 1378-90	12.6	115
41	Co-motif discovery identifies an Esrrb-Sox2-DNA ternary complex as a mediator of transcriptional differences between mouse embryonic and epiblast stem cells. <i>Stem Cells</i> , 2013 , 31, 269-81	5.8	29
40	High throughput gene expression analysis identifies reliable expression markers of human corneal endothelial cells. <i>PLoS ONE</i> , 2013 , 8, e67546	3.7	45
39	Single-cell mRNA profiling identifies progenitor subclasses in neurospheres. <i>Stem Cells and Development</i> , 2012 , 21, 3351-62	4.4	15
38	Glycine decarboxylase activity drives non-small cell lung cancer tumor-initiating cells and tumorigenesis. <i>Cell</i> , 2012 , 148, 259-72	56.2	483

37	DNA-dependent Oct4-Sox2 interaction and diffusion properties characteristic of the pluripotent cell state revealed by fluorescence spectroscopy. <i>Biochemical Journal</i> , 2012 , 448, 21-33	3.8	34
36	Conversion of Sox17 into a pluripotency reprogramming factor by reengineering its association with Oct4 on DNA. <i>Stem Cells</i> , 2011 , 29, 940-51	5.8	75
35	Screening ethnically diverse human embryonic stem cells identifies a chromosome 20 minimal amplicon conferring growth advantage. <i>Nature Biotechnology</i> , 2011 , 29, 1132-44	44.5	406
34	Origin and formation of the first two distinct cell types of the inner cell mass in the mouse embryo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 6364-9	11.5	226
33	Conserved long noncoding RNAs transcriptionally regulated by Oct4 and Nanog modulate pluripotency in mouse embryonic stem cells. <i>Rna</i> , 2010 , 16, 324-37	5.8	257
32	Resolution of cell fate decisions revealed by single-cell gene expression analysis from zygote to blastocyst. <i>Developmental Cell</i> , 2010 , 18, 675-85	10.2	635
31	Gata3 regulates trophoblast development downstream of Tead4 and in parallel to Cdx2. <i>Development (Cambridge)</i> , 2010 , 137, 395-403	6.6	314
30	Eset partners with Oct4 to restrict extraembryonic trophoblast lineage potential in embryonic stem cells. <i>Genes and Development</i> , 2009 , 23, 2507-20	12.6	185
29	Unraveling the human embryonic stem cell phosphoproteome. <i>Cell Stem Cell</i> , 2009 , 5, 126-8	18	10
28	A core Klf circuitry regulates self-renewal of embryonic stem cells. <i>Nature Cell Biology</i> , 2008 , 10, 353-60	23.4	594
27	Sall4 regulates distinct transcription circuitries in different blastocyst-derived stem cell lineages. <i>Cell Stem Cell</i> , 2008 , 3, 543-54	18	171
26	Role of Cdx2 and cell polarity in cell allocation and specification of trophectoderm and inner cell mass in the mouse embryo. <i>Genes and Development</i> , 2008 , 22, 2692-706	12.6	188
25	Zfp206 is a transcription factor that controls pluripotency of embryonic stem cells. <i>Stem Cells</i> , 2007 , 25, 2173-82	5.8	45
24	Oct4 and Sox2 directly regulate expression of another pluripotency transcription factor, Zfp206, in embryonic stem cells. <i>Journal of Biological Chemistry</i> , 2007 , 282, 12822-30	5.4	48
23	Sall4 modulates embryonic stem cell pluripotency and early embryonic development by the transcriptional regulation of Pou5f1. <i>Nature Cell Biology</i> , 2006 , 8, 1114-23	23.4	445
22	The Oct4 and Nanog transcription network regulates pluripotency in mouse embryonic stem cells. <i>Nature Genetics</i> , 2006 , 38, 431-40	36.3	1920
21	Transcriptional regulation of nanog by OCT4 and SOX2. <i>Journal of Biological Chemistry</i> , 2005 , 280, 24731-4	15.4	794
20	Osteogenic differentiation within intact human embryoid bodies result in a marked increase in osteocalcin secretion after 12 days of in vitro culture, and formation of morphologically distinct nodule-like structures. <i>Tissue and Cell</i> , 2005 , 37, 325-34	2.7	65

19	Transcriptome profiling of human and murine ESCs identifies divergent paths required to maintain the stem cell state. <i>Stem Cells</i> , 2005 , 23, 166-85	5.8	175
18	Reciprocal transcriptional regulation of Pou5f1 and Sox2 via the Oct4/Sox2 complex in embryonic stem cells. <i>Molecular and Cellular Biology</i> , 2005 , 25, 6031-46	4.8	541
17	The maturing of the human embryonic stem cell transcriptome profile. <i>Trends in Biotechnology</i> , 2004 , 22, 609-12	15.1	22
16	Strategies for directing the differentiation of stem cells into the osteogenic lineage in vitro. <i>Journal of Bone and Mineral Research</i> , 2004 , 19, 1379-94	6.3	133
15	Regulation of the murine Nfatc1 gene by NFATc2. <i>Journal of Biological Chemistry</i> , 2002 , 277, 10704-11	5.4	100
14	The unusual cartilaginous tissues of jawless craniates, cephalochordates and invertebrates. <i>Cell and Tissue Research</i> , 2001 , 304, 165-74	4.2	52
13	Self-aggregation characteristics of recombinantly expressed human elastin polypeptides. <i>BBA - Proteins and Proteomics</i> , 2001 , 1550, 6-19		121
12	Inner cell mass-specific expression of a cell adhesion molecule (PECAM-1/CD31) in the mouse blastocyst. <i>Developmental Biology</i> , 2001 , 234, 317-29	3.1	63
11	The structure and organization of lamprin genes: multiple-copy genes with alternative splicing and convergent evolution with insect structural proteins. <i>Molecular Biology and Evolution</i> , 2000 , 17, 1739-52	8.3	23
10	Distinct non-collagen based cartilages comprising the endoskeleton of the Atlantic hagfish, <i>Myxine glutinosa</i> . <i>Anatomy and Embryology</i> , 2000 , 202, 281-90		25
9	Partial clone of the gene for AS protein of the lamprey <i>Petromyzon marinus</i> , a member of the albumin supergene family whose expression is restricted to the larval and metamorphic phases of the life cycle. <i>The Journal of Experimental Zoology</i> , 1998 , 282, 301-9		13
8	Identification and characterization of a serpin with differential expression during the life cycle of the sea lamprey. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1998 , 120, 253-63	2.3	3
7	A Family of Non-Collagen-Based Cartilages in the Skeleton of the Sea Lamprey, <i>Petromyzon marinus</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1997 , 118, 71-78	2.3	30
6	The appearance of proopiomelanocortin early in vertebrate evolution: cloning and sequencing of POMC from a Lamprey pituitary cDNA library. <i>General and Comparative Endocrinology</i> , 1995 , 99, 137-44	3	77
5	Decreased elastin synthesis in normal development and in long-term aortic organ and cell cultures is related to rapid and selective destabilization of mRNA for elastin. <i>Circulation Research</i> , 1995 , 77, 1107-13	15.7	52
4	CellView: Interactive exploration of high dimensional single cell RNA-seq data		7
3	Single-cell multimodal glioma analyses reveal epigenetic regulators of cellular plasticity and environmental stress response		2
2	Comprehensive Cell Type Specific Transcriptomics of the Human Kidney		10

1 A Cellular Reference Resource for the Mouse Urinary Bladder

1