

Patrick P L Tam

List of Publications by Year in Descending Order

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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.

82

papers

3,244

citations

28

h-index

56

g-index

284

ext. papers

4,050

ext. citations

10.3

avg, IF

5.46

L-index

#	Paper	IF	Citations
82	Early human embryonic development: Blastocyst formation to gastrulation.. <i>Developmental Cell</i> , 2022 , 57, 152-165	10.2	3
81	Differential impact of TGF β /SMAD signaling activity elicited by Activin A and Nodal on endoderm differentiation of epiblast stem cells.. <i>Genesis</i> , 2022 , e23466	1.9	
80	Visualization of the Cartilage and Bone Elements in the Craniofacial Structures by Alcian Blue and Alizarin Red Staining.. <i>Methods in Molecular Biology</i> , 2022 , 2403, 43-50	1.4	
79	Elucidation of Gene Expression Patterns in the Craniofacial Tissues of Mouse Embryos by Wholemount In Situ Hybridization.. <i>Methods in Molecular Biology</i> , 2022 , 2403, 33-42	1.4	
78	Identification and Visualization of Protein Expression in Whole Mouse Embryos by Immunofluorescence.. <i>Methods in Molecular Biology</i> , 2022 , 2490, 39-45	1.4	
77	Grafting of Epiblast Stem Cell into the Epiblast and Whole-Embryo Imaging to Unveil Lineage Competence.. <i>Methods in Molecular Biology</i> , 2022 , 2490, 269-279	1.4	
76	Exploring Chromatin Accessibility in Mouse Epiblast Stem Cells with ATAC-Seq.. <i>Methods in Molecular Biology</i> , 2022 , 2490, 93-100	1.4	
75	Mouse organogenesis atlas at single-cell resolution.. <i>Cell</i> , 2022 , 185, 1625-1627	56.2	
74	Loss of Impacts Neurulation and Cranial Neural Crest Specification During Early Head Development.. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 777652	5.7	
73	Opportunities and challenges with stem cell-based embryo models. <i>Stem Cell Reports</i> , 2021 , 16, 1031-1088		10
72	Defining cell identity beyond the premise of differential gene expression. <i>Cell Regeneration</i> , 2021 , 10, 20	2.5	0
71	TWIST1 and chromatin regulatory proteins interact to guide neural crest cell differentiation. <i>ELife</i> , 2021 , 10,	8.9	4
70	Pre-clinical Investigation of Rett Syndrome Using Human Stem Cell-Based Disease Models. <i>Frontiers in Neuroscience</i> , 2021 , 15, 698812	5.1	0
69	Uncovering cell identity through differential stability with Cepo. <i>Nature Computational Science</i> , 2021 , 1, 784-790		0
68	A cis-regulatory-directed pipeline for the identification of genes involved in cardiac development and disease.. <i>Genome Biology</i> , 2021 , 22, 335	18.3	
67	Prenet: Predictive network from ATAC-SEQ data. <i>Journal of Bioinformatics and Computational Biology</i> , 2020 , 18, 2040003	1	0
66	Diversity of left-right symmetry breaking strategy in animals. <i>F1000Research</i> , 2020 , 9,	3.6	8

65	Transcriptional network dynamics during the progression of pluripotency revealed by integrative statistical learning. <i>Nucleic Acids Research</i> , 2020 , 48, 1828-1842	20.1	6
64	Conserved Epigenetic Regulatory Logic Infers Genes Governing Cell Identity. <i>Cell Systems</i> , 2020 , 11, 625-638.e13	6.6	9
63	TWIST1 Homodimers and Heterodimers Orchestrate Lineage-Specific Differentiation. <i>Molecular and Cellular Biology</i> , 2020 , 40,	4.8	6
62	Cellular diversity and lineage trajectory: insights from mouse single cell transcriptomes. <i>Development (Cambridge)</i> , 2020 , 147,	6.6	9
61	Establishment of porcine and human expanded potential stem cells. <i>Nature Cell Biology</i> , 2019 , 21, 687-699.4	3.4	127
60	Mechanistic insights from the LHX1-driven molecular network in building the embryonic head. <i>Development Growth and Differentiation</i> , 2019 , 61, 327-336	3	5
59	Dynamics of Wnt activity on the acquisition of ectoderm potency in epiblast stem cells. <i>Development (Cambridge)</i> , 2019 , 146,	6.6	9
58	Single-Cell RNA-Seq Reveals Cellular Heterogeneity of Pluripotency Transition and X Chromosome Dynamics during Early Mouse Development. <i>Cell Reports</i> , 2019 , 26, 2593-2607.e3	10.6	47
57	Gene Editing of Mouse Embryonic and Epiblast Stem Cells. <i>Methods in Molecular Biology</i> , 2019 , 1940, 77-95	1.4	3
56	Molecular architecture of lineage allocation and tissue organization in early mouse embryo. <i>Nature</i> , 2019 , 572, 528-532	50.4	73
55	Ularcirc: visualization and enhanced analysis of circular RNAs via back and canonical forward splicing. <i>Nucleic Acids Research</i> , 2019 , 47, e123	20.1	14
54	Modeling the early development of a primate embryo. <i>Science</i> , 2019 , 366, 798-799	33.3	4
53	Suppressing Nodal Signaling Activity Predisposes Ectodermal Differentiation of Epiblast Stem Cells. <i>Stem Cell Reports</i> , 2018 , 11, 43-57	8	11
52	A gene regulatory network anchored by LIM homeobox 1 for embryonic head development. <i>Genesis</i> , 2018 , 56, e23246	1.9	4
51	Exploring early human embryo development. <i>Science</i> , 2018 , 360, 1075-1076	33.3	29
50	Single-Cell Transcriptomic Analysis of Cardiac Differentiation from Human PSCs Reveals HOPX-Dependent Cardiomyocyte Maturation. <i>Cell Stem Cell</i> , 2018 , 23, 586-598.e8	18	131
49	Mouse gastrulation: Attributes of transcription factor regulatory network for epiblast patterning. <i>Development Growth and Differentiation</i> , 2018 , 60, 463-472	3	5
48	Pluripotency of embryo-derived stem cells from rodents, lagomorphs, and primates: Slippery slope, terrace and cliff. <i>Stem Cell Research</i> , 2017 , 19, 104-112	1.6	12

47	Identification of liver-specific enhancer-promoter activity in the 3' untranslated region of the wild-type AAV2 genome. <i>Nature Genetics</i> , 2017 , 49, 1267-1273	36.3	55
46	Interactome of the inhibitory isoform of the nuclear transporter Importin 13. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017 , 1864, 546-561	4.9	9
45	New Insights into Early Human Development: Lessons for Stem Cell Derivation and Differentiation. <i>Cell Stem Cell</i> , 2017 , 20, 18-28	18	151
44	Establishment of mouse expanded potential stem cells. <i>Nature</i> , 2017 , 550, 393-397	50.4	128
43	Lineage specification of early embryos and embryonic stem cells at the dawn of enabling technologies. <i>National Science Review</i> , 2017 , 4, 533-542	10.8	3
42	Transcriptional targets of TWIST1 in the cranial mesoderm regulate cell-matrix interactions and mesenchyme maintenance. <i>Developmental Biology</i> , 2016 , 418, 189-203	3.1	17
41	Affective dysfunction in a mouse model of Rett syndrome: Therapeutic effects of environmental stimulation and physical activity. <i>Developmental Neurobiology</i> , 2016 , 76, 209-24	3.2	18
40	Thyroid bud morphogenesis requires CDC42- and SHROOM3-dependent apical constriction. <i>Biology Open</i> , 2016 , 5, 130-9	2.2	6
39	Spatial Transcriptome for the Molecular Annotation of Lineage Fates and Cell Identity in Mid-gastrula Mouse Embryo. <i>Developmental Cell</i> , 2016 , 36, 681-97	10.2	147
38	Human Stem Cells Can Differentiate in Post-implantation Mouse Embryos. <i>Cell Stem Cell</i> , 2016 , 18, 3-4	18	4
37	Generation of genome-edited mouse epiblast stem cells via a detour through ES cell-chimeras. <i>Differentiation</i> , 2016 , 91, 119-25	3.5	9
36	Tissue interactions, cell signaling and transcriptional control in the cranial mesoderm during craniofacial development. <i>AIMS Genetics</i> , 2016 , 03, 074-098	2.1	13
35	Conditional restoration and inactivation of Rbm47 reveal its tissue-context requirement for viability and growth. <i>Genesis</i> , 2016 , 54, 115-22	1.9	9
34	β Integrin of Cell-Cell Contact Mediates Kidney Fibrosis by Integrin-Linked Kinase in Proximal Tubular E-Cadherin Deficient Mice. <i>American Journal of Pathology</i> , 2016 , 186, 1847-1860	5.8	18
33	Formation of the Embryonic Head in the Mouse: Attributes of a Gene Regulatory Network. <i>Current Topics in Developmental Biology</i> , 2016 , 117, 497-521	5.3	3
32	Dataset of TWIST1-regulated genes in the cranial mesoderm and a transcriptome comparison of cranial mesoderm and cranial neural crest. <i>Data in Brief</i> , 2016 , 9, 372-375	1.2	1
31	Mutations in SIPA1L3 cause eye defects through disruption of cell polarity and cytoskeleton organization. <i>Human Molecular Genetics</i> , 2015 , 24, 5789-804	5.6	30
30	Deletion of protein tyrosine phosphatase, non-receptor type 4 (PTPN4) in twins with a Rett syndrome-like phenotype. <i>European Journal of Human Genetics</i> , 2015 , 23, 1171-5	5.3	8

29	Cellular basis of neuroepithelial bending during mouse spinal neural tube closure. <i>Developmental Biology</i> , 2015 , 404, 113-24	3.1	44
28	Context-specific function of the LIM homeobox 1 transcription factor in head formation of the mouse embryo. <i>Development (Cambridge)</i> , 2015 , 142, 2069-79	6.6	19
27	The transcriptional and functional properties of mouse epiblast stem cells resemble the anterior primitive streak. <i>Cell Stem Cell</i> , 2014 , 14, 107-20	18	194
26	Differential response of epiblast stem cells to Nodal and Activin signalling: a paradigm of early endoderm development in the embryo. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014 , 369,	5.8	12
25	C to U RNA editing mediated by APOBEC1 requires RNA-binding protein RBM47. <i>EMBO Reports</i> , 2014 , 15, 903-10	6.5	66
24	Timing of developmental events in the early mouse embryo. <i>Seminars in Cell and Developmental Biology</i> , 2014 , 34, 65-75	7.5	75
23	Mechanisms of left-right asymmetry and patterning: driver, mediator and responder. <i>F1000prime Reports</i> , 2014 , 6, 110		32
22	Timed deletion of Twist1 in the limb bud reveals age-specific impacts on autopod and zeugopod patterning. <i>PLoS ONE</i> , 2014 , 9, e98945	3.7	7
21	Head formation: OTX2 regulates Dkk1 and Lhx1 activity in the anterior mesendoderm. <i>Development (Cambridge)</i> , 2014 , 141, 3859-67	6.6	20
20	At the heart of the matter. <i>DMM Disease Models and Mechanisms</i> , 2010 , 3, 676-677	4.1	
19	Specifying mouse embryonic germ cells. <i>Cell</i> , 2009 , 137, 398-400	56.2	8
18	Gene function in mouse embryogenesis: get set for gastrulation. <i>Nature Reviews Genetics</i> , 2007 , 8, 368-83	30.1	433
17	Gene expression pattern and progression of embryogenesis in the immediate post-implantation period of mouse development. <i>Gene Expression Patterns</i> , 2007 , 7, 558-73	1.5	95
16	Sequential allocation and global pattern of movement of the definitive endoderm in the mouse embryo during gastrulation. <i>Development (Cambridge)</i> , 2007 , 134, 251-60	6.6	72
15	Anne McLaren 1927-2007. <i>Cell</i> , 2007 , 130, 201-3	56.2	0
14	Building the mouse gastrula: signals, asymmetry and lineages. <i>Current Opinion in Genetics and Development</i> , 2006 , 16, 419-25	4.9	86
13	Embryonic axes: the long and short of it in the mouse. <i>Current Biology</i> , 2004 , 14, R239-41	6.3	5
12	Regionalization of cell fates and cell movement in the endoderm of the mouse gastrula and the impact of loss of Lhx1(Lim1) function. <i>Developmental Biology</i> , 2004 , 274, 171-87	3.1	56

11	Mouse embryonic chimeras: tools for studying mammalian development. <i>Development (Cambridge)</i> , 2003 , 130, 6155-63	6.6	148
10	Early endoderm development in vertebrates: lineage differentiation and morphogenetic function. <i>Current Opinion in Genetics and Development</i> , 2003 , 13, 393-400	4.9	153
9	Morphogenetic tissue movement and the establishment of body plan during development from blastocyst to gastrula in the mouse. <i>BioEssays</i> , 2001 , 23, 508-17	4.1	37
8	Genetic and developmental analysis of X-inactivation in interspecific hybrid mice suggests a role for the Y chromosome in placental dysplasia. <i>Genetics</i> , 2001 , 157, 341-8	4	23
7	Unrestricted lineage differentiation of parthenogenetic ES cells. <i>Development Genes and Evolution</i> , 1997 , 206, 377-388	1.8	15
6	Mouse endogenous X-linked genes do not show lineage-specific delayed inactivation during development. <i>Genetical Research</i> , 1995 , 65, 223-7	1.1	20
5	Tissue-specific and differential expression of alternatively spliced alpha 1(II) collagen mRNAs in early human embryos. <i>Developmental Dynamics</i> , 1995 , 203, 198-211	2.9	81
4	Regionalisation of cell fate and morphogenetic movement of the mesoderm during mouse gastrulation. <i>Genesis</i> , 1995 , 17, 16-28		119
3	Expression of an X-linked HMG-lacZ transgene in mouse embryos: implication of chromosomal imprinting and lineage-specific X-chromosome activity. <i>Genesis</i> , 1994 , 15, 491-503		39
2	Specification and segmentation of the paraxial mesoderm. <i>Anatomy and Embryology</i> , 1994 , 189, 275-305		133
1	Gastrulation in the mouse embryo: ultrastructural and molecular aspects of germ layer morphogenesis. <i>Microscopy Research and Technique</i> , 1993 , 26, 301-28	2.8	82