

# Takuya Yamamoto

## 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.

107  
papers

5,809  
citations

41  
h-index

75  
g-index

120  
ext. papers

7,286  
ext. citations

12.4  
avg, IF

5.38  
L-index

#	Paper	IF	Citations
107	A versatile and robust cell purification system with an RNA-only circuit composed of microRNA-responsive ON and OFF switches.. <i>Science Advances</i> , <b>2022</b> , 8, eabj1793	14.3	1
106	Resistance to chemical carcinogenesis induction via a dampened inflammatory response in naked mole-rats.. <i>Communications Biology</i> , <b>2022</b> , 5, 287	6.7	0
105	Functional primordial germ cell-like cells from pluripotent stem cells in rats.. <i>Science</i> , <b>2022</b> , 376, 176-179	33.3	1
104	The oncogene-dependent resistance to reprogramming unveils cancer therapeutic targets.. <i>Cell Reports</i> , <b>2022</b> , 39, 110721	10.6	0
103	Multi-omics approach reveals posttranscriptionally regulated genes are essential for human pluripotent stem cells.. <i>iScience</i> , <b>2022</b> , 25, 104289	6.1	0
102	Inherent genomic properties underlie the epigenomic heterogeneity of human induced pluripotent stem cells. <i>Cell Reports</i> , <b>2021</b> , 37, 109909	10.6	0
101	The X chromosome dosage compensation program during the development of cynomolgus monkeys. <i>Science</i> , <b>2021</b> , 374, eabd8887	33.3	6
100	Extracellular laminin regulates hematopoietic potential of pluripotent stem cells through integrin $\beta$ -ILK- $\beta$ -catenin-JUN axis. <i>Stem Cell Research</i> , <b>2021</b> , 53, 102287	1.6	3
99	The embryonic ontogeny of the gonadal somatic cells in mice and monkeys. <i>Cell Reports</i> , <b>2021</b> , 35, 109075	5.6	5
98	Modeling SARS-CoV-2 infection and its individual differences with ACE2-expressing human iPS cells. <i>iScience</i> , <b>2021</b> , 24, 102428	6.1	3
97	Capturing human trophoblast development with naive pluripotent stem cells in vitro. <i>Cell Stem Cell</i> , <b>2021</b> , 28, 1023-1039.e13	18	45
96	Cyclosporin A and FGF signaling support the proliferation/survival of mouse primordial germ cell-like cells in vitro. <i>Biology of Reproduction</i> , <b>2021</b> , 104, 344-360	3.9	8
95	Epithelial expression of Gata4 and Sox2 regulates specification of the squamous-columnar junction via MAPK/ERK signaling in mice. <i>Nature Communications</i> , <b>2021</b> , 12, 560	17.4	4
94	An interplay of NOX1-derived ROS and oxygen determines the spermatogonial stem cell self-renewal efficiency under hypoxia. <i>Genes and Development</i> , <b>2021</b> , 35, 250-260	12.6	7
93	RNA-Sequencing Analysis of Differentially Expressed Genes in Human iPSC-Derived Cardiomyocytes. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2320, 193-217	1.4	1
92	Retinoic acid regulates erythropoietin production cooperatively with hypoxia-inducible factors in human iPSC-derived erythropoietin-producing cells. <i>Scientific Reports</i> , <b>2021</b> , 11, 3936	4.9	1
91	GATA transcription factors, SOX17 and TFAP2C, drive the human germ-cell specification program. <i>Life Science Alliance</i> , <b>2021</b> , 4,	5.8	6

90	DMRT1-mediated reprogramming drives development of cancer resembling human germ cell tumors with features of totipotency. <i>Nature Communications</i> , <b>2021</b> , 12, 5041	17.4	2
89	In vitro reconstitution of the whole male germ-cell development from mouse pluripotent stem cells. <i>Cell Stem Cell</i> , <b>2021</b> , 28, 2167-2179.e9	18	12
88	Long-term expansion with germline potential of human primordial germ cell-like cells in vitro. <i>EMBO Journal</i> , <b>2020</b> , 39, e104929	13	15
87	Recapitulating the human segmentation clock with pluripotent stem cells. <i>Nature</i> , <b>2020</b> , 580, 124-129	50.4	62
86	Identification of distinct loci for de novo DNA methylation by DNMT3A and DNMT3B during mammalian development. <i>Nature Communications</i> , <b>2020</b> , 11, 3199	17.4	19
85	ZGLP1 is a determinant for the oogenic fate in mice. <i>Science</i> , <b>2020</b> , 367,	33.3	30
84	RNA-binding protein Ptbp1 regulates alternative splicing and transcriptome in spermatogonia and maintains spermatogenesis in concert with Nanos3. <i>Journal of Reproduction and Development</i> , <b>2020</b> , 66, 459-467	2.1	1
83	Induction of the germ cell fate from pluripotent stem cells in cynomolgus monkeys. <i>Biology of Reproduction</i> , <b>2020</b> , 102, 620-638	3.9	15
82	Cell-type dependent enhancer binding of the EWS/ATF1 fusion gene in clear cell sarcomas. <i>Nature Communications</i> , <b>2019</b> , 10, 3999	17.4	8
81	Smarcb1 maintains the cellular identity and the chromatin landscapes of mouse embryonic stem cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2019</b> , 519, 705-713	3.4	2
80	De Novo DNA Methylation at Imprinted Loci during Reprogramming into Naive and Primed Pluripotency. <i>Stem Cell Reports</i> , <b>2019</b> , 12, 1113-1128	8	9
79	Human Pluripotent Stem Cell-Derived Tumor Model Uncovers the Embryonic Stem Cell Signature as a Key Driver in Atypical Teratoid/Rhabdoid Tumor. <i>Cell Reports</i> , <b>2019</b> , 26, 2608-2621.e6	10.6	14
78	Differentiation and isolation of iPSC-derived remodeling ductal plate-like cells by use of an AQP1-GFP reporter human iPSC line. <i>Stem Cell Research</i> , <b>2019</b> , 35, 101400	1.6	3
77	Exocrine tissue-driven TFF2 prevents apoptotic cell death of endocrine lineage during pancreas organogenesis. <i>Scientific Reports</i> , <b>2019</b> , 9, 1636	4.9	5
76	Aging of spermatogonial stem cells by Jnk-mediated glycolysis activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 16404-16409	11.5	23
75	Core Transcription Factors Promote Induction of PAX3-Positive Skeletal Muscle Stem Cells. <i>Stem Cell Reports</i> , <b>2019</b> , 13, 352-365	8	14
74	Metalloprotease-Dependent Attenuation of BMP Signaling Restricts Cardiac Neural Crest Cell Fate. <i>Cell Reports</i> , <b>2019</b> , 29, 603-616.e5	10.6	3
73	ROS amplification drives mouse spermatogonial stem cell self-renewal. <i>Life Science Alliance</i> , <b>2019</b> , 2,	5.8	13

72	OVOL1 Influences the Determination and Expansion of iPSC Reprogramming Intermediates. <i>Stem Cell Reports</i> , <b>2019</b> , 12, 319-332	8	7
71	Srf destabilizes cellular identity by suppressing cell-type-specific gene expression programs. <i>Nature Communications</i> , <b>2018</b> , 9, 1387	17.4	18
70	Turbulence Activates Platelet Biogenesis to Enable Clinical Scale ExVivo Production. <i>Cell</i> , <b>2018</b> , 174, 636-648.e18	56.2	140
69	Unveiling epigenetic regulation in cancer, aging, and rejuvenation with inVivo reprogramming technology. <i>Cancer Science</i> , <b>2018</b> , 109, 2641-2650	6.9	10
68	A $\beta$ -tubulin-based megakaryocyte maturation reporter system identifies novel drugs that promote platelet production. <i>Blood Advances</i> , <b>2018</b> , 2, 2262-2272	7.8	17
67	Generation of human oogonia from induced pluripotent stem cells in vitro. <i>Science</i> , <b>2018</b> , 362, 356-360	33.3	120
66	In vivo reprogramming drives Kras-induced cancer development. <i>Nature Communications</i> , <b>2018</b> , 9, 2081	17.4	31
65	Activin A in combination with ERK1/2 MAPK pathway inhibition sustains propagation of mouse embryonic stem cells. <i>Genes To Cells</i> , <b>2017</b> , 22, 189-202	2.3	6
64	Cellular context-dependent consequences of Apc mutations on gene regulation and cellular behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 758-763	11.5	12
63	Antagonistic Interactions between Extracellular Signal-Regulated Kinase Mitogen-Activated Protein Kinase and Retinoic Acid Receptor Signaling in Colorectal Cancer Cells. <i>Molecular and Cellular Biology</i> , <b>2017</b> , 37,	4.8	6
62	Hybrid Cellular Metabolism Coordinated by Zic3 and Esrrb Synergistically Enhances Induction of Naive Pluripotency. <i>Cell Metabolism</i> , <b>2017</b> , 25, 1103-1117.e6	24.6	51
61	Clonal variation of human induced pluripotent stem cells for induction into the germ cell fate. <i>Biology of Reproduction</i> , <b>2017</b> , 96, 1154-1166	3.9	31
60	The Src/c-Abl pathway is a potential therapeutic target in amyotrophic lateral sclerosis. <i>Science Translational Medicine</i> , <b>2017</b> , 9,	17.5	134
59	expansion of mouse primordial germ cell-like cells recapitulates an epigenetic blank slate. <i>EMBO Journal</i> , <b>2017</b> , 36, 1888-1907	13	62
58	Discrimination of Stem Cell Status after Subjecting Cynomolgus Monkey Pluripotent Stem Cells to Naive Conversion. <i>Scientific Reports</i> , <b>2017</b> , 7, 45285	4.9	13
57	Nat1 promotes translation of specific proteins that induce differentiation of mouse embryonic stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 340-345	11.5	43
56	Evolutionarily Distinctive Transcriptional and Signaling Programs Drive Human Germ Cell Lineage Specification from Pluripotent Stem Cells. <i>Cell Stem Cell</i> , <b>2017</b> , 21, 517-532.e5	18	88
55	Bone morphogenetic protein and retinoic acid synergistically specify female germ-cell fate in mice. <i>EMBO Journal</i> , <b>2017</b> , 36, 3100-3119	13	67

54	Analysis of neural crest cells from Charcot-Marie-Tooth disease patients demonstrates disease-relevant molecular signature. <i>NeuroReport</i> , <b>2017</b> , 28, 814-821	1.7	7
53	Antisense Oligonucleotides Reduce RNA Foci in Spinocerebellar Ataxia 36 Patient iPSCs. <i>Molecular Therapy - Nucleic Acids</i> , <b>2017</b> , 8, 211-219	10.7	19
52	Derivation of ground-state female ES cells maintaining gamete-derived DNA methylation. <i>Nature</i> , <b>2017</b> , 548, 224-227	50.4	110
51	Structural and spatial chromatin features at developmental gene loci in human pluripotent stem cells. <i>Nature Communications</i> , <b>2017</b> , 8, 1616	17.4	6
50	Proteasome impairment in neural cells derived from HMSN-P patient iPSCs. <i>Molecular Brain</i> , <b>2017</b> , 10, 7	4.5	11
49	The Sexual Dimorphism of Dietary Restriction Responsiveness in <i>Caenorhabditis elegans</i> . <i>Cell Reports</i> , <b>2017</b> , 21, 3646-3652	10.6	15
48	Principles for the regulation of multiple developmental pathways by a versatile transcriptional factor, BLIMP1. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, 12152-12169	20.1	11
47	A developmental coordinate of pluripotency among mice, monkeys and humans. <i>Nature</i> , <b>2016</b> , 537, 57-63	30.4	271
46	Identification of MMP1 as a novel risk factor for intracranial aneurysms in ADPKD using iPSC models. <i>Scientific Reports</i> , <b>2016</b> , 6, 30013	4.9	26
45	Shifting transcriptional machinery is required for long-term memory maintenance and modification in <i>Drosophila</i> mushroom bodies. <i>Nature Communications</i> , <b>2016</b> , 7, 13471	17.4	40
44	An EWS-FLI1-Induced Osteosarcoma Model Unveiled a Crucial Role of Impaired Osteogenic Differentiation on Osteosarcoma Development. <i>Stem Cell Reports</i> , <b>2016</b> , 6, 592-606	8	12
43	Persistent Requirement and Alteration of the Key Targets of PRDM1 During Primordial Germ Cell Development in Mice. <i>Biology of Reproduction</i> , <b>2016</b> , 94, 7	3.9	10
42	In Vitro Derivation and Propagation of Spermatogonial Stem Cell Activity from Mouse Pluripotent Stem Cells. <i>Cell Reports</i> , <b>2016</b> , 17, 2789-2804	10.6	91
41	The Germ Cell Fate of <i>Cynomolgus</i> Monkeys Is Specified in the Nascent Amnion. <i>Developmental Cell</i> , <b>2016</b> , 39, 169-185	10.2	156
40	Robust In Vitro Induction of Human Germ Cell Fate from Pluripotent Stem Cells. <i>Cell Stem Cell</i> , <b>2015</b> , 17, 178-94	18	276
39	KLF4 N-terminal variance modulates induced reprogramming to pluripotency. <i>Stem Cell Reports</i> , <b>2015</b> , 4, 727-43	8	27
38	Quantitative Dynamics of Chromatin Remodeling during Germ Cell Specification from Mouse Embryonic Stem Cells. <i>Cell Stem Cell</i> , <b>2015</b> , 16, 517-32	18	127
37	New Protocol to Optimize iPS Cells for Genome Analysis of Fibrodysplasia Ossificans Progressiva. <i>Stem Cells</i> , <b>2015</b> , 33, 1730-42	5.8	39

36	Secreted Ephrin Receptor A7 Promotes Somatic Cell Reprogramming by Inducing ERK Activity Reduction. <i>Stem Cell Reports</i> , <b>2015</b> , 5, 480-9	8	9
35	SC3-seq: a method for highly parallel and quantitative measurement of single-cell gene expression. <i>Nucleic Acids Research</i> , <b>2015</b> , 43, e60	20.1	79
34	Induction of Pluripotency in Astrocytes through a Neural Stem Cell-like State. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 31173-88	5.4	10
33	Premature termination of reprogramming in vivo leads to cancer development through altered epigenetic regulation. <i>Cell</i> , <b>2014</b> , 156, 663-77	56.2	286
32	miR-195/497 induce postnatal quiescence of skeletal muscle stem cells. <i>Nature Communications</i> , <b>2014</b> , 5, 4597	17.4	63
31	Derivation of mesenchymal stromal cells from pluripotent stem cells through a neural crest lineage using small molecule compounds with defined media. <i>PLoS ONE</i> , <b>2014</b> , 9, e112291	3.7	108
30	Global splicing pattern reversion during somatic cell reprogramming. <i>Cell Reports</i> , <b>2013</b> , 5, 357-66	10.6	46
29	A fasting-responsive signaling pathway that extends life span in <i>C. elegans</i> . <i>Cell Reports</i> , <b>2013</b> , 3, 79-91	10.6	67
28	Dose-dependent roles for canonical Wnt signalling in de novo crypt formation and cell cycle properties of the colonic epithelium. <i>Development (Cambridge)</i> , <b>2013</b> , 140, 66-75	6.6	54
27	Response to comment on "Drug screening for ALS using patient-specific induced pluripotent stem cells". <i>Science Translational Medicine</i> , <b>2013</b> , 5, 188lr2	17.5	3
26	Transcription factors interfering with dedifferentiation induce cell type-specific transcriptional profiles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 6412-7	11.5	31
25	Efficient and reproducible myogenic differentiation from human iPS cells: prospects for modeling Miyoshi Myopathy in vitro. <i>PLoS ONE</i> , <b>2013</b> , 8, e61540	3.7	150
24	Fetal skeletal muscle progenitors have regenerative capacity after intramuscular engraftment in dystrophin deficient mice. <i>PLoS ONE</i> , <b>2013</b> , 8, e63016	3.7	9
23	Dose-dependent roles for canonical Wnt signalling in de novo crypt formation and cell cycle properties of the colonic epithelium. <i>Journal of Cell Science</i> , <b>2013</b> , 126, e1-e1	5.3	1
22	Genetically matched human iPS cells reveal that propensity for cartilage and bone differentiation differs with clones, not cell type of origin. <i>PLoS ONE</i> , <b>2013</b> , 8, e53771	3.7	45
21	A small molecule that promotes cardiac differentiation of human pluripotent stem cells under defined, cytokine- and xeno-free conditions. <i>Cell Reports</i> , <b>2012</b> , 2, 1448-60	10.6	203
20	Induced pluripotent stem cells from CINCA syndrome patients as a model for dissecting somatic mosaicism and drug discovery. <i>Blood</i> , <b>2012</b> , 120, 1299-308	2.2	45
19	Drug screening for ALS using patient-specific induced pluripotent stem cells. <i>Science Translational Medicine</i> , <b>2012</b> , 4, 145ra104	17.5	390

18	ABL1 regulates spindle orientation in adherent cells and mammalian skin. <i>Nature Communications</i> , <b>2012</b> , 3, 626	17.4	55
17	ERK5 regulates muscle cell fusion through Klf transcription factors. <i>Developmental Cell</i> , <b>2011</b> , 20, 192-205.	5.2	75
16	The kinase SGK1 in the endoderm and mesoderm promotes ectodermal survival by down-regulating components of the death-inducing signaling complex. <i>Science Signaling</i> , <b>2011</b> , 4, ra2	8.8	15
15	Revolving movement of a dynamic cluster of actin filaments during mitosis. <i>Journal of Cell Biology</i> , <b>2010</b> , 191, 453-62	7.3	51
14	Noninvasive method for assessing the human circadian clock using hair follicle cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 15643-8	11.5	131
13	Signalling through RHEB-1 mediates intermittent fasting-induced longevity in <i>C. elegans</i> . <i>Nature</i> , <b>2009</b> , 457, 726-30	50.4	194
12	Ripples from neighbouring transcription. <i>Nature Cell Biology</i> , <b>2008</b> , 10, 1106-13	23.4	203
11	Requirement for ERK MAP kinase in mouse preimplantation development. <i>Development (Cambridge)</i> , <b>2007</b> , 134, 2751-9	6.6	27
10	Continuous ERK activation downregulates antiproliferative genes throughout G1 phase to allow cell-cycle progression. <i>Current Biology</i> , <b>2006</b> , 16, 1171-82	6.3	181
9	ERK MAP kinase in G cell cycle progression and cancer. <i>Cancer Science</i> , <b>2006</b> , 97, 697-702	6.9	182
8	Requirement of the MAP kinase signaling pathways for mouse preimplantation development. <i>Development (Cambridge)</i> , <b>2005</b> , 132, 1773-83	6.6	51
7	Regulatory mechanisms and function of ERK MAP kinases. <i>Journal of Biochemistry</i> , <b>2004</b> , 136, 557-61	3.1	100
6	Sef is a spatial regulator for Ras/MAP kinase signaling. <i>Developmental Cell</i> , <b>2004</b> , 7, 33-44	10.2	244
5	Regulation of subcellular localization of the antiproliferative protein Tob by its nuclear export signal and bipartite nuclear localization signal sequences. <i>Experimental Cell Research</i> , <b>2004</b> , 295, 59-65	4.2	17
4	Modular structure of a docking surface on MAPK phosphatases. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 22942-9	5.4	59
3	A Novel MAPK phosphatase MKP-7 acts preferentially on JNK/SAPK and p38 alpha and beta MAPKs. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 26629-39	5.4	130
2	Generation of human bronchial organoids for SARS-CoV-2 research		34
1	Nucleome programming is required for the foundation of totipotency in mammalian germline development. <i>EMBO Journal</i> ,	13	1

