

# Takanori Takebe

## List of Publications by Year in descending order

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Version: 2024-02-01

77  
papers

6,084  
citations

172457

29  
h-index

106344

65  
g-index

81  
all docs

81  
docs citations

81  
times ranked

6925  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vascularized and functional human liver from an iPSC-derived organ bud transplant. <i>Nature</i> , 2013, 499, 481-484.	27.8	1,689
2	Multilineage communication regulates human liver bud development from pluripotency. <i>Nature</i> , 2017, 546, 533-538.	27.8	458
3	Vascularized and Complex Organ Buds from Diverse Tissues via Mesenchymal Cell-Driven Condensation. <i>Cell Stem Cell</i> , 2015, 16, 556-565.	11.1	372
4	Generation of a vascularized and functional human liver from an iPSC-derived organ bud transplant. <i>Nature Protocols</i> , 2014, 9, 396-409.	12.0	311
5	Modeling Steatohepatitis in Humans with Pluripotent Stem Cell-Derived Organoids. <i>Cell Metabolism</i> , 2019, 30, 374-384.e6.	16.2	303
6	Massive and Reproducible Production of Liver Buds Entirely from Human Pluripotent Stem Cells. <i>Cell Reports</i> , 2017, 21, 2661-2670.	6.4	282
7	Organoids by design. <i>Science</i> , 2019, 364, 956-959.	12.6	244
8	Synergistic Engineering: Organoids Meet Organs-on-a-Chip. <i>Cell Stem Cell</i> , 2017, 21, 297-300.	11.1	200
9	Modelling human hepato-biliary-pancreatic organogenesis from the foregut-midgut boundary. <i>Nature</i> , 2019, 574, 112-116.	27.8	199
10	High-Fidelity Drug-Induced Liver Injury Screen Using Human Pluripotent Stem Cell-Derived Organoids. <i>Gastroenterology</i> , 2021, 160, 831-846.e10.	1.3	168
11	Recapitulation of hepatitis B virus-host interactions in liver organoids from human induced pluripotent stem cells. <i>EBioMedicine</i> , 2018, 35, 114-123.	6.1	135
12	Building consensus on definition and nomenclature of hepatic, pancreatic, and biliary organoids. <i>Cell Stem Cell</i> , 2021, 28, 816-832.	11.1	133
13	Single cell transcriptomics identifies a signaling network coordinating endoderm and mesoderm diversification during foregut organogenesis. <i>Nature Communications</i> , 2020, 11, 4158.	12.8	129
14	Paracrine signals regulate human liver organoid maturation from iPSC. <i>Development (Cambridge)</i> , 2017, 144, 1056-1064.	2.5	104
15	Self-Condensation Culture Enables Vascularization of Tissue Fragments for Efficient Therapeutic Transplantation. <i>Cell Reports</i> , 2018, 23, 1620-1629.	6.4	102
16	Reconstruction of human elastic cartilage by a CD44 <sup>+</sup> CD90 <sup>+</sup> stem cell in the ear perichondrium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 14479-14484.	7.1	92
17	Simultaneous Zn <sup>2+</sup> tracking in multiple organelles using super-resolution morphology-correlated organelle identification in living cells. <i>Nature Communications</i> , 2021, 12, 109.	12.8	71
18	De Novo-Designed Near-Infrared Nanoaggregates for Super-Resolution Monitoring of Lysosomes in Cells, in Whole Organoids, and in Vivo. <i>ACS Nano</i> , 2019, 13, 14426-14436.	14.6	63

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19	Human iPSC-Derived Posterior Gut Progenitors Are Expandable and Capable of Forming Gut and Liver Organoids. <i>Stem Cell Reports</i> , 2018, 10, 780-793.	4.8	60
20	Presence of Cartilage Stem/Progenitor Cells in Adult Mice Auricular Perichondrium. <i>PLoS ONE</i> , 2011, 6, e26393.	2.5	55
21	Polygenic architecture informs potential vulnerability to drug-induced liver injury. <i>Nature Medicine</i> , 2020, 26, 1541-1548.	30.7	55
22	Organoid Center Strategies for Accelerating Clinical Translation. <i>Cell Stem Cell</i> , 2018, 22, 806-809.	11.1	43
23	Novel strategies for liver therapy using stem cells. <i>Gut</i> , 2015, 64, 1-4.	12.1	42
24	Common Genetic Variation in Humans Impacts In Vitro Susceptibility to SARS-CoV-2 Infection. <i>Stem Cell Reports</i> , 2021, 16, 505-518.	4.8	39
25	Reverse engineering liver buds through self-driven condensation and organization towards medical application. <i>Developmental Biology</i> , 2016, 420, 221-229.	2.0	37
26	Optimal Hypoxia Regulates Human iPSC-Derived Liver Bud Differentiation through Intercellular TGF $\beta$ Signaling. <i>Stem Cell Reports</i> , 2018, 11, 306-316.	4.8	37
27	Fetal liver hematopoiesis: from development to delivery. <i>Stem Cell Research and Therapy</i> , 2021, 12, 139.	5.5	36
28	Autotransplantation of Monkey Ear Perichondrium-Derived Progenitor Cells for Cartilage Reconstruction. <i>Cell Transplantation</i> , 2016, 25, 951-962.	2.5	34
29	The generation of pancreatic $\beta$ -cell spheroids in a simulated microgravity culture system. <i>Biomaterials</i> , 2013, 34, 5785-5791.	11.4	32
30	Engineering of human hepatic tissue with functional vascular networks. <i>Organogenesis</i> , 2014, 10, 260-267.	1.2	31
31	The $\beta$ -catenin/YAP signaling axis is a key regulator of melanoma-associated fibroblasts. <i>Signal Transduction and Targeted Therapy</i> , 2019, 4, 63.	17.1	31
32	Engineering human hepato-biliary-pancreatic organoids from pluripotent stem cells. <i>Nature Protocols</i> , 2021, 16, 919-936.	12.0	30
33	Polycomb Group Protein Ezh2 Regulates Hepatic Progenitor Cell Proliferation and Differentiation in Murine Embryonic Liver. <i>PLoS ONE</i> , 2014, 9, e104776.	2.5	29
34	Generation of multi-cellular human liver organoids from pluripotent stem cells. <i>Methods in Cell Biology</i> , 2020, 159, 47-68.	1.1	29
35	Efficient Hepatic Differentiation of Human Induced Pluripotent Stem Cells in a Three-Dimensional Microscale Culture. <i>Methods in Molecular Biology</i> , 2014, 1210, 131-141.	0.9	25
36	Transient vascularization of transplanted human adult-derived progenitors promotes self-organizing cartilage. <i>Journal of Clinical Investigation</i> , 2014, 124, 4325-4334.	8.2	25

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37	Temporal Transition of Mechanical Characteristics of HUVEC/MSC Spheroids Using a Microfluidic Chip with Force Sensor Probes. <i>Micromachines</i> , 2016, 7, 221.	2.9	23
38	Methods for Generating Vascularized Islet-Like Organoids Via Self-Condensation. <i>Current Protocols in Stem Cell Biology</i> , 2018, 45, e49.	3.0	23
39	Engineering pancreatic tissues from stem cells towards therapy. <i>Regenerative Therapy</i> , 2016, 3, 15-23.	3.0	22
40	Generation of human induced pluripotent stem cell-derived liver buds with chemically defined and animal origin-free media. <i>Scientific Reports</i> , 2020, 10, 17937.	3.3	21
41	Organoid Medicine in Hepatology. <i>Clinical Liver Disease</i> , 2020, 15, 3-8.	2.1	21
42	Brief Report: Reconstruction of Joint Hyaline Cartilage by Autologous Progenitor Cells Derived from Ear Elastic Cartilage. <i>Stem Cells</i> , 2014, 32, 816-821.	3.2	20
43	Defining Lineage-Specific Membrane Fluidity Signatures that Regulate Adhesion Kinetics. <i>Stem Cell Reports</i> , 2018, 11, 852-860.	4.8	19
44	Organoid transplant approaches for the liver. <i>Transplant International</i> , 2021, 34, 2031-2045.	1.6	18
45	Human liver model systems in a dish. <i>Development Growth and Differentiation</i> , 2021, 63, 47-58.	1.5	17
46	Ring1B promotes hepatic stem/progenitor cell expansion through simultaneous suppression of Cdkn1a and Cdkn2a in mice. <i>Hepatology</i> , 2014, 60, 323-333.	7.3	16
47	Identification of Proliferating Human Hepatic Cells From Human Induced Pluripotent Stem Cells. <i>Transplantation Proceedings</i> , 2014, 46, 1201-1204.	0.6	15
48	Correction of a Factor VIII genomic inversion with designer-recombinases. <i>Nature Communications</i> , 2022, 13, 422.	12.8	14
49	Digitalized Human Organoid for Wireless Phenotyping. <i>IScience</i> , 2018, 4, 294-301.	4.1	13
50	Organogenesis in Vitro. <i>Current Opinion in Cell Biology</i> , 2021, 73, 84-91.	5.4	12
51	Eicosatetraenoic Acid and Butyrate Regulate Human Intestinal Organoid Mitochondrial and Extracellular Matrix Pathways Implicated in Crohn's Disease Strictures. <i>Inflammatory Bowel Diseases</i> , 2022, 28, 988-1003.	1.9	12
52	Cell membrane fluidity and ROS resistance define DMSO tolerance of cryopreserved synovial MSCs and HUVECs. <i>Stem Cell Research and Therapy</i> , 2022, 13, 177.	5.5	12
53	The promise of human organoids in the digestive system. <i>Cell Death and Differentiation</i> , 2021, 28, 84-94.	11.2	11
54	Nutritional modulation of mouse and human liver bud growth through a branched-amino acid metabolism. <i>Development (Cambridge)</i> , 2017, 144, 1018-1024.	2.5	10

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55	Illustrating the potency of current Good Manufacturing Practice-compliant induced pluripotent stem cell lines as a source of multiple cell lineages using standardized protocols. <i>Cytherapy</i> , 2018, 20, 861-872.	0.7	10
56	Isolation and Characterization of Tissue Resident CD29-Positive Progenitor Cells in Livestock to Generate a Three-Dimensional Meat Bud. <i>Cells</i> , 2021, 10, 2499.	4.1	8
57	Liver Regeneration Using Cultured Liver Bud. <i>Methods in Molecular Biology</i> , 2017, 1597, 207-216.	0.9	5
58	Tumoroid À la carte: Path for personalization. <i>Hepatology</i> , 2018, 68, 1189-1191.	7.3	3
59	Modeling Human Bile Acid Transport and Synthesis in Stem Cell-Derived Hepatocytes with a Patient-Specific Mutation. <i>Stem Cell Reports</i> , 2021, 16, 309-323.	4.8	3
60	Voices of biotech research. <i>Nature Biotechnology</i> , 2021, 39, 281-286.	17.5	3
61	POLYseq: A poly( $\beta$ -amino ester)-based vector for multifunctional cellular barcoding. <i>Stem Cell Reports</i> , 2021, 16, 2149-2158.	4.8	3
62	Tropism of cancer stem cells to a specific distant organ. <i>In Vivo</i> , 2014, 28, 361-5.	1.3	3
63	High-Resolution Intravital Imaging for Monitoring the Transplanted Islets in Mice. <i>Transplantation Proceedings</i> , 2014, 46, 1166-1168.	0.6	2
64	Orthotopic foetal lung tissue direct injection into lung showed a preventive effect against paraquat-induced acute lung injury in mice. <i>European Journal of Cardio-thoracic Surgery</i> , 2020, 58, 638-645.	1.4	2
65	Narrative engineering of the liver. <i>Current Opinion in Genetics and Development</i> , 2022, 75, 101925.	3.3	2
66	Generating Mini-Organs in Culture. <i>Current Pathobiology Reports</i> , 2016, 4, 59-68.	3.4	1
67	Anniversary reflections: Inspiring discoveries and the future of the field. <i>Cell Stem Cell</i> , 2022, 29, 879-881.	11.1	1
68	Mechanical characterization system using on-chip probe with wide range actuation. , 2016, , .		0
69	Stiffness-index map based on single cell-spheroid analysis using robot integrated microfluidic chip. , 2016, , .		0
70	Liver Regeneration Using Cultured Liver Bud. , 2017, , 223-235.		0
71	Creativity for a cure. <i>Nature Medicine</i> , 2019, 25, 868-868.	30.7	0
72	Organoid Models of Development and Disease Towards Therapy. <i>Current Human Cell Research and Applications</i> , 2019, , 149-168.	0.1	0

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73	Drug screening against complement disorders using human stem cell-derived endothelium and liver organoids. <i>Journal of Hepatology</i> , 2020, 73, S568-S569.	3.7	0
74	Human organoid for pharmaceutical science. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2021, 94, 2-SL5.	0.0	0
75	Enabling Factor Theory For Human Well-being. <i>Health Evaluation and Promotion</i> , 2021, 48, 501-510.	0.0	0
76	Enteral ventilation technology to combat severe respiratory failure. <i>Translational and Regulatory Sciences</i> , 2021, 3, 93-97.	0.2	0
77	Synthesis and application of POLYseq for profiling human liver organoids. <i>STAR Protocols</i> , 2021, 2, 100976.	1.2	0