

Kenji Osafune

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

3,844
citations

279798

23
h-index

175258

52
g-index

66
all docs

66
docs citations

66
times ranked

5339
citing authors

#	ARTICLE	IF	CITATIONS
1	Marked differences in differentiation propensity among human embryonic stem cell lines. <i>Nature Biotechnology</i> , 2008, 26, 313-315.	17.5	764
2	A novel efficient feeder-free culture system for the derivation of human induced pluripotent stem cells. <i>Scientific Reports</i> , 2014, 4, 3594.	3.3	511
3	A small molecule that directs differentiation of human ESCs into the pancreatic lineage. <i>Nature Chemical Biology</i> , 2009, 5, 258-265.	8.0	454
4	Monitoring and robust induction of nephrogenic intermediate mesoderm from human pluripotent stem cells. <i>Nature Communications</i> , 2013, 4, 1367.	12.8	266
5	Generation of Alveolar Epithelial Spheroids via Isolated Progenitor Cells from Human Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2014, 3, 394-403.	4.8	260
6	Induced Pluripotent Stem Cells and Their Use in Human Models of Disease and Development. <i>Physiological Reviews</i> , 2019, 99, 79-114.	28.8	230
7	Identification of multipotent progenitors in the embryonic mouse kidney by a novel colony-forming assay. <i>Development (Cambridge)</i> , 2006, 133, 151-161.	2.5	172
8	Cell Therapy Using Human Induced Pluripotent Stem Cell-Derived Renal Progenitors Ameliorates Acute Kidney Injury in Mice. <i>Stem Cells Translational Medicine</i> , 2015, 4, 980-992.	3.3	130
9	Efficient and Rapid Induction of Human iPSCs/ESCs into Nephrogenic Intermediate Mesoderm Using Small Molecule-Based Differentiation Methods. <i>PLoS ONE</i> , 2014, 9, e84881.	2.5	105
10	Cell aggregation optimizes the differentiation of human ESCs and iPSCs into pancreatic bud-like progenitor cells. <i>Stem Cell Research</i> , 2015, 14, 185-197.	0.7	94
11	<i>In vitro</i> induction of the pronephric duct in <i>Xenopus</i> explants. <i>Development Growth and Differentiation</i> , 2002, 44, 161-167.	1.5	88
12	A Modular Differentiation System Maps Multiple Human Kidney Lineages from Pluripotent Stem Cells. <i>Cell Reports</i> , 2020, 31, 107476.	6.4	71
13	Expansion of Human iPSC-Derived Ureteric Bud Organoids with Repeated Branching Potential. <i>Cell Reports</i> , 2020, 32, 107963.	6.4	63
14	iPSC technology-based regenerative therapy for diabetes. <i>Journal of Diabetes Investigation</i> , 2018, 9, 234-243.	2.4	62
15	Generation of branching ureteric bud tissues from human pluripotent stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 954-961.	2.1	56
16	PKD1-Dependent Renal Cystogenesis in Human Induced Pluripotent Stem Cell-Derived Ureteric Bud/Collecting Duct Organoids. <i>Journal of the American Society of Nephrology: JASN</i> , 2020, 31, 2355-2371.	6.1	47
17	A novel ADPKD model using kidney organoids derived from disease-specific human iPSCs. <i>Biochemical and Biophysical Research Communications</i> , 2020, 529, 1186-1194.	2.1	38
18	Novel hybrid three-dimensional artificial liver using human induced pluripotent stem cells and a rat decellularized liver scaffold. <i>Regenerative Therapy</i> , 2019, 10, 127-133.	3.0	36

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19	Identification of MMP1 as a novel risk factor for intracranial aneurysms in ADPKD using iPSC models. <i>Scientific Reports</i> , 2016, 6, 30013.	3.3	34
20	Betaâ€cell replacement strategies for diabetes. <i>Journal of Diabetes Investigation</i> , 2018, 9, 457-463.	2.4	30
21	Redefining definitive endoderm subtypes by robust induction of human induced pluripotent stem cells. <i>Differentiation</i> , 2016, 92, 281-290.	1.9	27
22	Insulinâ€producing cells derived from â€induced pluripotent stem cellsâ€™ of patients with fulminant type 1 diabetes: Vulnerability to cytokine insults and increased expression of apoptosisâ€related genes. <i>Journal of Diabetes Investigation</i> , 2018, 9, 481-493.	2.4	26
23	In vitro regeneration of kidney from pluripotent stem cells. <i>Experimental Cell Research</i> , 2010, 316, 2571-2577.	2.6	24
24	Rho-Associated Kinases and Non-muscle Myosin IIs Inhibit the Differentiation of Human iPSCs to Pancreatic Endoderm. <i>Stem Cell Reports</i> , 2017, 9, 419-428.	4.8	24
25	Development of new method to enrich human iPSC-derived renal progenitors using cell surface markers. <i>Scientific Reports</i> , 2018, 8, 6375.	3.3	24
26	Modelling urea-cycle disorder citrullinemia type 1 with disease-specific iPSCs. <i>Biochemical and Biophysical Research Communications</i> , 2017, 486, 613-619.	2.1	22
27	Identification of a small molecule that facilitates the differentiation of human iPSCs/ESCs and mouse embryonic pancreatic explants into pancreatic endocrine cells. <i>Diabetologia</i> , 2017, 60, 1454-1466.	6.3	19
28	Human pluripotent stem cellâ€derived erythropoietin-producing cells ameliorate renal anemia in mice. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	19
29	Small molecule AT7867 proliferates PDX1-expressing pancreatic progenitor cells derived from human pluripotent stem cells. <i>Stem Cell Research</i> , 2017, 24, 61-68.	0.7	15
30	Current status and future directions of clinical applications using iPS cellsâ€”focus on Japan. <i>FEBS Journal</i> , 2022, 289, 7274-7291.	4.7	13
31	iPS Cell Technologyâ€Based Research for the Treatment of Diabetic Nephropathy. <i>Seminars in Nephrology</i> , 2012, 32, 479-485.	1.6	12
32	Combined Omics Approaches Reveal the Roles of Non-canonical WNT7B Signaling and YY1 in the Proliferation of Human Pancreatic Progenitor Cells. <i>Cell Chemical Biology</i> , 2020, 27, 1561-1572.e7.	5.2	12
33	Adrenergic receptor agonists induce the differentiation of pluripotent stem cell-derived hepatoblasts into hepatocyte-like cells. <i>Scientific Reports</i> , 2017, 7, 16734.	3.3	10
34	iPSC technology-based regenerative medicine for kidney diseases. <i>Clinical and Experimental Nephrology</i> , 2021, 25, 574-584.	1.6	9
35	Purification of human iPSC-derived cells at large scale using microRNA switch and magnetic-activated cell sorting. <i>Stem Cell Reports</i> , 2022, 17, 1772-1785.	4.8	9
36	A Liver Model of Infantile-Onset Pompe Disease Using Patient-Specific Induced Pluripotent Stem Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 316.	3.7	8

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37	Kidney organoids: Research in developmental biology and emerging applications. <i>Development Growth and Differentiation</i> , 2021, 63, 166-177.	1.5	8
38	Identification of candidate PAX2-regulated genes implicated in human kidney development. <i>Scientific Reports</i> , 2021, 11, 9123.	3.3	7
39	Cell Therapy for Kidney Injury: Different Options and Mechanisms - Kidney Progenitor Cells. <i>Nephron Experimental Nephrology</i> , 2014, 126, 64-69.	2.2	6
40	A nonhuman primate model of liver fibrosis towards cell therapy for liver cirrhosis. <i>Biochemical and Biophysical Research Communications</i> , 2020, 526, 661-669.	2.1	6
41	Will it be possible to generate kidney tissue from induced pluripotent stem cells for regenerative therapy?. <i>Regenerative Medicine</i> , 2014, 9, 9-12.	1.7	4
42	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> , 2019, 35, 101400.	0.7	4
43	Failure to confirm a sodium-glucose cotransporter-2 inhibitor-induced hematopoietic effect in non-diabetic rats with renal anemia. <i>Journal of Diabetes Investigation</i> , 2020, 11, 834-843.	2.4	4
44	Pluripotent stem cell model of Shwachman-Diamond syndrome reveals apoptotic predisposition of hemoangiogenic progenitors. <i>Scientific Reports</i> , 2020, 10, 14859.	3.3	4
45	Protocol for the generation and expansion of human iPSC cell-derived ureteric bud organoids. <i>STAR Protocols</i> , 2022, 3, 101484.	1.2	4
46	Novel regenerative therapy for acute kidney injury. <i>Renal Replacement Therapy</i> , 2016, 2, .	0.7	2
47	Protocol to Generate Ureteric Bud Structures from Human iPSCs. <i>Methods in Molecular Biology</i> , 2019, 1926, 117-123.	0.9	2
48	Small molecule TCS21311 can replace BMP7 and facilitate cell proliferation in <i>in vitro</i> expansion culture of nephron progenitor cells. <i>Biochemical and Biophysical Research Communications</i> , 2021, 558, 231-238.	2.1	2
49	Retinoic acid regulates erythropoietin production cooperatively with hypoxia-inducible factors in human iPSC-derived erythropoietin-producing cells. <i>Scientific Reports</i> , 2021, 11, 3936.	3.3	2
50	Genetically engineered pigs manifesting pancreatic agenesis with severe diabetes. <i>BMJ Open Diabetes Research and Care</i> , 2020, 8, e001792.	2.8	2
51	CD140b and CD73 are markers for human induced pluripotent stem cell-derived erythropoietin-producing cells. <i>FEBS Open Bio</i> , 2020, 10, 427-433.	2.3	1
52	Regenerative treatments for kidney diseases: The closest and fastest strategies to solving related medical and economic problems. <i>Artificial Organs</i> , 2021, 45, 447-453.	1.9	1
53	Translational Research Methods: Renal Stem Cells. , 2014, , 1-48.		0
54	Directing the Differentiation of Pluripotent Stem Cells to Renal End Points. , 2016, , 473-490.		0

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55	Regeneration of Kidney From Human Reprogrammed Stem Cells. , 2017, , 937-955.		0
56	Efficient Generation of Pancreas/Duodenum Homeobox Protein 1 ⁺ Posterior Foregut/Pancreatic Progenitors from hPSCs in Adhesion Cultures. Journal of Visualized Experiments, 2019, , .	0.3	0
57	Ureteric bud structures generated from human iPSCs. , 2021, , 371-395.		0
58	Stem Cells and Kidney Regeneration. , 2021, , 1-27.		0
59	Stem cells in regenerative processes: Induced pluripotent stem cells. , 2022, , 145-159.		0
60	Kidney regeneration and disease modeling research using iPS cell technology. Japanese Journal of Pediatric Nephrology, 2013, 26, 64-69.	0.0	0
61	Translational Research Methods: Renal Stem Cells. , 2016, , 525-569.		0
62	Development of iPS Cell-based Regenerative Medicine for Kidney Diseases. The Journal of the Japanese Society of Internal Medicine, 2020, 109, 2553-2561.	0.0	0