# Kenji Osafune

## List of Publications by Year
## in descending order

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|---|---|---|---|
| 62<br>papers | 3,844<br>citations | 279798<br>23<br>h-index | 175258<br>52<br>g-index |
| 66<br>all docs | 66<br>docs citations | 66<br>times ranked | 5339<br>citing authors |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 1 | Current status and future directions of clinical applications using iPS cellsâ€”focus on Japan. FEBS Journal, 2022, 289, 7274-7291. | 4.7 | 13 |
| 2 | Stem cells in regenerative processes: Induced pluripotent stem cells. , 2022, , 145-159. | | 0 |
| 3 | Purification of human iPSC-derived cells at large scale using microRNA switch and magnetic-activated cell sorting. Stem Cell Reports, 2022, 17, 1772-1785. | 4.8 | 9 |
| 4 | Protocol for the generation and expansion of human iPS cell-derived ureteric bud organoids. STAR Protocols, 2022, 3, 101484. | 1.2 | 4 |
| 5 | Small molecule TCS21311 can replace BMP7 and facilitate cell proliferation in inÂvitro expansion culture of nephron progenitor cells. Biochemical and Biophysical Research Communications, 2021, 558, 231-238. | 2.1 | 2 |
| 6 | Ureteric bud structures generated from human iPSCs. , 2021, , 371-395. | | 0 |
| 7 | Stem Cells and Kidney Regeneration. , 2021, , 1-27. | | 0 |
| 8 | Retinoic acid regulates erythropoietin production cooperatively with hypoxia-inducible factors in human iPSC-derived erythropoietin-producing cells. Scientific Reports, 2021, 11, 3936. | 3.3 | 2 |
| 9 | Kidney organoids: Research in developmental biology and emerging applications. Development Growth and Differentiation, 2021, 63, 166-177. | 1.5 | 8 |
| 10 | Regenerative treatments for kidney diseases: The closest and fastest strategies to solving related medical and economic problems. Artificial Organs, 2021, 45, 447-453. | 1.9 | 1 |
| 11 | iPSC technology-based regenerative medicine for kidney diseases. Clinical and Experimental Nephrology, 2021, 25, 574-584. | 1.6 | 9 |
| 12 | Identification of candidate PAX2-regulated genes implicated in human kidney development. Scientific Reports, 2021, 11, 9123. | 3.3 | 7 |
| 13 | Failure to confirm a sodiumâ€“glucose cotransporterÂ2 inhibitorâ€induced hematopoietic effect in nonâ€diabetic rats with renal anemia. Journal of Diabetes Investigation, 2020, 11, 834-843. | 2.4 | 4 |
| 14 | CD140b and CD73 are markers for human induced pluripotent stem cellâ€derived erythropoietinâ€producing cells. FEBS Open Bio, 2020, 10, 427-433. | 2.3 | 1 |
| 15 | A novel ADPKD model using kidney organoids derived from disease-specific human iPSCs. Biochemical and Biophysical Research Communications, 2020, 529, 1186-1194. | 2.1 | 38 |
| 16 | PKD1-Dependent Renal Cystogenesis in Human Induced Pluripotent Stem Cell-Derived Ureteric Bud/Collecting Duct Organoids. Journal of the American Society of Nephrology: JASN, 2020, 31, 2355-2371. | 6.1 | 47 |
| 17 | Expansion of Human iPSC-Derived Ureteric Bud Organoids with Repeated Branching Potential. Cell Reports, 2020, 32, 107963. | 6.4 | 63 |
| 18 | Combined Omics Approaches Reveal the Roles of Non-canonical WNT7B Signaling and YY1 in the Proliferation of Human Pancreatic Progenitor Cells. Cell Chemical Biology, 2020, 27, 1561-1572.e7. | 5.2 | 12 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 19 | Pluripotent stem cell model of Shwachmanâ€"Diamond syndrome reveals apoptotic predisposition of hemoangiogenic progenitors. Scientific Reports, 2020, 10, 14859. | 3.3 | 4 |
| 20 | A Modular Differentiation System Maps Multiple Human Kidney Lineages from Pluripotent Stem Cells. Cell Reports, 2020, 31, 107476. | 6.4 | 71 |
| 21 | A nonhuman primate model of liver fibrosis towards cell therapy for liver cirrhosis. Biochemical and Biophysical Research Communications, 2020, 526, 661-669. | 2.1 | 6 |
| 22 | Genetically engineered pigs manifesting pancreatic agenesis with severe diabetes. BMJ Open Diabetes Research and Care, 2020, 8, e001792. | 2.8 | 2 |
| 23 | 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 |
| 24 | Efficient Generation of Pancreas/Duodenum Homeobox Protein 1<sup>+</sup> Posterior Foregut/Pancreatic Progenitors from hPSCs in Adhesion Cultures. Journal of Visualized Experiments, 2019, , . | 0.3 | 0 |
| 25 | Novel hybrid three-dimensional artificial liver using human induced pluripotent stem cells and a rat decellularized liver scaffold. Regenerative Therapy, 2019, 10, 127-133. | 3.0 | 36 |
| 26 | Differentiation and isolation of iPSC-derived remodeling ductal plate-like cells by use of an AQP1-GFP reporter human iPSC line. Stem Cell Research, 2019, 35, 101400. | 0.7 | 4 |
| 27 | Protocol to Generate Ureteric Bud Structures from Human iPS Cells. Methods in Molecular Biology, 2019, 1926, 117-123. | 0.9 | 2 |
| 28 | A Liver Model of Infantile-Onset Pompe Disease Using Patient-Specific Induced Pluripotent Stem Cells. Frontiers in Cell and Developmental Biology, 2019, 7, 316. | 3.7 | 8 |
| 29 | Induced Pluripotent Stem Cells and Their Use in Human Models of Disease and Development. Physiological Reviews, 2019, 99, 79-114. | 28.8 | 230 |
| 30 | Development of new method to enrich human iPSC-derived renal progenitors using cell surface markers. Scientific Reports, 2018, 8, 6375. | 3.3 | 24 |
| 31 | <scp>iPSC</scp> technologyâ€based regenerative therapy for diabetes. Journal of Diabetes Investigation, 2018, 9, 234-243. | 2.4 | 62 |
| 32 | Generation of branching ureteric bud tissues from human pluripotent stem cells. Biochemical and Biophysical Research Communications, 2018, 495, 954-961. | 2.1 | 56 |
| 33 | 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. Journal of Diabetes Investigation, 2018, 9, 481-493. | 2.4 | 26 |
| 34 | Betaâ€cell replacement strategies for diabetes. Journal of Diabetes Investigation, 2018, 9, 457-463. | 2.4 | 30 |
| 35 | Identification of a small molecule that facilitates the differentiation of human iPSCs/ESCs and mouse embryonic pancreatic explants into pancreatic endocrine cells. Diabetologia, 2017, 60, 1454-1466. | 6.3 | 19 |
| 36 | Modelling urea-cycle disorder citrullinemia type 1 with disease-specific iPSCs. Biochemical and Biophysical Research Communications, 2017, 486, 613-619. | 2.1 | 22 |

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|---|---|---|---|
| 37 | Human pluripotent stem cellâ€“derived erythropoietin-producing cells ameliorate renal anemia in mice. Science Translational Medicine, 2017, 9, . | 12.4 | 19 |
| 38 | Small molecule AT7867 proliferates PDX1-expressing pancreatic progenitor cells derived from human pluripotent stem cells. Stem Cell Research, 2017, 24, 61-68. | 0.7 | 15 |
| 39 | Rho-Associated Kinases and Non-muscle Myosin IIs Inhibit the Differentiation of Human iPSCs to Pancreatic Endoderm. Stem Cell Reports, 2017, 9, 419-428. | 4.8 | 24 |
| 40 | Adrenergic receptor agonists induce the differentiation of pluripotent stem cell-derived hepatoblasts into hepatocyte-like cells. Scientific Reports, 2017, 7, 16734. | 3.3 | 10 |
| 41 | Regeneration of Kidney From Human Reprogrammed Stem Cells. , 2017, , 937-955. |  | 0 |
| 42 | Directing the Differentiation of Pluripotent Stem Cells to Renal End Points. , 2016, , 473-490. |  | 0 |
| 43 | Redefining definitive endoderm subtypes by robust induction of human induced pluripotent stem cells. Differentiation, 2016, 92, 281-290. | 1.9 | 27 |
| 44 | Identification of MMP1 as a novel risk factor for intracranial aneurysms in ADPKD using iPSC models. Scientific Reports, 2016, 6, 30013. | 3.3 | 34 |
| 45 | Novel regenerative therapy for acute kidney injury. Renal Replacement Therapy, 2016, 2, . | 0.7 | 2 |
| 46 | Translational Research Methods: Renal Stem Cells. , 2016, , 525-569. |  | 0 |
| 47 | Cell aggregation optimizes the differentiation of human ESCs and iPSCs into pancreatic bud-like progenitor cells. Stem Cell Research, 2015, 14, 185-197. | 0.7 | 94 |
| 48 | Cell Therapy Using Human Induced Pluripotent Stem Cell-Derived Renal Progenitors Ameliorates Acute Kidney Injury in Mice. Stem Cells Translational Medicine, 2015, 4, 980-992. | 3.3 | 130 |
| 49 | Generation of Alveolar Epithelial Spheroids via Isolated Progenitor Cells from Human Pluripotent Stem Cells. Stem Cell Reports, 2014, 3, 394-403. | 4.8 | 260 |
| 50 | Will it be possible to generate kidney tissue from induced pluripotent stem cells for regenerative therapy?. Regenerative Medicine, 2014, 9, 9-12. | 1.7 | 4 |
| 51 | Translational Research Methods: Renal Stem Cells. , 2014, , 1-48. |  | 0 |
| 52 | Cell Therapy for Kidney Injury: Different Options and Mechanisms - Kidney Progenitor Cells. Nephron Experimental Nephrology, 2014, 126, 64-69. | 2.2 | 6 |
| 53 | A novel efficient feeder-free culture system for the derivation of human induced pluripotent stem cells. Scientific Reports, 2014, 4, 3594. | 3.3 | 511 |
| 54 | Efficient and Rapid Induction of Human iPSCs/ESCs into Nephrogenic Intermediate Mesoderm Using Small Molecule-Based Differentiation Methods. PLoS ONE, 2014, 9, e84881. | 2.5 | 105 |

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|---|---|---|---|
| 55 | Monitoring and robust induction of nephrogenic intermediate mesoderm from human pluripotent stem cells. Nature Communications, 2013, 4, 1367. | 12.8 | 266 |
| 56 | Kidney regeneration and disease modeling research using iPS cell technology. Japanese Journal of Pediatric Nephrology, 2013, 26, 64-69. | 0.0 | 0 |
| 57 | iPS Cell Technologyâ€"Based Research for the Treatment of Diabetic Nephropathy. Seminars in Nephrology, 2012, 32, 479-485. | 1.6 | 12 |
| 58 | In vitro regeneration of kidney from pluripotent stem cells. Experimental Cell Research, 2010, 316, 2571-2577. | 2.6 | 24 |
| 59 | A small molecule that directs differentiation of human ESCs into the pancreatic lineage. Nature Chemical Biology, 2009, 5, 258-265. | 8.0 | 454 |
| 60 | Marked differences in differentiation propensity among human embryonic stem cell lines. Nature Biotechnology, 2008, 26, 313-315. | 17.5 | 764 |
| 61 | Identification of multipotent progenitors in the embryonic mouse kidney by a novel colony-forming assay. Development (Cambridge), 2006, 133, 151-161. | 2.5 | 172 |
| 62 | <i>In vitro</i> induction of the pronephric duct in <i>Xenopus</i> explants. Development Growth and Differentiation, 2002, 44, 161-167. | 1.5 | 88 |