Hirofumi Noguchi

List of Publications by Citations

111 papers	3,027 citations	30 h-index	52 g-index
117 ext. papers	3,341 ext. citations	5.4 avg, IF	5.19 L-index

#	Paper	IF	Citations
111	A new cell-permeable peptide allows successful allogeneic islet transplantation in mice. *Nature Medicine*, **2004**, 10, 305-9	50.5	234
110	PDX-1 protein containing its own antennapedia-like protein transduction domain can transduce pancreatic duct and islet cells. *Diabetes*, **2003**, 52, 1732-7	0.9	201
109	Reversal of mouse hepatic failure using an implanted liver-assist device containing ES cell-derived hepatocytes. *Nature Biotechnology*, **2006**, 24, 1412-9	44.5	190
108	Insulin independence after living-donor distal pancreatectomy and islet allotransplantation. *Lancet, The*, **2005**, 365, 1642-4	40	187
107	Diagnosis and evaluation of nonalcoholic fatty liver disease. *Experimental Diabetes Research*, **2012**, 2012, 145754		145
106	Monitoring transplanted adipose tissue-derived stem cells combined with heparin in the liver by fluorescence imaging using quantum dots. *Biomaterials*, **2012**, 33, 2177-86	15.6	116
105	Improving efficacy of clinical islet transplantation with iodixanol-based islet purification, thymoglobulin induction, and blockage of IL-1 and TNF- *Cell Transplantation*, **2011**, 20, 1641-7	4	101
104	BETA2/NeuroD protein can be transduced into cells due to an arginine- and lysine-rich sequence. *Diabetes*, **2005**, 54, 2859-66	0.9	101
103	Transplantation and Organ Preservation. *Cell Medicine*, **2018**, 10, 215517901875533	4.9	78
102	Induction of pancreatic stem/progenitor cells into insulin-producing cells by adenoviral-mediated gene transfer technology. *Cell Transplantation*, **2006**, 15, 929-38	4	76
101	Cell permeable peptide of JNK inhibitor prevents islet apoptosis immediately after isolation and improves islet graft function. *American Journal of Transplantation*, **2005**, 5, 1848-55	8.7	74
100	Ductal injection of preservation solution increases islet yields in islet isolation and improves islet graft function. *Cell Transplantation*, **2008**, 17, 69-81	4	65
99	Iodixanol-controlled density gradient during islet purification improves recovery rate in human islet isolation. *Transplantation*, **2009**, 87, 1629-35	1.8	59
98	Mechanism of PDX-1 protein transduction. *Biochemical and Biophysical Research Communications*, **2005**, 332, 68-74	3.4	55
97	Cell transplantation of adipose tissue-derived stem cells in combination with heparin attenuated acute liver failure in mice. *Cell Transplantation*, **2009**, 18, 611-8	4	53
96	Establishment of immortalized human hepatic stellate scavenger cells to develop bioartificial livers. *Transplantation*, **2003**, 75, 1873-80	1.8	52
95	Improvement of pancreatic islet cell isolation for transplantation. *Baylor University Medical Center Proceedings*, **2007**, 20, 357-62	0.6	50

94	Quantum dots for labeling adipose tissue-derived stem cells. *Cell Transplantation*, **2009**, 18, 591-9	4	42
93	PDX-1 protein is internalized by lipid raft-dependent macropinocytosis. *Cell Transplantation*, **2005**, 14, 637-45	4	42
92	Fresh islets are more effective for islet transplantation than cultured islets. *Cell Transplantation*, **2012**, 21, 517-23	4	41
91	Low-temperature preservation of isolated islets is superior to conventional islet culture before islet transplantation. *Transplantation*, **2010**, 89, 47-54	1.8	40
90	Stem cells for the treatment of diabetes. *Endocrine Journal*, **2007**, 54, 7-16	2.9	39
89	Cryopreservation of Adipose-Derived Mesenchymal Stem Cells. *Cell Medicine*, **2015**, 8, 3-7	4.9	37
88	Induced Tissue-Specific Stem Cells and Epigenetic Memory in Induced Pluripotent Stem Cells. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	35
87	Survival of liver failure pigs by transplantation of reversibly immortalized human hepatocytes with Tamoxifen-mediated self-recombination. *Journal of Hepatology*, **2007**, 47, 74-82	13.4	35
86	Ductal injection of JNK inhibitors before pancreas preservation prevents islet apoptosis and improves islet graft function. *Human Gene Therapy*, **2009**, 20, 73-85	4.8	34
85	Establishment of mouse pancreatic stem cell line. *Cell Transplantation*, **2009**, 18, 563-71	4	31
84	Comparison of M-Kyoto solution and histidine-tryptophan-ketoglutarate solution with a trypsin inhibitor for pancreas preservation in islet transplantation. *Transplantation*, **2007**, 84, 655-8	1.8	31
83	Comparison of modified Celsior solution and M-kyoto solution for pancreas preservation in human islet isolation. *Cell Transplantation*, **2010**, 19, 751-8	4	30
82	BETA2/NeuroD protein transduction requires cell surface heparan sulfate proteoglycans. *Human Gene Therapy*, **2007**, 18, 10-7	4.8	30
81	Recent advances in protein transduction technology. *Cell Transplantation*, **2010**, 19, 649-54	4	26
80	Protein transduction technology: a novel therapeutic perspective. *Acta Medica Okayama*, **2006**, 60, 1-11	0.5	26
79	A new mouse model for intraportal islet transplantation with limited hepatic lobe as a graft site. *Transplantation*, **2006**, 82, 712-5	1.8	24
78	Spheroid Formation and Evaluation of Hepatic Cells in a Three-Dimensional Culture Device. *Cell Medicine*, **2015**, 8, 47-56	4.9	23
77	Islet Culture/Preservation Before Islet Transplantation. *Cell Medicine*, **2015**, 8, 25-9	4.9	22

76	Estimation of donor usability for islet transplantation in the United States with the kyoto islet isolation method. *Cell Transplantation*, **2009**, 18, 549-56	4	22
75	Pancreas preservation by the two-layer method: does it have a beneficial effect compared with simple preservation in University of Wisconsin solution?. *Cell Transplantation*, **2009**, 18, 497-503	4	22
74	Pancreatic islet transplantation. *World Journal of Gastrointestinal Surgery*, **2009**, 1, 16-20	2.4	22
73	Generation of functional insulin-producing cells from mouse embryonic stem cells through 804G cell-derived extracellular matrix and protein transduction of transcription factors. *Stem Cells Translational Medicine*, **2014**, 3, 114-27	6.9	21
72	Activation of c-Jun NH2-terminal kinase during islet isolation. *Endocrine Journal*, **2007**, 54, 169-76	2.9	21
71	Evaluation of osmolality of density gradient for human islet purification. *Cell Transplantation*, **2012**, 21, 493-500	4	20
70	Treatment of acute liver failure in mice by hepatocyte xenotransplantation. *Cell Transplantation*, **2010**, 19, 799-806	4	20
69	Characterization of human pancreatic progenitor cells. *Cell Transplantation*, **2010**, 19, 879-86	4	20
68	Prolonged survival of mice with acute liver failure with transplantation of monkey hepatocytes cultured with an antiapoptotic pentapeptide V5. *Transplantation*, **2006**, 81, 427-37	1.8	19
67	Islet purification method using large bottles effectively achieves high islet yield from pig pancreas. *Cell Transplantation*, **2012**, 21, 501-8	4	18
66	Evaluation of Serum-Free, Xeno-Free Cryopreservation Solutions for Human Adipose-Derived Mesenchymal Stem Cells. *Cell Medicine*, **2017**, 9, 15-20	4.9	17
65	Cytokines in adipose-derived mesenchymal stem cells promote the healing of liver disease. *World Journal of Stem Cells*, **2018**, 10, 146-159	5.6	15
64	Novel positively charged nanoparticle labeling for in vivo imaging of adipose tissue-derived stem cells. *PLoS ONE*, **2014**, 9, e110142	3.7	14
63	A Combined Continuous Density/Osmolality Gradient for Supplemental Purification of Human Islets. *Cell Medicine*, **2012**, 3, 33-41	4.9	14
62	Comparison of ulinastatin, gabexate mesilate, and nafamostat mesilate in preservation solution for islet isolation. *Cell Transplantation*, **2012**, 21, 509-16	4	14
61	Cre/loxP-Based Reversible Immortalization of Human Hepatocytes 1. *Cell Transplantation*, **2001**, 10, 383-386	4	14
60	RCAN-11R peptide provides immunosuppression for fully mismatched islet allografts in mice. *Scientific Reports*, **2017**, 7, 3043	4.9	13
59	A proteome analysis of pig pancreatic islets and exocrine tissue by liquid chromatography with tandem mass spectrometry. *Islets*, **2017**, 9, 159-176	2	12

58	Enhanced Adipogenic Differentiation of Human Adipose-Derived Stem Cells in an In Vitro Microenvironment: The Preparation of Adipose-Like Microtissues Using a Three-Dimensional Culture. *Cell Medicine*, **2017**, 9, 35-44	4.9	11
57	Tissue-Specific Stem Cells Obtained by Reprogramming of Non-Obese Diabetic (NOD) Mouse-Derived Pancreatic Cells Confer Insulin Production in Response to Glucose. *PLoS ONE*, **2016**, 11, e0163580	3.7	11
56	Modified cell-permeable JNK inhibitors efficiently prevents islet apoptosis and improves the outcome of islet transplantation. *Scientific Reports*, **2018**, 8, 11082	4.9	10
55	Characterization of induced tissue-specific stem cells from pancreas by a synthetic self-replicative RNA. *Scientific Reports*, **2018**, 8, 12341	4.9	10
54	Comparison of Purification Solutions With Different Osmolality for Porcine Islet Purification. *Cell Medicine*, **2017**, 9, 53-59	4.9	10
53	A Novel Preservation Solution Containing a JNK Inhibitory Peptide Efficiently Improves Islet Yield for Porcine Islet Isolation. *Transplantation*, **2019**, 103, 344-352	1.8	10
52	Long-term Cryopreservation of Human and other Mammalian Cells at -80 °C for 8 Years. *Cell Medicine*, **2018**, 10, 2155179017733148	4.9	10
51	Bac Transposon-Based Immortalization of Human Deciduous Tooth Dental Pulp Cells with Multipotency and Non-Tumorigenic Potential. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	9
50	The Evaluation of Islet Purification Methods That Use Large Bottles to Create a Continuous Density Gradient. *Cell Medicine*, **2017**, 9, 45-51	4.9	9
49	Choice of Feeders Is Important When First Establishing iPSCs Derived From Primarily Cultured Human Deciduous Tooth Dental Pulp Cells. *Cell Medicine*, **2015**, 8, 9-23	4.9	9
48	A Liquid Chromatography with Tandem Mass Spectrometry-Based Proteomic Analysis of the Proteins Secreted by Human Adipose-Derived Mesenchymal Stem Cells. *Cell Transplantation*, **2018**, 27, 1469-1494	4	9
47	Comparison Between Modified Extracellular-Type Trehalose-Containing Kyoto Solution and University of Wisconsin Solution in 18-Hour Pancreas Preservation for Islet Transplantation. *Pancreas*, **2018**, 47, e46-e47	2.6	8
46	Adipose tissue-derived mesenchymal stem cells ameliorate bone marrow aplasia related with graft-versus-host disease in experimental murine models. *Transplant Immunology*, **2019**, 55, 101205	1.7	7
45	Exogenous DKK-3/REIC inhibits Wnt/β-catenin signaling and cell proliferation in human kidney cancer KPK1. *Oncology Letters*, **2017**, 14, 5638-5642	2.6	7
44	Laparoscopy-assisted creation of a liver failure model in pigs. *Cell Transplantation*, **2008**, 17, 187-93	4	7
43	Novel cell-permeable p38-MAPK inhibitor efficiently prevents porcine islet apoptosis and improves islet graft function. *American Journal of Transplantation*, **2020**, 20, 1296-1308	8.7	7
42	A Comparison of the Preservation of Mouse Adipose Tissue-Derived Mesenchymal Stem Cells Using the University of Wisconsin Solution and Hank's Balanced Salt Solution. *Stem Cells International*, **2018**, 2018, 1625464	5	7
41	Repeated human deciduous tooth-derived dental pulp cell reprogramming factor transfection yields multipotent intermediate cells with enhanced iPS cell formation capability. *Scientific Reports*, **2019**, 9, 1490	4.9	6

40	A Liquid Chromatography with Tandem Mass Spectrometry-Based Proteomic Analysis of Cells Cultured in DMEM 10% FBS and Chemically Defined Medium Using Human Adipose-Derived Mesenchymal Stem Cells. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	6
39	Three-Dimensional In Vitro Hepatic Constructs Formed Using Combinatorial Tapered Stencil for Cluster Culture (TASCL) Device. *Cell Medicine*, **2015**, 7, 67-74	4.9	6
38	Potential Factors for the Differentiation of ESCs/iPSCs Into Insulin-Producing Cells. *Cell Medicine*, **2015**, 7, 83-93	4.9	6
37	Comparison of Incubation Solutions Prior to the Purification of Porcine Islet Cells. *Cell Medicine*, **2013**, 6, 9-14	4.9	6
36	Comparison of New Preservation Solutions, HN-1 and University of Wisconsin Solution, in Pancreas Preservation for Porcine Islet Isolation. *Cell Medicine*, **2013**, 6, 3-8	4.9	6
35	Successful Retroviral Gene Transfer of Simian Virus 40 T Antigen and Herpes Simplex Virus-Thymidine Kinase into Human Hepatocytes 1. *Cell Transplantation*, **2001**, 10, 377-381	4	6
34	Recent advances in stem cell research for the treatment of diabetes. *World Journal of Stem Cells*, **2009**, 1, 36-42	5.6	6
33	A Comparison of Proteins Expressed between Human and Mouse Adipose-Derived Mesenchymal Stem Cells by a Proteome Analysis through Liquid Chromatography with Tandem Mass Spectrometry. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	6
32	Atorvastatin Inhibits the HIF1PPAR Axis, Which Is Essential for Maintaining the Function of Human Induced Pluripotent Stem Cells. *Molecular Therapy*, **2018**, 26, 1715-1734	11.7	5
31	Regulation of c-Jun NH-Terminal Kinase for Islet Transplantation. *Journal of Clinical Medicine*, **2019**, 8,	5.1	5
30	In vitro generation of insulin-secreting cells from human pancreatic exocrine cells. *Journal of Diabetes Investigation*, **2011**, 2, 271-5	3.9	5
29	Establishment of an immortalized porcine liver cell line JSNK-1 with retroviral transduction of SV40T. *Cell Transplantation*, **2010**, 19, 849-56	4	5
28	Preservation of pancreas in the University of Wisconsin solution supplemented with AP39 reduces reactive oxygen species production and improves islet graft function. *American Journal of Transplantation*, **2021**, 21, 2698-2708	8.7	5
27	Isolation and characterization of lymphoid enhancer factor-1-positive deciduous dental pulp stem-like cells after transfection with a piggyBac vector containing LEF1 promoter-driven selection markers. *Archives of Oral Biology*, **2017**, 81, 110-120	2.8	4
26	Mutations in the C1 element of the insulin promoter lead to diabetic phenotypes in homozygous mice. *Communications Biology*, **2020**, 3, 309	6.7	4
25	Generation of Mouse STO Feeder Cell Lines That Confer Resistance to Several Types of Selective Drugs. *Cell Medicine*, **2012**, 3, 97-102	4.9	4
24	Isolation Efficiency of Mouse Pancreatic Stem Cells Is Age Dependent. *Cell Medicine*, **2013**, 5, 69-73	4.9	4
23	Role of Egr1 on Pancreatic Endoderm Differentiation. *Cell Medicine*, **2018**, 10, 2155179017733177	4.9	4

22	Excellent Islet Yields after 18-h Porcine Pancreas Preservation by Ductal Injection, Pancreas Preservation with MK Solution, Bottle Purification, and Islet Purification Using Iodixanol with UW Solution and Iodixanol with MK Solution. *Journal of Clinical Medicine*, **2019**, 8,	5.1	3
21	Identification of Proteins Differentially Expressed by Adipose-derived Mesenchymal Stem Cells Isolated from Immunodeficient Mice. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	3
20	Induction of Expandable Tissue-Specific Progenitor Cells from Human Pancreatic Tissue through Transient Expression of Defined Factors. *Molecular Therapy - Methods and Clinical Development*, **2019**, 13, 243-252	6.4	3
19	STO Feeder Cells Are Useful for Propagation of Primarily Cultured Human Deciduous Dental Pulp Cells by Eliminating Contaminating Bacteria and Promoting Cellular Outgrowth. *Cell Medicine*, **2013**, 6, 75-81	4.9	3
18	The Development of Cancer through the Transient Overexpression of Reprogramming Factors. *Cell Medicine*, **2018**, 10, 2155179017733172	4.9	3
17	Induction of Expandable Adipose-Derived Mesenchymal Stem Cells from Aged Mesenchymal Stem Cells by a Synthetic Self-Replicating RNA. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	3
16	The Healing Effect of Human Milk Fat Globule-EGF Factor 8 Protein (MFG-E8) in A Rat Model of Parkinson's Disease. *Brain Sciences*, **2018**, 8,	3.4	3
15	A Comparison of Pancreatic Islet Purification using Iodixanol with University of Wisconsin Solution and with Na-Lactobionate and Histidine Solution. *Cell Medicine*, **2018**, 10, 2155179018775071	4.9	2
14	Reduced glycemic variability and flexible graft function after islet transplantation: A case report. *Journal of Diabetes Investigation*, **2020**, 11, 1677-1680	3.9	2
13	Comparison of Tissue Loading Before and After the Creation of a Continuous Density Gradient in Porcine Islet Purification. *Cell Medicine*, **2018**, 10, 2155179018781343	4.9	2
12	Adhesion characteristics of porcine pancreatic islets and exocrine tissue to coating materials. *Islets*, **2018**, 10, e1460294	2	2
11	A Liquid Chromatography with Tandem Mass Spectrometry-Based Proteomic Analysis of Primary Cultured Cells and Subcultured Cells Using Mouse Adipose-Derived Mesenchymal Stem Cells. *Stem Cells International*, **2019**, 2019, 7274057	5	1
10	Pancreatic Islet Purification from Large Mammals and Humans Using a COBE 2991 Cell Processor versus Large Plastic Bottles. *Journal of Clinical Medicine*, **2020**, 10,	5.1	1
9	Kyoto probe-1 reveals phenotypic differences between mouse ES cells and iTS-P cells. *Scientific Reports*, **2020**, 10, 18084	4.9	1
8	Pancreas preservation in extracellular-type p38 inhibitor-containing solution improves islet yield for porcine islet isolation. *Xenotransplantation*, **2021**, 28, e12661	2.8	1
7	Evaluation of Islet Purification Methods for Making a Continuous Density Gradient and Loading Tissue. *Cell Medicine*, **2018**, 10, 2155179017733090	4.9	1
6	RNA analysis based on a small number of manually isolated fixed cells (RNA-snMIFxC) to profile stem cells from human deciduous tooth-derived dental pulp cells. *Biological Procedures Online*, **2021**, 23, 12	8.3	0
5	Facilitating Transplantation. *Cell Medicine*, **2017**, 9, 1-2	4.9	

4	Basic and Clinical Science for Organ Biology. *Cell Medicine*, **2015**, 7, 49	4.9
3	Creating a Future of Transplantation. *Cell Medicine*, **2015**, 8, 1	4.9
2	In vivo evaluation of GG2-GG1/A2 element activity in the insulin promoter region using the CRISPR-Cas9 system. *Scientific Reports*, **2021**, 11, 20290	4.9
1	Pancreas preservation with amphotericin B deteriorates islet yield for porcine islet isolation. *Xenotransplantation*, **2021**, 28, e12690	2.8