

# Takumi Era

## List of Publications by Year in descending order

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52  
papers

1,947  
citations

361413

20  
h-index

254184

43  
g-index

54  
all docs

54  
docs citations

54  
times ranked

3411  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of induced pluripotent stem cell clones derived from a patient with mosaic neurofibromatosis type 2. American Journal of Medical Genetics, Part A, 2022, , .	1.2	3
2	ATP citrate lyase controls hematopoietic stem cell fate and supports bone marrow regeneration. EMBO Journal, 2022, 41, e109463.	7.8	18
3	Movements of Ancient Human Endogenous Retroviruses Detected in SOX2-Expressing Cells. Journal of Virology, 2022, 96, e0035622.	3.4	9
4	Lactose-Appended Hydroxypropyl- $\beta$ -Cyclodextrin Lowers Cholesterol Accumulation and Alleviates Motor Dysfunction in Niemann-Pick Type C Disease Model Mice. ACS Applied Bio Materials, 2022, 5, 2377-2388.	4.6	5
5	Rapid and Simplified Induction of Neural Stem/Progenitor Cells (NSCs/NPCs) and Neurons from Human Induced Pluripotent Stem Cells (hiPSCs). Bio-protocol, 2021, 11, e3914.	0.4	1
6	Vulnerability to shear stress caused by altered peri-endothelial matrix is a key feature of Moyamoya disease. Scientific Reports, 2021, 11, 1552.	3.3	12
7	Impaired NEPHRIN localization in kidney organoids derived from nephrotic patient iPSC cells. Scientific Reports, 2021, 11, 3982.	3.3	14
8	An iPSC-based neural model of sialidosis uncovers glycolytic impairment-causing presynaptic dysfunction and deregulation of Ca <sup>2+</sup> dynamics. Neurobiology of Disease, 2021, 152, 105279.	4.4	5
9	Taurine rescues mitochondria-related metabolic impairments in the patient-derived induced pluripotent stem cells and epithelial-mesenchymal transition in the retinal pigment epithelium. Redox Biology, 2021, 41, 101921.	9.0	29
10	Differential mode of cholesterol inclusion with $\alpha$ -hydroxypropyl- $\beta$ -cyclodextrins increases safety margin in treatment of Niemann-Pick disease type C. British Journal of Pharmacology, 2021, 178, 2727-2746.	5.4	12
11	A neuropathological cell model derived from Niemann-Pick disease type C patient-specific iPSCs shows disruption of the p62/SQSTM1-KEAP1-NRF2 Axis and impaired formation of neuronal networks. Molecular Genetics and Metabolism Reports, 2021, 28, 100784.	1.1	4
12	Fate of adipocyte progenitors during adipogenesis in mice fed a high-fat diet. Molecular Metabolism, 2021, 54, 101328.	6.5	9
13	Role of induced pluripotent stem cells in lysosomal storage diseases. Molecular and Cellular Neurosciences, 2020, 108, 103540.	2.2	9
14	Novel Drug Candidates Improve Ganglioside Accumulation and Neural Dysfunction in GM1 Gangliosidosis Models with Autophagy Activation. Stem Cell Reports, 2020, 14, 909-923.	4.8	14
15	Generation of a human induced pluripotent stem cell line, BRCi009-A, derived from a patient with glycogen storage disease type 1a. Stem Cell Research, 2020, 49, 102095.	0.7	2
16	Activin Is Superior to BMP7 for Efficient Maintenance of Human iPSC-Derived Nephron Progenitors. Stem Cell Reports, 2019, 13, 322-337.	4.8	23
17	Presynaptic Dysfunction in Neurons Derived from Tay-Sachs iPSCs. Neuroscience, 2019, 414, 128-140.	2.3	19
18	In vivo Efficacy and Safety Evaluation of Lactosyl- $\beta$ -cyclodextrin as a Therapeutic Agent for Hepatomegaly in Niemann-Pick Type C Disease. Nanomaterials, 2019, 9, 802.	4.1	15

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19	Lowering effect of dimethyl- $\beta$ -cyclodextrin on GM1-ganglioside accumulation in GM1-gangliosidosis model cells and in brain of $\beta$ -galactosidase-knockout mice. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2019, 93, 53-66.	1.6	4
20	Ribosome Incorporation into Somatic Cells Promotes Lineage Transdifferentiation towards Multipotency. <i>Scientific Reports</i> , 2018, 8, 1634.	3.3	17
21	Tracing the destiny of mesenchymal stem cells from embryo to adult bone marrow and white adipose tissue via Pdgfr $\beta$ expression. <i>Development (Cambridge)</i> , 2018, 145, .	2.5	41
22	Organoids from Nephrotic Disease-Derived iPSCs Identify Impaired NEPHRIN Localization and Slit Diaphragm Formation in Kidney Podocytes. <i>Stem Cell Reports</i> , 2018, 11, 727-740.	4.8	113
23	Targeting G-quadruplex DNA as cognitive function therapy for ATR-X syndrome. <i>Nature Medicine</i> , 2018, 24, 802-813.	30.7	69
24	Mesenchymal stem cells derived from human iPS cells via mesoderm and neuroepithelium have different features and therapeutic potentials. <i>PLoS ONE</i> , 2018, 13, e0200790.	2.5	34
25	Intracerebroventricular 2-hydroxypropyl- $\beta$ -cyclodextrin improves not only neurological symptoms but also hepatic abnormalities in Niemann-Pick disease type C model mice and patients. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO3-8-12.	0.0	0
26	Studying intractable diseases using iPS cells. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, SY46-2.	0.0	0
27	Identifying the Biphasic Role of Calcineurin/NFAT Signaling Enables Replacement of Sox2 in Somatic Cell Reprogramming. <i>Stem Cells</i> , 2017, 35, 1162-1175.	3.2	12
28	Impact of the Niemann-Pick c1 Gene Mutation on the Total Cellular Glycomics of CHO Cells. <i>Journal of Proteome Research</i> , 2017, 16, 2802-2810.	3.7	10
29	The Src/c-Abl pathway is a potential therapeutic target in amyotrophic lateral sclerosis. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	182
30	A Skeletal Muscle Model of Infantile-onset Pompe Disease with Patient-specific iPS Cells. <i>Scientific Reports</i> , 2017, 7, 13473.	3.3	45
31	Synthesis of multi-lactose-appended $\beta$ -cyclodextrin and its cholesterol-lowering effects in Niemann-Pick type C disease-like HepG2 cells. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 10-18.	2.2	17
32	Modeling Alexander disease with patient iPSCs reveals cellular and molecular pathology of astrocytes. <i>Acta Neuropathologica Communications</i> , 2016, 4, 69.	5.2	44
33	Establishment and gene expression analysis of disease-derived induced pluripotent stem cells of scleroderma. <i>Journal of Dermatological Science</i> , 2016, 84, 186-196.	1.9	10
34	Inhibition of Apoptosis Overcomes Stage-Related Compatibility Barriers to Chimera Formation in Mouse Embryos. <i>Cell Stem Cell</i> , 2016, 19, 587-592.	11.1	92
35	Cellular Functions and Gene and Protein Expression Profiles in Endothelial Cells Derived from Moyamoya Disease-Specific iPS Cells. <i>PLoS ONE</i> , 2016, 11, e0163561.	2.5	34
36	Disease modeling and lentiviral gene transfer in patient-specific induced pluripotent stem cells from late-onset Pompe disease patient. <i>Molecular Therapy - Methods and Clinical Development</i> , 2015, 2, 15023.	4.1	42

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37	Generation and characterization of $\alpha$ -PDGFR $\beta$ -deficient GFPC $\beta$ ER $\beta$ knock-out mouse line. <i>Genesis</i> , 2015, 53, 329-336.	1.6	26
38	Effects of cyclodextrins on GM1-gangliosides in fibroblasts from GM1-gangliosidosis patients. <i>Journal of Pharmacy and Pharmacology</i> , 2015, 67, 1133-1142.	2.4	15
39	Cholesterol lowering effects of mono-lactose-appended $\beta$ -cyclodextrin in Niemann-Pick type C disease-like HepG2 cells. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 2079-2086.	2.2	22
40	HPGCD Outperforms HPBCD as a Potential Treatment for Niemann-Pick Disease Type C During Disease Modeling with iPS Cells. <i>Stem Cells</i> , 2015, 33, 1075-1088.	3.2	88
41	Aloe vera Extract Suppresses Proliferation of Neuroblastoma Cells In Vitro. <i>Anticancer Research</i> , 2015, 35, 4479-85.	1.1	13
42	Ectopic Cerebellar Cell Migration Causes Maldevelopment of Purkinje Cells and Abnormal Motor Behaviour in <i>Cxcr4</i> Null Mice. <i>PLoS ONE</i> , 2014, 9, e86471.	2.5	34
43	Mesoderm Differentiation from hiPS Cells. <i>Methods in Molecular Biology</i> , 2014, 1357, 403-413.	0.9	3
44	Generation of familial amyloidotic polyneuropathy-specific induced pluripotent stem cells. <i>Stem Cell Research</i> , 2014, 12, 574-583.	0.7	11
45	New Type of Sendai Virus Vector Provides Transgene-Free iPS Cells Derived from Chimpanzee Blood. <i>PLoS ONE</i> , 2014, 9, e113052.	2.5	50
46	Dual origin of melanocytes defined by <i>Sox1</i> expression and their region-specific distribution in mammalian skin. <i>Development Growth and Differentiation</i> , 2013, 55, 270-281.	1.5	9
47	Pluripotent stem cell as a source of mesenchymal stem cell. <i>Inflammation and Regeneration</i> , 2013, 33, 019-028.	3.7	2
48	Pathogenic Mutation of <i>ALK2</i> Inhibits Induced Pluripotent Stem Cell Reprogramming and Maintenance: Mechanisms of Reprogramming and Strategy for Drug Identification. <i>Stem Cells</i> , 2012, 30, 2437-2449.	3.2	57
49	Phf14, a Novel Regulator of Mesenchyme Growth via Platelet-derived Growth Factor (PDGF) Receptor $\beta$ . <i>Journal of Biological Chemistry</i> , 2012, 287, 27983-27996.	3.4	29
50	Mesoderm Cell Development from ES Cells. <i>Methods in Molecular Biology</i> , 2010, 636, 87-103.	0.9	2
51	Neuroepithelial Cells Supply an Initial Transient Wave of MSC Differentiation. <i>Cell</i> , 2007, 129, 1377-1388.	28.9	481
52	In Vitro Modeling of Paraxial and Lateral Mesoderm Differentiation Reveals Early Reversibility. <i>Stem Cells</i> , 2006, 24, 575-586.	3.2	131