

# Naohiro Terada

## List of Publications by Year in descending order

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73  
papers

6,438  
citations

109137

35  
h-index

85405

71  
g-index

73  
all docs

73  
docs citations

73  
times ranked

7497  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bone marrow cells adopt the phenotype of other cells by spontaneous cell fusion. <i>Nature</i> , 2002, 416, 542-545.	13.7	1,897
2	Hepatic maturation in differentiating embryonic stem cells in vitro. <i>FEBS Letters</i> , 2001, 497, 15-19.	1.3	381
3	Embryonic Stem Cells Proliferate and Differentiate when Seeded into Kidney Scaffolds. <i>Journal of the American Society of Nephrology: JASN</i> , 2009, 20, 2338-2347.	3.0	359
4	A Heterogeneous Expression Pattern for Nanog in Embryonic Stem Cells. <i>Stem Cells</i> , 2007, 25, 2534-2542.	1.4	317
5	Embryoid-body cells derived from a mouse embryonic stem cell line show differentiation into functional hepatocytes. <i>Hepatology</i> , 2002, 36, 22-29.	3.6	240
6	Amino Acid-dependent Control of p70s6k. <i>Journal of Biological Chemistry</i> , 1999, 274, 1092-1099.	1.6	190
7	H <sup>+</sup> transport is an integral function of the mitochondrial ADP/ATP carrier. <i>Nature</i> , 2019, 571, 515-520.	13.7	183
8	Induction of Cytoplasmic Rods and Rings Structures by Inhibition of the CTP and GTP Synthetic Pathway in Mammalian Cells. <i>PLoS ONE</i> , 2011, 6, e29690.	1.1	177
9	Inhibition of mitochondrial permeability transition by deletion of the ANT family and CypD. <i>Science Advances</i> , 2019, 5, eaaw4597.	4.7	169
10	Selective Activation of c-Jun Kinase Mitogen-activated Protein Kinase by CD40 on Human B Cells. <i>Journal of Biological Chemistry</i> , 1995, 270, 30823-30828.	1.6	159
11	Rapamycin blocks cell cycle progression of activated T cells prior to events characteristic of the middle to late G1 phase of the cycle. <i>Journal of Cellular Physiology</i> , 1993, 154, 7-15.	2.0	140
12	Characterization of S6K2, a novel kinase homologous to S6K1. <i>Oncogene</i> , 1999, 18, 5108-5114.	2.6	137
13	The Grb2/Mek Pathway Represses Nanog in Murine Embryonic Stem Cells. <i>Molecular and Cellular Biology</i> , 2006, 26, 7539-7549.	1.1	124
14	Mouse stem cells seeded into decellularized rat kidney scaffolds endothelialize and remodel basement membranes. <i>Organogenesis</i> , 2012, 8, 49-55.	0.4	108
15	CD9 Is Associated with Leukemia Inhibitory Factor-mediated Maintenance of Embryonic Stem Cells. <i>Molecular Biology of the Cell</i> , 2002, 13, 1274-1281.	0.9	106
16	Aggregation of embryonic stem cells induces Nanog repression and primitive endoderm differentiation. <i>Journal of Cell Science</i> , 2004, 117, 5681-5686.	1.2	101
17	DNA Methylation Is Required for Silencing of Ant4, an Adenine Nucleotide Translocase Selectively Expressed in Mouse Embryonic Stem Cells and Germ Cells. <i>Stem Cells</i> , 2005, 23, 1314-1323.	1.4	86
18	Aggregation of the Fc $\mu$ R1 on Mast Cells Stimulates c-Jun Amino-terminal Kinase Activity. <i>Journal of Biological Chemistry</i> , 1996, 271, 12762-12766.	1.6	72

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19	Heme oxygenase-1 mediates the protective effects of rapamycin in monocrotaline-induced pulmonary hypertension. <i>Laboratory Investigation</i> , 2006, 86, 62-71.	1.7	71
20	HoxB1nc RNA Recruits Set1/MLL Complexes to Activate Hox Gene Expression Patterns and Mesoderm Lineage Development. <i>Cell Reports</i> , 2016, 14, 103-114.	2.9	71
21	Concise Review: Induced Pluripotent Stem Cell Research in the Era of Precision Medicine. <i>Stem Cells</i> , 2017, 35, 545-550.	1.4	67
22	Rapamycin inhibits the phosphorylation of p70 S6 kinase in IL-2 and mitogen-activated human T cells. <i>Biochemical and Biophysical Research Communications</i> , 1992, 186, 1315-1321.	1.0	66
23	A practical guide to induced pluripotent stem cell research using patient samples. <i>Laboratory Investigation</i> , 2015, 95, 4-13.	1.7	58
24	Mitochondrial ATP transporter depletion protects mice against liver steatosis and insulin resistance. <i>Nature Communications</i> , 2017, 8, 14477.	5.8	55
25	Genome Modification Leads to Phenotype Reversal in Human Myotonic Dystrophy Type 1 Induced Pluripotent Stem Cell-Derived Neural Stem Cells. <i>Stem Cells</i> , 2015, 33, 1829-1838.	1.4	53
26	Genome Therapy of Myotonic Dystrophy Type 1 iPS Cells for Development of Autologous Stem Cell Therapy. <i>Molecular Therapy</i> , 2016, 24, 1378-1387.	3.7	51
27	CD40 and adenosine A2 receptor agonist-induced apoptosis through independent pathways and converge to prevent caspase activation. <i>Journal of Allergy and Clinical Immunology</i> , 2000, 105, 522-531.	1.5	49
28	Therapeutic Genome Editing for Myotonic Dystrophy Type 1 Using CRISPR/Cas9. <i>Molecular Therapy</i> , 2018, 26, 2617-2630.	3.7	48
29	Cell fusion and reprogramming: resolving our transdifferences. <i>Trends in Molecular Medicine</i> , 2004, 10, 93-96.	3.5	47
30	Rapamycin Potentiates Dexamethasone-Induced Apoptosis and Inhibits JNK Activity in Lymphoblastoid Cells. <i>Biochemical and Biophysical Research Communications</i> , 1997, 230, 386-391.	1.0	45
31	l-Asparaginase Inhibits the Rapamycin-Targeted Signaling Pathway. <i>Biochemical and Biophysical Research Communications</i> , 1999, 260, 534-539.	1.0	43
32	Small Interfering RNA-mediated Silencing Induces Target-dependent Assembly of GW/P Bodies. <i>Molecular Biology of the Cell</i> , 2007, 18, 3375-3387.	0.9	42
33	Influence of Amino Acid Metabolism on Embryonic Stem Cell Function and Differentiation. <i>Advances in Nutrition</i> , 2016, 7, 780S-789S.	2.9	42
34	CRISPR/Cas9 knockout of USP18 enhances type I IFN responsiveness and restricts HIV-1 infection in macrophages. <i>Journal of Leukocyte Biology</i> , 2018, 103, 1225-1240.	1.5	41
35	Bacterial type III secretion system as a protein delivery tool for a broad range of biomedical applications. <i>Biotechnology Advances</i> , 2018, 36, 482-493.	6.0	40
36	Directed Differentiation of Embryonic Stem Cells Into Cardiomyocytes by Bacterial Injection of Defined Transcription Factors. <i>Scientific Reports</i> , 2015, 5, 15014.	1.6	39

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37	Vascular Smooth Muscle Cells From Hypertensive Patient-Derived Induced Pluripotent Stem Cells to Advance Hypertension Pharmacogenomics. <i>Stem Cells Translational Medicine</i> , 2015, 4, 1380-1390.	1.6	36
38	Loss of IDH2 Accelerates Age-related Hearing Loss in Male Mice. <i>Scientific Reports</i> , 2018, 8, 5039.	1.6	33
39	Extramitochondrial cardiolipin suggests a novel function of mitochondria in spermatogenesis. <i>Journal of Cell Biology</i> , 2019, 218, 1491-1502.	2.3	33
40	Bacterial Delivery of Nuclear Proteins into Pluripotent and Differentiated Cells. <i>PLoS ONE</i> , 2011, 6, e16465.	1.1	33
41	<i>Pseudomonas aeruginosa</i> injects NDK into host cells through a type III secretion system. <i>Microbiology (United Kingdom)</i> , 2014, 160, 1417-1426.	0.7	32
42	Differential activation and regulation of mitogen-activated protein kinases through the antigen receptor and CD40 in human B cells. <i>European Journal of Immunology</i> , 1999, 29, 2999-3008.	1.6	28
43	Bacterial Delivery of TALEN Proteins for Human Genome Editing. <i>PLoS ONE</i> , 2014, 9, e91547.	1.1	27
44	Repurposed biological scaffolds: kidney to pancreas. <i>Organogenesis</i> , 2015, 11, 47-57.	0.4	22
45	Fibroblast Growth Factor Receptor 2 Homodimerization Rapidly Reduces Transcription of the Pluripotency Gene <i>Nanog</i> without Dissociation of Activating Transcription Factors*. <i>Journal of Biological Chemistry</i> , 2012, 287, 30507-30517.	1.6	21
46	Inhibition of nitric oxide synthesis induces coronary vascular remodeling and cardiac hypertrophy associated with the activation of p70 S6 kinase in rats. <i>Cardiovascular Drugs and Therapy</i> , 2000, 14, 533-542.	1.3	20
47	Stem Cell Plasticity, Beyond Alchemy. <i>International Journal of Hematology</i> , 2004, 79, 15-21.	0.7	19
48	Evaluation of commonly used ectoderm markers in iPSC trilineage differentiation. <i>Stem Cell Research</i> , 2019, 37, 101434.	0.3	18
49	Isogenic Cellular Systems Model the Impact of Genetic Risk Variants in the Pathogenesis of Type 1 Diabetes. <i>Frontiers in Endocrinology</i> , 2017, 8, 276.	1.5	17
50	Bypassing Heterogeneity: The Road to Embryonic Stem Cell-Derived Cardiomyocyte Specification. <i>Trends in Cardiovascular Medicine</i> , 2007, 17, 96-101.	2.3	15
51	Efficient Gene Editing in Pluripotent Stem Cells by Bacterial Injection of Transcription Activator-Like Effector Nuclease Proteins. <i>Stem Cells Translational Medicine</i> , 2015, 4, 913-926.	1.6	15
52	Enhanced differentiation of human pluripotent stem cells into cardiomyocytes by bacteria-mediated transcription factors delivery. <i>PLoS ONE</i> , 2018, 13, e0194895.	1.1	15
53	Stem Cells. <i>Journal of the American Society of Nephrology: JASN</i> , 2001, 12, 1773-1780.	3.0	15
54	In Vitro Differentiation of Embryonic Stem Cells into Hepatocytes. <i>Methods in Enzymology</i> , 2003, 365, 277-287.	0.4	13

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55	A pathologist's perspective on induced pluripotent stem cells. <i>Laboratory Investigation</i> , 2017, 97, 1126-1132.	1.7	13
56	Activation of p70S6 Kinase-1 in Mesenchymal Stem Cells Is Essential to Lung Tissue Repair. <i>Stem Cells Translational Medicine</i> , 2018, 7, 551-558.	1.6	13
57	Adenine Nucleotide Translocase 4 Is Expressed Within Embryonic Ovaries and Dispensable During Oogenesis. <i>Reproductive Sciences</i> , 2015, 22, 250-257.	1.1	12
58	Human Adenine Nucleotide Translocase (ANT) Modulators Identified by High-Throughput Screening of Transgenic Yeast. <i>Journal of Biomolecular Screening</i> , 2016, 21, 381-390.	2.6	12
59	Vesnarinone inhibits nucleoside and nucleobase transport. <i>Life Sciences</i> , 1995, 57, PL75-PL81.	2.0	11
60	Differential Regulation of CD40-Mediated Human B Cell Responses by Antibodies Directed against Different CD40 Epitopes. <i>Cellular Immunology</i> , 2000, 201, 109-123.	1.4	11
61	Cell fusion and plasticity. <i>Cytotechnology</i> , 2003, 41, 103-109.	0.7	11
62	Disulfide bond disrupting agents activate the unfolded protein response in EGFR- and HER2-positive breast tumor cells. <i>Oncotarget</i> , 2017, 8, 28971-28989.	0.8	11
63	In search of a surrogate: engineering human beta cell lines for therapy. <i>Trends in Endocrinology and Metabolism</i> , 2014, 25, 378-380.	3.1	10
64	Control of cell cycle entry and progression in mitogen-stimulated human B lymphocytes. <i>Journal of Cellular Physiology</i> , 1995, 162, 246-255.	2.0	9
65	A hypertension patient-derived iPSC model demonstrates a role for G protein-coupled estrogen receptor in hypertension risk and development. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 319, C825-C838.	2.1	8
66	Use of Induced Pluripotent Stem Cells to Build Isogenic Systems and Investigate Type 1 Diabetes. <i>Frontiers in Endocrinology</i> , 2021, 12, 737276.	1.5	8
67	Selective serotonin reuptake inhibitors ameliorate MEGF10 myopathy. <i>Human Molecular Genetics</i> , 2019, 28, 2365-2377.	1.4	7
68	Chronic treatment with FK506 increases p70 S6 kinase activity associated with reduced nitric oxide synthase activity in rabbit hearts. <i>Cardiovascular Drugs and Therapy</i> , 2000, 14, 329-336.	1.3	6
69	High efficiency protein delivery into transfection-recalcitrant cell types. <i>Biotechnology and Bioengineering</i> , 2020, 117, 816-831.	1.7	4
70	Generation of Induced Pluripotent Stem Cells from a Female Patient with a Xq27.3-q28 Deletion to Establish Disease Models and Identify Therapies. <i>Cellular Reprogramming</i> , 2020, 22, 179-188.	0.5	3
71	Spontaneous Cell Fusion. , 2004, , 153-158.		2
72	An Ezh way to turn off Nanog. <i>Cell Cycle</i> , 2011, 10, 2253-2253.	1.3	1

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73	Fabrication of Coated Polycaprolactone Scaffolds and Their Effects on Murine Embryonic Stem Cells. Materials Research Society Symposia Proceedings, 2005, 873, 1.	0.1	0