In-Hyun Park

List of Publications by Year
in descending order

113	18,129	38660 50	30848 102
papers	citations	h-index	g-index

118	118	118	22031
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Expression of the transcription factor PU.1 induces the generation of microglia-like cells in human cortical organoids. Nature Communications, 2022, 13, 430.	5.8	49
2	Region Specific Brain Organoids to Study Neurodevelopmental Disorders. International Journal of Stem Cells, 2022, 15, 26-40.	0.8	14
3	Live isolation of naÃ¯ve ESCs via distinct glucose metabolism and stored glycogen. Metabolic Engineering, 2022, 72, 97-106.	3.6	1
4	Human Down syndrome microglia are up for a synaptic feast. Cell Stem Cell, 2022, 29, 1007-1008.	5.2	1
5	Deconstructing and reconstructing the human brain with regionally specified brain organoids. Seminars in Cell and Developmental Biology, 2021, 111, 40-51.	2.3	21
6	Genes causing congenital hydrocephalus: Their chromosomal characteristics of telomere proximity and DNA compositions. Experimental Neurology, 2021, 335, 113523.	2.0	19
7	How well do brain organoids capture your brain?. IScience, 2021, 24, 102063.	1.9	27
8	Regional specification and complementation with non-neuroectodermal cells in human brain organoids. Journal of Molecular Medicine, 2021, 99, 489-500.	1.7	14
9	Vulnerability of cholecystokinin-expressing GABAergic interneurons in the unilateral intrahippocampal kainate mouse model of temporal lobe epilepsy. Experimental Neurology, 2021, 342, 113724.	2.0	11
10	Regeneration of infarcted mouse hearts by cardiovascular tissue formed via the direct reprogramming of mouse fibroblasts. Nature Biomedical Engineering, 2021, 5, 880-896.	11.6	18
11	Exploration of alcohol use disorder-associated brain miRNAâ€“mRNA regulatory networks. Translational Psychiatry, 2021, 11, 504.	2.4	23
12	Reprogramming progressive cells display low CAG promoter activity. Stem Cells, 2021, 39, 43-54.	1.4	11
13	The critical role of persistent sodium current in hippocampal gamma oscillations. Neuropharmacology, 2020, 162, 107787.	2.0	3
14	Generation of Regionally Specified Human Brain Organoids Resembling Thalamus Development. STAR Protocols, 2020, 1, 100001.	0.5	24
15	Intracerebral Transplants of GMP-Grade Human Umbilical Cord-Derived Mesenchymal Stromal Cells Effectively Treat Subacute-Phase Ischemic Stroke in a Rodent Model. Frontiers in Cellular Neuroscience, 2020, 14, 546659.	1.8	14
16	Scalable small molecule derived mini-liver organoids from human pluripotent stem cells. Journal of Hepatology, 2020, 73, S91.	1.8	0
17	Implantation of the clinical-grade human neural stem cell line, <i>CTX0E03</i>, rescues the behavioral and pathological deficits in the quinolinic acid-lesioned rodent model of Huntington's disease. Stem Cells, 2020, 38, 936-947.	1.4	21
18	Dysregulation of BRD4 Function Underlies the Functional Abnormalities of MeCP2 Mutant Neurons. Molecular Cell, 2020, 79, 84-98.e9.	4.5	53

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19	Mural Cell-Specific Deletion of Cerebral Cavernous Malformation 3 in the Brain Induces Cerebral Cavernous Malformations. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 2171-2186.	1.1	18
20	Synthetic Analyses of Single-Cell Transcriptomes from Multiple Brain Organoids and Fetal Brain. Cell Reports, 2020, 30, 1682-1689.e3.	2.9	150
21	The RNA exosome nuclease complex regulates human embryonic stem cell differentiation. Journal of Cell Biology, 2019, 218, 2564-2582.	2.3	35
22	Engineering of human brain organoids with a functional vascular-like system. Nature Methods, 2019, 16, 1169-1175.	9.0	551
23	hESC-Derived Thalamic Organoids Form Reciprocal Projections When Fused with Cortical Organoids. Cell Stem Cell, 2019, 24, 487-497.e7.	5.2	305
24	Generation and Fusion of Human Cortical and Medial Ganglionic Eminence Brain Organoids. Current Protocols in Stem Cell Biology, 2018, 47, e61.	3.0	21
25	Uhrf1 regulates active transcriptional marks at bivalent domains in pluripotent stem cells through Setd1a. Nature Communications, 2018, 9, 2583.	5.8	35
26	Single cell transcriptomics reveals unanticipated features of early hematopoietic precursors. Nucleic Acids Research, 2017, 45, gkw1214.	6.5	40
27	Bisulfite-independent analysis of CpG island methylation enables genome-scale stratification of single cells. Nucleic Acids Research, 2017, 45, gkx026.	6.5	31
28	Direct Reprogramming of Human Dermal Fibroblasts Into Endothelial Cells Using ER71/ETV2. Circulation Research, 2017, 120, 848-861.	2.0	90
29	Enhanced Therapeutic and Long-Term Dynamic Vascularization Effects of Human Pluripotent Stem Cellâ€“Derived Endothelial Cells Encapsulated in a Nanomatrix Gel. Circulation, 2017, 136, 1939-1954.	1.6	51
30	Fusion of Regionally Specified hPSC-Derived Organoids Models Human Brain Development and Interneuron Migration. Cell Stem Cell, 2017, 21, 383-398.e7.	5.2	508
31	New Advances in Human X Chromosome Status from a Developmental and Stem Cell Biology. Tissue Engineering and Regenerative Medicine, 2017, 14, 643-652.	1.6	0
32	3 Genetic and Epigenetic Considerations in iPSC Technology. , 2017, , 51-86.		0
33	Regulation of the DNA Methylation Landscape in Human Somatic Cell Reprogramming by the miR-29 Family. Stem Cell Reports, 2016, 7, 43-54.	2.3	31
34	Modeling and correction of structural variations in patient-derived iPSCs using CRISPR/Cas9. Nature Protocols, 2016, 11, 2154-2169.	5.5	27
35	Dnmt1 regulates the myogenic lineage specification of muscle stem cells. Scientific Reports, 2016, 6, 35355.	1.6	13
36	Histone Deacetylases Positively Regulate Transcription through the Elongation Machinery. Cell Reports, 2015, 13, 1444-1455.	2.9	138

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37	Role of Zscan4 in secondary murine iPSC derivation mediated by protein extracts of ESC or iPSC. Biomaterials, 2015, 59, 102-115.	5.7	6
38	Transcriptome Signature and Regulation in Human Somatic Cell Reprogramming. Stem Cell Reports, 2015, 4, 1125-1139.	2.3	19
39	Tgif1 Counterbalances the Activity of Core Pluripotency Factors in Mouse Embryonic Stem Cells. Cell Reports, 2015, 13, 52-60.	2.9	26
40	Ethanol Upregulates NMDA Receptor Subunit Gene Expression in Human Embryonic Stem Cell-Derived Cortical Neurons. PLoS ONE, 2015, 10, e0134907.	1.1	33
41	Developing a Model of Human Pluripotent to Hematopoietic Stem Cell Development in Mistrg Mice. Blood, 2015, 126, 4755-4755.	0.6	0
42	Transcriptional regulation in pluripotent stem cells by methyl CpG-binding protein 2 (MeCP2). Human Molecular Genetics, 2014, 23, 1045-1055.	1.4	32
43	X Chromosome of Female Cells Shows Dynamic Changes in Status during Human Somatic Cell Reprogramming. Stem Cell Reports, 2014, 2, 896-909.	2.3	33
44	In Vivo Roles of a Patient-Derived Induced Pluripotent Stem Cell Line (HD72-iPSC) in the YAC128 Model of Huntingtonâ€™s Disease. International Journal of Stem Cells, 2014, 7, 43-47.	0.8	34
45	Development of a novel two-dimensional directed differentiation system for generation of cardiomyocytes from human pluripotent stem cells. International Journal of Cardiology, 2013, 168, 41-52.	0.8	14
46	Two methods for full-length RNA sequencing for low quantities of cells and single cells. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 594-599.	3.3	103
47	Trivalent Chromatin Marks the Way iN. Cell Stem Cell, 2013, 13, 510-512.	5.2	0
48	An Extensive Network of TET2-Targeting MicroRNAs Regulates Malignant Hematopoiesis. Cell Reports, 2013, 5, 471-481.	2.9	139
49	Investigation of Rett syndrome using pluripotent stem cells. Journal of Cellular Biochemistry, 2013, 114, 2446-2453.	1.2	24
50	Transformation of somatic cells into stem cellâ€like cells under a stromal niche. FASEB Journal, 2013, 27, 2644-2656.	0.2	9
51	Therapeutic Potential of Human Induced Pluripotent Stem Cells in Experimental Stroke. Cell Transplantation, 2013, 22, 1427-1440.	1.2	69
52	Modelling Human Disease with Pluripotent Stem Cells. Current Gene Therapy, 2013, 13, 99-110.	0.9	46
53	MeCP2 Regulates the Synaptic Expression of a Dysbindin-BLOC-1 Network Component in Mouse Brain and Human Induced Pluripotent Stem Cell-Derived Neurons. PLoS ONE, 2013, 8, e65069.	1.1	38
54	Human induced pluripotent stem cells and neurodegenerative disease. Current Opinion in Neurology, 2012, 25, 125-130.	1.8	64

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55	The lesser known story of X chromosome reactivation. Cell Cycle, 2012, 11, 229-235.	1.3	7
56	Altered hematopoiesis in trisomy 21 as revealed through in vitro differentiation of isogenic human pluripotent cells. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17567-17572.	3.3	129
57	Impact of Retrotransposons in Pluripotent Stem Cells. Molecules and Cells, 2012, 34, 509-516.	1.0	5
58	Modeling Supravalvular Aortic Stenosis Syndrome With Human Induced Pluripotent Stem Cells. Circulation, 2012, 126, 1695-1704.	1.6	106
59	Neuronal Properties, In Vivo Effects, and Pathology of a Huntington's Disease Patient-Derived Induced Pluripotent Stem Cells. Stem Cells, 2012, 30, 2054-2062.	1.4	167
60	Mutant induced pluripotent stem cell lines recapitulate aspects of TDP-43 proteinopathies and reveal cell-specific vulnerability. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5803-5808.	3.3	308
61	Overcoming reprogramming resistance of Fanconi anemia cells. Blood, 2012, 119, 5449-5457.	0.6	133
62	Humanized murine model for HBV and HCV using human induced pluripotent stem cells. Archives of Pharmacal Research, 2012, 35, 261-269.	2.7	15
63	A Dual Role of Evi-1 During Developmental Hematopoiesis. Blood, 2012, 120, 765-765.	0.6	0
64	Analysis of Differential Proteomes of Induced Pluripotent Stem Cells by Protein-Based Reprogramming of Fibroblasts. Journal of Proteome Research, 2011, 10, 977-989.	1.8	18
65	Screening ethnically diverse human embryonic stem cells identifies a chromosome 20 minimal amplicon conferring growth advantage. Nature Biotechnology, 2011, 29, 1132-1144.	9.4	509
66	Transplantation of Adult Mouse iPS Cell-Derived Photoreceptor Precursors Restores Retinal Structure and Function in Degenerative Mice. PLoS ONE, 2011, 6, e18992.	1.1	283
67	Hematopoietic differentiation of induced pluripotent stem cells from patients with mucopolysaccharidosis type I (Hurler syndrome). Blood, 2011, 117, 839-847.	0.6	82
68	Induced pluripotent stem cells for neural tissue engineering. Biomaterials, 2011, 32, 5023-5032.	5.7	214
69	Induced pluripotent stem cell models from Xâ€linked adrenoleukodystrophy patients. Annals of Neurology, 2011, 70, 402-409.	2.8	94
70	Neuronal maturation defect in induced pluripotent stem cells from patients with Rett syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14169-14174.	3.3	187
71	Human Pluripotent Stem Cells Produce Natural Killer Cells That Mediate Anti-HIV-1 Activity by Utilizing Diverse Cellular Mechanisms. Journal of Virology, 2011, 85, 43-50.	1.5	77
72	Cell cycle adaptations of embryonic stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19252-19257.	3.3	85

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73	Altered Hematopoiesis in Trisomy 21 As Revealed Through In Vitro Differentiation of Isogenic Human Pluripotent Cells. Blood, 2011, 118, 921-921.	0.6	1
74	Recent Advances and Future Perspectives on Somatic Cell Reprogramming. , 2011, , 13-29.		0
75	Gene-Correction Rescues Reprogramming of Fanconi Anemia Fibroblasts and Enables Hematopoietic Differentiation of FA Induced Pluripotent Stem Cells in Vitro and In Vivo. Blood, 2011, 118, 672-672.	0.6	0
76	Evi-1 Regulates Myelopoiesis and Hematopoietic Stem Cell Development in Zebrafish and Human Pluripotent Stem Cells. Blood, 2011, 118, 1281-1281.	0.6	0
77	Directed differentiation of hematopoietic precursors and functional osteoclasts from human ES and iPS cells. Blood, 2010, 115, 2769-2776.	0.6	135
78	Generation of functional human hepatic endoderm from human induced pluripotent stem cells. Hepatology, 2010, 51, 329-335.	3.6	389
79	Telomere elongation in induced pluripotent stem cells from dyskeratosis congenita patients. Nature, 2010, 464, 292-296.	13.7	302
80	DYS-HAC-iPS Cells: The Combination of Gene and Cell Therapy to Treat Duchenne Muscular Dystrophy. Molecular Therapy, 2010, 18, 238-240.	3.7	5
81	Reprogramming of T Cells from Human Peripheral Blood. Cell Stem Cell, 2010, 7, 15-19.	5.2	288
82	MicroRNA Profiling Reveals Two Distinct p53-Related Human Pluripotent Stem Cell States. Cell Stem Cell, 2010, 7, 671-681.	5.2	98
83	Five classic articles in somatic cell reprogramming. Yale Journal of Biology and Medicine, 2010, 83, 135-7.	0.2	2
84	Generation of induced pluripotent stem cells from human blood. Blood, 2009, 113, 5476-5479.	0.6	559
85	Cardiomyocyte Differentiation of Human Induced Pluripotent Stem Cells. Circulation, 2009, 120, 1513-1523.	1.6	386
86	Down's syndrome suppression of tumour growth and the role of the calcineurin inhibitor DSCR1. Nature, 2009, 459, 1126-1130.	13.7	341
87	A role for Lin28 in primordial germ-cell development and germ-cell malignancy. Nature, 2009, 460, 909-913.	13.7	354
88	Targeted bisulfite sequencing reveals changes in DNA methylation associated with nuclear reprogramming. Nature Biotechnology, 2009, 27, 353-360.	9.4	458
89	Targeted and genome-scale strategies reveal gene-body methylation signatures in human cells. Nature Biotechnology, 2009, 27, 361-368.	9.4	985
90	Live cell imaging distinguishes bona fide human iPS cells from partially reprogrammed cells. Nature Biotechnology, 2009, 27, 1033-1037.	9.4	445

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91	Differential methylation of tissue- and cancer-specific CpG island shores distinguishes human induced pluripotent stem cells, embryonic stem cells and fibroblasts. Nature Genetics, 2009, 41, 1350-1353.	9.4	1,076
92	Hematopoietic Development from Human Induced Pluripotent Stem Cells. Annals of the New York Academy of Sciences, 2009, 1176, 219-227.	1.8	100
93	Gene Targeting of a Disease-Related Gene in Human Induced Pluripotent Stem and Embryonic Stem Cells. Cell Stem Cell, 2009, 5, 97-110.	5.2	505
94	Human iPS Cell Derivation/Reprogramming. Current Protocols in Stem Cell Biology, 2009, 8, Unit 4A.1.	3.0	25
95	A Robust Approach to Identifying Tissue-Specific Gene Expression Regulatory Variants Using Personalized Human Induced Pluripotent Stem Cells. PLoS Genetics, 2009, 5, e1000718.	1.5	55
96	Telomere Elongation in Dyskeratosis Congenita Induced Pluripotent Stem Cells.. Blood, 2009, 114, 497-497.	0.6	1
97	The Zebrafish Homologue of the Murine Ecotropic Viral Integration Site-1 (. Evi-1) gene Regulates Zebrafish Embryonic Blood Development.. Blood, 2009, 114, 1461-1461.	0.6	6
98	Natural Killer Cells Derived From Human Pluripotent Stem Cells Provide a Novel Method to Treat HIV-1 Infection.. Blood, 2009, 114, 280-280.	0.6	0
99	Hematopoietic Development From Human Induced Pluripotent Stem Cells.. Blood, 2009, 114, 2530-2530.	0.6	4
100	Reprogramming of human somatic cells to pluripotency with defined factors. Nature, 2008, 451, 141-146.	13.7	2,670
101	Generation of human-induced pluripotent stem cells. Nature Protocols, 2008, 3, 1180-1186.	5.5	348
102	Disease-Specific Induced Pluripotent Stem Cells. Cell, 2008, 134, 877-886.	13.5	2,071
103	Regulatory networks define phenotypic classes of human stem cell lines. Nature, 2008, 455, 401-405.	13.7	321
104	Patient-Specific Induced Pluripotent Stem Cells in Hurler Syndrome. Blood, 2008, 112, 386-386.	0.6	0
105	Debugging cellular reprogramming. Nature Cell Biology, 2007, 9, 871-873.	4.6	6
106	In vitro generation of germ cells from murine embryonic stem cells. Nature Protocols, 2006, 1, 2026-2036.	5.5	82
107	A Nuclear Transport Signal in Mammalian Target of Rapamycin Is Critical for Its Cytoplasmic Signaling to S6 Kinase 1. Journal of Biological Chemistry, 2006, 281, 7357-7363.	1.6	71
108	Mammalian Target of Rapamycin (mTOR) Signaling Is Required for a Late-stage Fusion Process during Skeletal Myotube Maturation. Journal of Biological Chemistry, 2005, 280, 32009-32017.	1.6	79

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109	Skeletal myocyte hypertrophy requires mTOR kinase activity and S6K1. Experimental Cell Research, 2005, 309, 211-219.	1.2	69
110	PLD1 Regulates mTOR Signaling and Mediates Cdc42 Activation of S6K1. Current Biology, 2003, 13, 2037-2044.	1.8	156
111	IGF-II transcription in skeletal myogenesis is controlled by mTOR and nutrients. Journal of Cell Biology, 2003, 163, 931-936.	2.3	152
112	Regulation of Ribosomal S6 Kinase 2 by Mammalian Target of Rapamycin. Journal of Biological Chemistry, 2002, 277, 31423-31429.	1.6	83
113	Getting the right cells. ELife, 0, 11, .	2.8	10