

Paul J Tesar

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

8,143
citations

117625

34
h-index

85541

71
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87
all docs

87
docs citations

87
times ranked

12572
citing authors

#	ARTICLE	IF	CITATIONS
1	New cell lines from mouse epiblast share defining features with human embryonic stem cells. <i>Nature</i> , 2007, 448, 196-199.	27.8	1,975
2	Epigenetic signatures distinguish multiple classes of enhancers with distinct cellular functions. <i>Genome Research</i> , 2011, 21, 1273-1283.	5.5	487
3	Derivation of naïve human embryonic stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 4484-4489.	7.1	415
4	Drug-based modulation of endogenous stem cells promotes functional remyelination in vivo. <i>Nature</i> , 2015, 522, 216-220.	27.8	336
5	Conserved and Divergent Roles of FGF Signaling in Mouse Epiblast Stem Cells and Human Embryonic Stem Cells. <i>Cell Stem Cell</i> , 2010, 6, 215-226.	11.1	308
6	Epigenomic Enhancer Profiling Defines a Signature of Colon Cancer. <i>Science</i> , 2012, 336, 736-739.	12.6	304
7	Preferential Iron Trafficking Characterizes Glioblastoma Stem-like Cells. <i>Cancer Cell</i> , 2015, 28, 441-455.	16.8	249
8	Transcription factor-mediated reprogramming of fibroblasts to expandable, myelinogenic oligodendrocyte progenitor cells. <i>Nature Biotechnology</i> , 2013, 31, 426-433.	17.5	244
9	Induction of myelinating oligodendrocytes in human cortical spheroids. <i>Nature Methods</i> , 2018, 15, 700-706.	19.0	242
10	CHD7 Targets Active Gene Enhancer Elements to Modulate ES Cell-Specific Gene Expression. <i>PLoS Genetics</i> , 2010, 6, e1001023.	3.5	213
11	Human iPSC Glial Mouse Chimeras Reveal Glial Contributions to Schizophrenia. <i>Cell Stem Cell</i> , 2017, 21, 195-208.e6.	11.1	204
12	The Growth Factor Environment Defines Distinct Pluripotent Ground States in Novel Blastocyst-Derived Stem Cells. <i>Cell</i> , 2008, 135, 449-461.	28.9	197
13	Identification and Characterization of Cell Type-Specific and Ubiquitous Chromatin Regulatory Structures in the Human Genome. <i>PLoS Genetics</i> , 2007, 3, e136.	3.5	196
14	Accumulation of 8,9-unsaturated sterols drives oligodendrocyte formation and remyelination. <i>Nature</i> , 2018, 560, 372-376.	27.8	170
15	ELF5-enforced transcriptional networks define an epigenetically regulated trophoblast stem cell compartment in the human placenta. <i>Human Molecular Genetics</i> , 2010, 19, 2456-2467.	2.9	167
16	Isolation of Epiblast Stem Cells from Preimplantation Mouse Embryos. <i>Cell Stem Cell</i> , 2011, 8, 318-325.	11.1	161
17	Transcription elongation factors represent in vivo cancer dependencies in glioblastoma. <i>Nature</i> , 2017, 547, 355-359.	27.8	156
18	Cell-based therapeutic strategies for multiple sclerosis. <i>Brain</i> , 2017, 140, 2776-2796.	7.6	139

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19	Epigenomic Comparison Reveals Activation of "Seed" Enhancers during Transition from Naive to Primed Pluripotency. <i>Cell Stem Cell</i> , 2014, 14, 854-863.	11.1	137
20	Direct and Indirect Contribution of Human Embryonic Stem Cell-Derived Hepatocyte-Like Cells to Liver Repair in Mice. <i>Gastroenterology</i> , 2012, 142, 602-611.	1.3	131
21	StemCellDB: The Human Pluripotent Stem Cell Database at the National Institutes of Health. <i>Stem Cell Research</i> , 2013, 10, 57-66.	0.7	104
22	Drug screening for human genetic diseases using iPSC models. <i>Human Molecular Genetics</i> , 2018, 27, R89-R98.	2.9	99
23	Derivation of germ-line-competent embryonic stem cell lines from preblastocyst mouse embryos. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 8239-8244.	7.1	97
24	Accessing naïve human pluripotency. <i>Current Opinion in Genetics and Development</i> , 2012, 22, 272-282.	3.3	92
25	CHD7 functions in the nucleolus as a positive regulator of ribosomal RNA biogenesis. <i>Human Molecular Genetics</i> , 2010, 19, 3491-3501.	2.9	91
26	Rapid and robust generation of functional oligodendrocyte progenitor cells from epiblast stem cells. <i>Nature Methods</i> , 2011, 8, 957-962.	19.0	77
27	Transcriptional regulatory networks in epiblast cells and during anterior neural plate development as modeled in epiblast stem cells. <i>Development (Cambridge)</i> , 2012, 139, 3926-3937.	2.5	75
28	Retinal Pigmented Epithelial Cells Obtained from Human Induced Pluripotent Stem Cells Possess Functional Visual Cycle Enzymes in Vitro and in Vivo. <i>Journal of Biological Chemistry</i> , 2013, 288, 34484-34493.	3.4	73
29	Treatment of non-resectable hepatocellular carcinoma with autologous tumor-pulsed dendritic cells. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2002, 17, 889-896.	2.8	59
30	Physiological genomics identifies genetic modifiers of long QT syndrome type 2 severity. <i>Journal of Clinical Investigation</i> , 2018, 128, 1043-1056.	8.2	56
31	Modeling the Mutational and Phenotypic Landscapes of Pelizaeus-Merzbacher Disease with Human iPSC-Derived Oligodendrocytes. <i>American Journal of Human Genetics</i> , 2017, 100, 617-634.	6.2	52
32	Transgenerational epigenetic effects of the <i>Apobec1</i> cytidine deaminase deficiency on testicular germ cell tumor susceptibility and embryonic viability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E2766-73.	7.1	50
33	Epiblast stem cells contribute new insight into pluripotency and gastrulation. <i>Development Growth and Differentiation</i> , 2010, 52, 293-301.	1.5	40
34	Oligodendrocyte Intrinsic miR-27a Controls Myelination and Remyelination. <i>Cell Reports</i> , 2019, 29, 904-919.e9.	6.4	40
35	Suppression of proteolipid protein rescues Pelizaeus-Merzbacher disease. <i>Nature</i> , 2020, 585, 397-403.	27.8	40
36	Cell Type-Specific Intralocus Interactions Reveal Oligodendrocyte Mechanisms in MS. <i>Cell</i> , 2020, 181, 382-395.e21.	28.9	39

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37	Characterizing medullary and human mesenchymal stem cell-derived adipocytes. <i>Journal of Cellular Physiology</i> , 2006, 207, 722-728.	4.1	34
38	Dysregulated Glial Differentiation in Schizophrenia May Be Relieved by Suppression of SMAD4- and REST-Dependent Signaling. <i>Cell Reports</i> , 2019, 27, 3832-3843.e6.	6.4	32
39	Isolation and Maintenance of Mouse Epiblast Stem Cells. <i>Methods in Molecular Biology</i> , 2010, 636, 25-44.	0.9	30
40	Transcription Elongation Factor <i>Tcea3</i> Regulates the Pluripotent Differentiation Potential of Mouse Embryonic Stem Cells Via the <i>Lefty1</i> -Nodal-Smad2 Pathway. <i>Stem Cells</i> , 2013, 31, 282-292.	3.2	30
41	Concise Review: Stem Cell-Based Treatment of Pelizaeus-Merzbacher Disease. <i>Stem Cells</i> , 2017, 35, 311-315.	3.2	28
42	Chemical Screening Identifies Enhancers of Mutant Oligodendrocyte Survival and Unmasks a Distinct Pathological Phase in Pelizaeus-Merzbacher Disease. <i>Stem Cell Reports</i> , 2018, 11, 711-726.	4.8	28
43	Using iPSC-derived human DA neurons from opioid-dependent subjects to study dopamine dynamics. <i>Brain and Behavior</i> , 2016, 6, e00491.	2.2	27
44	Transcriptome-Wide Analyses of Human Neonatal Articular Cartilage and Human Mesenchymal Stem Cell-Derived Cartilage Provide a New Molecular Target for Evaluating Engineered Cartilage. <i>Tissue Engineering - Part A</i> , 2018, 24, 335-350.	3.1	27
45	Oligodendrocyte progenitor cell fate and function in development and disease. <i>Current Opinion in Cell Biology</i> , 2021, 73, 35-40.	5.4	27
46	Non-canonical Targets of HIF1a Impair Oligodendrocyte Progenitor Cell Function. <i>Cell Stem Cell</i> , 2021, 28, 257-272.e11.	11.1	25
47	Diverse Chemical Scaffolds Enhance Oligodendrocyte Formation by Inhibiting CYP51, TM7SF2, or EBP. <i>Cell Chemical Biology</i> , 2019, 26, 593-599.e4.	5.2	24
48	Genetic Factors on Mouse Chromosome 18 Affecting Susceptibility to Testicular Germ Cell Tumors and Permissiveness to Embryonic Stem Cell Derivation. <i>Cancer Research</i> , 2009, 69, 9112-9117.	0.9	23
49	Perceptual variation in grading hand, hip and knee radiographs: observations based on an Australian Twin Registry study of osteoarthritis. <i>Annals of the Rheumatic Diseases</i> , 1999, 58, 766-769.	0.9	22
50	Contrasting effects of Deadend1 (<i>Dnd1</i>) gain and loss of function mutations on allelic inheritance, testicular cancer, and intestinal polyposis. <i>BMC Genetics</i> , 2013, 14, 54.	2.7	21
51	Rapid functional genetics of the oligodendrocyte lineage using pluripotent stem cells. <i>Nature Communications</i> , 2018, 9, 3708.	12.8	20
52	Pathogenic Prion Protein Isoforms Are Not Present in Cerebral Organoids Generated from Asymptomatic Donors Carrying the E200K Mutation Associated with Familial Prion Disease. <i>Pathogens</i> , 2020, 9, 482.	2.8	19
53	NG2 expression in NG2 glia is regulated by binding of SoxE and bHLH transcription factors to a <i>Cspg4</i> intronic enhancer. <i>Glia</i> , 2018, 66, 2684-2699.	4.9	18
54	An ES-Like Pluripotent State in FGF-Dependent Murine iPS cells. <i>PLoS ONE</i> , 2010, 5, e16092.	2.5	17

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55	DNA and Chromatin Modification Networks Distinguish Stem Cell Pluripotent Ground States. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 1036-1047.	3.8	15
56	Lgr5 Marks Post-Mitotic, Lineage Restricted Cerebellar Granule Neurons during Postnatal Development. <i>PLoS ONE</i> , 2014, 9, e114433.	2.5	14
57	Developing therapeutic strategies to promote myelin repair in multiple sclerosis. <i>Expert Review of Neurotherapeutics</i> , 2019, 19, 997-1013.	2.8	13
58	Clemastine fumarate for promotion of optic nerve remyelination. <i>Lancet, The</i> , 2017, 390, 2421-2422.	13.7	11
59	The Chromatin Environment Around Interneuron Genes in Oligodendrocyte Precursor Cells and Their Potential for Interneuron Reprogramming. <i>Frontiers in Neuroscience</i> , 2019, 13, 829.	2.8	11
60	Snapshots of Pluripotency. <i>Stem Cell Reports</i> , 2016, 6, 163-167.	4.8	8
61	Inhibition of SC4MOL and HSD17B7 shifts cellular sterol composition and promotes oligodendrocyte formation. <i>RSC Chemical Biology</i> , 2022, 3, 56-68.	4.1	7
62	Generation and Characterization of Epiblast Stem Cells from Blastocyst-Stage Mouse Embryos. <i>Methods in Molecular Biology</i> , 2013, 1074, 1-13.	0.9	6
63	Depletion of Olig2 in oligodendrocyte progenitor cells infected by Theiler's murine encephalomyelitis virus. <i>Journal of NeuroVirology</i> , 2016, 22, 336-348.	2.1	5
64	Lower Dopamine D ₂ Receptor Expression Levels in Human Dopaminergic Neurons Derived From Opioid-Dependent iPSCs. <i>American Journal of Psychiatry</i> , 2016, 173, 429-431.	7.2	4
65	Tracking down the human myelinating cell. <i>Nature Biotechnology</i> , 2011, 29, 881-883.	17.5	3
66	Transcriptional regulatory networks in epiblast cells and during anterior neural plate development as modeled in epiblast stem cells. <i>Development (Cambridge)</i> , 2012, 139, 4675-4675.	2.5	2
67	Disorders of myelin. , 2020, , 309-335.		2
68	Cloning advance calls for careful regulation. <i>Nature</i> , 2011, 478, 36-37.	27.8	1
69	Paul Tesar. <i>Nature Methods</i> , 2011, 8, 887-887.	19.0	1
70	#StemCells: Education, Innovation, and Outreach. <i>Cell Stem Cell</i> , 2013, 13, 517-519.	11.1	1
71	iPSC Reprogramming Is Not Just an Open and Shut Case. <i>Cell Stem Cell</i> , 2017, 21, 711-712.	11.1	1
72	Chromatin Regulation by Long Non-coding RNAs. , 2013, , 1-13.		1

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73	iPSC-Based Disease Modeling and Drug Screening: An Interview with Paul Tesar and Matthew Elitt. Stem Cell Reports, 2018, 11, 613-615.	4.8	0
74	Monkeying Around with the Genome. Science Translational Medicine, 2014, 6, .	12.4	0
75	Somatic Cell Nuclear Transfer Is All Grown Up. Science Translational Medicine, 2014, 6, .	12.4	0
76	Power of the Young—New Stem Cell Source for Treating Autoimmune Disease. Science Translational Medicine, 2014, 6, .	12.4	0
77	A Pillar of Hope for New Multiple Sclerosis Therapeutics. Science Translational Medicine, 2014, 6, .	12.4	0
78	Two Paths Diverged in a Schwann Cell. Science Translational Medicine, 2014, 6, .	12.4	0
79	Stem Cell Therapy for Diabetes Comes of Age. Science Translational Medicine, 2014, 6, .	12.4	0
80	Morphing Cell Identity to Treat Diabetes. Science Translational Medicine, 2014, 6, .	12.4	0
81	Stem cell transplants may HALT multiple sclerosis. Science Translational Medicine, 2015, 7, .	12.4	0
82	Boosting our brains. Science Translational Medicine, 2015, 7, .	12.4	0