Paul J Tesar

List of Publications by Year in Descending Order

72 papers	6,487 citations	34 h-index	80 g-index
87 ext. papers	7,520 ext. citations	15.1 avg, IF	5.47 L-index

#	Paper	IF	Citations
72	Inhibition of SC4MOL and HSD17B7 shifts cellular sterol composition and promotes oligodendrocyte formation.. *RSC Chemical Biology*, **2022**, 3, 56-68	3	0
71	Non-canonical Targets of HIF1a Impair Oligodendrocyte Progenitor Cell Function. *Cell Stem Cell*, **2021**, 28, 257-272.e11	18	9
70	Oligodendrocyte progenitor cell fate and function in development and disease. *Current Opinion in Cell Biology*, **2021**, 73, 35-40	9	4
69	Disorders of myelin **2020**, 309-335		0
68	Pathogenic Prion Protein Isoforms Are Not Present in Cerebral Organoids Generated from Asymptomatic Donors Carrying the E200K Mutation Associated with Familial Prion Disease. *Pathogens*, **2020**, 9,	4.5	8
67	Cell Type-Specific Intralocus Interactions Reveal Oligodendrocyte Mechanisms in MS. *Cell*, **2020**, 181, 382-395.e21	56.2	20
66	Suppression of proteolipid protein rescues Pelizaeus-Merzbacher disease. *Nature*, **2020**, 585, 397-403	50.4	17
65	The Chromatin Environment Around Interneuron Genes in Oligodendrocyte Precursor Cells and Their Potential for Interneuron Reprograming. *Frontiers in Neuroscience*, **2019**, 13, 829	5.1	8
64	Developing therapeutic strategies to promote myelin repair in multiple sclerosis. *Expert Review of Neurotherapeutics*, **2019**, 19, 997-1013	4.3	11
63	Dysregulated Glial Differentiation in Schizophrenia May Be Relieved by Suppression of SMAD4- and REST-Dependent Signaling. *Cell Reports*, **2019**, 27, 3832-3843.e6	10.6	19
62	Oligodendrocyte Intrinsic miR-27a Controls Myelination and Remyelination. *Cell Reports*, **2019**, 29, 904-919.e9	10.6	22
61	Diverse Chemical Scaffolds Enhance Oligodendrocyte Formation by Inhibiting CYP51, TM7SF2, or EBP. *Cell Chemical Biology*, **2019**, 26, 593-599.e4	8.2	13
60	Transcriptome-Wide Analyses of Human Neonatal Articular Cartilage and Human Mesenchymal Stem Cell-Derived Cartilage Provide a New Molecular Target for Evaluating Engineered Cartilage. *Tissue Engineering - Part A*, **2018**, 24, 335-350	3.9	19
59	Accumulation of 8,9-unsaturated sterols drives oligodendrocyte formation and remyelination. *Nature*, **2018**, 560, 372-376	50.4	104
58	Induction of myelinating oligodendrocytes in human cortical spheroids. *Nature Methods*, **2018**, 15, 700-706	26.6	156
57	Chemical Screening Identifies Enhancers of Mutant Oligodendrocyte Survival and Unmasks a Distinct Pathological Phase in Pelizaeus-Merzbacher Disease. *Stem Cell Reports*, **2018**, 11, 711-726	8	17
56	Physiological genomics identifies genetic modifiers of long QT syndrome type 2 severity. *Journal of Clinical Investigation*, **2018**, 128, 1043-1056	15.9	36

55	NG2 expression in NG2 glia is regulated by binding of SoxE and bHLH transcription factors to a Cspg4 intronic enhancer. *Glia*, **2018**, 66, 2684-2699	9	10
54	Rapid functional genetics of the oligodendrocyte lineage using pluripotent stem cells. *Nature Communications*, **2018**, 9, 3708	17.4	12
53	Drug screening for human genetic diseases using iPSC models. *Human Molecular Genetics*, **2018**, 27, R89-R98	5.8	70
52	Modeling the Mutational and Phenotypic Landscapes of Pelizaeus-Merzbacher Disease with Human iPSC-Derived Oligodendrocytes. *American Journal of Human Genetics*, **2017**, 100, 617-634	11	43
51	Clemastine fumarate for promotion of optic nerve remyelination. *Lancet, The*, **2017**, 390, 2421-2422	40	10
50	Human iPSC Glial Mouse Chimeras Reveal Glial Contributions to Schizophrenia. *Cell Stem Cell*, **2017**, 21, 195-208.e6	18	143
49	iPSC Reprogramming Is Not Just an Open and Shut Case. *Cell Stem Cell*, **2017**, 21, 711-712	18	1
48	Transcription elongation factors represent in vivo cancer dependencies in glioblastoma. *Nature*, **2017**, 547, 355-359	50.4	109
47	Concise Review: Stem Cell-Based Treatment of Pelizaeus-Merzbacher Disease. *Stem Cells*, **2017**, 35, 311-315	5.8	22
46	Cell-based therapeutic strategies for multiple sclerosis. *Brain*, **2017**, 140, 2776-2796	11.2	102
45	Reprogramming of Mouse Fibroblasts to Induced Oligodendrocyte Progenitor Cells. *Neuromethods*, **2017**, 79-93	0.4	
44	Using iPSC-derived human DA neurons from opioid-dependent subjects to study dopamine dynamics. *Brain and Behavior*, **2016**, 6, e00491	3.4	20
43	Depletion of Olig2 in oligodendrocyte progenitor cells infected by Theiler's murine encephalomyelitis virus. *Journal of NeuroVirology*, **2016**, 22, 336-48	3.9	4
42	Snapshots of Pluripotency. *Stem Cell Reports*, **2016**, 6, 163-7	8	7
41	Lower Dopamine D2 Receptor Expression Levels in Human Dopaminergic Neurons Derived From Opioid-Dependent iPSCs. *American Journal of Psychiatry*, **2016**, 173, 429-31	11.9	4
40	Drug-based modulation of endogenous stem cells promotes functional remyelination in vivo. *Nature*, **2015**, 522, 216-20	50.4	255
39	Preferential Iron Trafficking Characterizes Glioblastoma Stem-like Cells. *Cancer Cell*, **2015**, 28, 441-455	24.3	160
38	Epigenomic comparison reveals activation of "seed" enhancers during transition from naive to primed pluripotency. *Cell Stem Cell*, **2014**, 14, 854-63	18	109

37	Lgr5 Marks Post-Mitotic, Lineage Restricted Cerebellar Granule Neurons during Postnatal Development. *PLoS ONE*, **2014**, 9, e114433	3.7	10
36	Derivation of naive human embryonic stem cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 4484-9	11.5	344
35	NPTX1 regulates neural lineage specification from human pluripotent stem cells. *Cell Reports*, **2014**, 6, 724-36	10.6	43
34	Contrasting effects of Deadend1 (Dnd1) gain and loss of function mutations on allelic inheritance, testicular cancer, and intestinal polyposis. *BMC Genetics*, **2013**, 14, 54	2.6	17
33	Retinal pigmented epithelial cells obtained from human induced pluripotent stem cells possess functional visual cycle enzymes in vitro and in vivo. *Journal of Biological Chemistry*, **2013**, 288, 34484-93	5.4	64
32	Transcription factor-mediated reprogramming of fibroblasts to expandable, myelinogenic oligodendrocyte progenitor cells. *Nature Biotechnology*, **2013**, 31, 426-33	44.5	193
31	StemCellDB: the human pluripotent stem cell database at the National Institutes of Health. *Stem Cell Research*, **2013**, 10, 57-66	1.6	74
30	Transcription elongation factor Tcea3 regulates the pluripotent differentiation potential of mouse embryonic stem cells via the Lefty1-Nodal-Smad2 pathway. *Stem Cells*, **2013**, 31, 282-92	5.8	24
29	Generation and characterization of epiblast stem cells from blastocyst-stage mouse embryos. *Methods in Molecular Biology*, **2013**, 1074, 1-13	1.4	5
28	Chromatin Regulation by Long Non-coding RNAs **2013**, 1-13		1
27	Transgenerational epigenetic effects of the Apobec1 cytidine deaminase deficiency on testicular germ cell tumor susceptibility and embryonic viability. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E2766-73	11.5	37
26	Accessing naïve human pluripotency. *Current Opinion in Genetics and Development*, **2012**, 22, 272-82	4.9	78
25	Transcriptional regulatory networks in epiblast cells and during anterior neural plate development as modeled in epiblast stem cells. *Development (Cambridge)*, **2012**, 139, 4675-4675	6.6	1
24	Direct and indirect contribution of human embryonic stem cell-derived hepatocyte-like cells to liver repair in mice. *Gastroenterology*, **2012**, 142, 602-11	13.3	105
23	Epigenomic enhancer profiling defines a signature of colon cancer. *Science*, **2012**, 336, 736-9	33.3	255
22	DNA and chromatin modification networks distinguish stem cell pluripotent ground states. *Molecular and Cellular Proteomics*, **2012**, 11, 1036-47	7.6	12
21	Transcriptional regulatory networks in epiblast cells and during anterior neural plate development as modeled in epiblast stem cells. *Development (Cambridge)*, **2012**, 139, 3926-37	6.6	63
20	Rapid and robust generation of functional oligodendrocyte progenitor cells from epiblast stem cells. *Nature Methods*, **2011**, 8, 957-62	21.6	61

19	Isolation of epiblast stem cells from preimplantation mouse embryos. *Cell Stem Cell*, **2011**, 8, 318-25	18	135
18	Stem cells: Cloning advance calls for careful regulation. *Nature*, **2011**, 478, 36-7	50.4	1
17	Epigenetic signatures distinguish multiple classes of enhancers with distinct cellular functions. *Genome Research*, **2011**, 21, 1273-83	9.7	402
16	Paul Tesar. *Nature Methods*, **2011**, 8, 887	21.6	1
15	Epiblast stem cells contribute new insight into pluripotency and gastrulation. *Development Growth and Differentiation*, **2010**, 52, 293-301	3	38
14	An ES-like pluripotent state in FGF-dependent murine iPS cells. *PLoS ONE*, **2010**, 5, e16092	3.7	16
13	CHD7 functions in the nucleolus as a positive regulator of ribosomal RNA biogenesis. *Human Molecular Genetics*, **2010**, 19, 3491-501	5.6	78
12	ELF5-enforced transcriptional networks define an epigenetically regulated trophoblast stem cell compartment in the human placenta. *Human Molecular Genetics*, **2010**, 19, 2456-67	5.6	141
11	Conserved and divergent roles of FGF signaling in mouse epiblast stem cells and human embryonic stem cells. *Cell Stem Cell*, **2010**, 6, 215-26	18	270
10	Isolation and maintenance of mouse epiblast stem cells. *Methods in Molecular Biology*, **2010**, 636, 25-44	1.4	27
9	CHD7 targets active gene enhancer elements to modulate ES cell-specific gene expression. *PLoS Genetics*, **2010**, 6, e1001023	6	188
8	Genetic factors on mouse chromosome 18 affecting susceptibility to testicular germ cell tumors and permissiveness to embryonic stem cell derivation. *Cancer Research*, **2009**, 69, 9112-7	10.1	19
7	The growth factor environment defines distinct pluripotent ground states in novel blastocyst-derived stem cells. *Cell*, **2008**, 135, 449-61	56.2	183
6	New cell lines from mouse epiblast share defining features with human embryonic stem cells. *Nature*, **2007**, 448, 196-9	50.4	1694
5	Identification and characterization of cell type-specific and ubiquitous chromatin regulatory structures in the human genome. *PLoS Genetics*, **2007**, 3, e136	6	178
4	Characterizing medullary and human mesenchymal stem cell-derived adipocytes. *Journal of Cellular Physiology*, **2006**, 207, 722-8	7	31
3	Derivation of germ-line-competent embryonic stem cell lines from preblastocyst mouse embryos. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 8239-44	11.5	83
2	Treatment of non-resectable hepatocellular carcinoma with autologous tumor-pulsed dendritic cells. *Journal of Gastroenterology and Hepatology (Australia)*, **2002**, 17, 889-96	4	52

1	Perceptual variation in grading hand, hip and knee radiographs: observations based on an Australian twin registry study of osteoarthritis. *Annals of the Rheumatic Diseases*, **1999**, 58, 766-9	2.4	18