Paul S Knoepfler

List of Publications by Year
in descending order

83 papers	6,138 citations	66343 42 h-index	71685 76 g-index
84 all docs	84 docs citations	84 times ranked	8947 citing authors

#	Article	IF	Citations
1	N-myc is essential during neurogenesis for the rapid expansion of progenitor cell populations and the inhibition of neuronal differentiation. Genes and Development, 2002, 16, 2699-2712.	5.9	451
2	Deconstructing Stem Cell Tumorigenicity: A Roadmap to Safe Regenerative Medicine. Stem Cells, 2009, 27, 1050-1056.	3.2	423
3	Myc influences global chromatin structure. EMBO Journal, 2006, 25, 2723-2734.	7.8	343
4	Sin Meets NuRD and Other Tails of Repression. Cell, 1999, 99, 447-450.	28.9	332
5	Pbx Marks Genes for Activation by MyoD Indicating a Role for a Homeodomain Protein in Establishing Myogenic Potential. Molecular Cell, 2004, 14, 465-477.	9.7	307
6	Selling Stem Cells in the USA: Assessing the Direct-to-Consumer Industry. Cell Stem Cell, 2016, 19, 154-157.	11.1	298
7	Hematopoietic Stem Cell Function and Survival Depend on c-Myc and N-Myc Activity. Cell Stem Cell, 2008, 3, 611-624.	11.1	253
8	Nmyc plays an essential role during lung development as a dosage-sensitive regulator of progenitor cell proliferation and differentiation. Development (Cambridge), 2005, 132, 1363-1374.	2.5	219
9	Meis1 and pKnox1 bind DNA cooperatively with Pbx1 utilizing an interaction surface disrupted in oncoprotein E2a-Pbx1. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 14553-14558.	7.1	184
10	myc maintains embryonic stem cell pluripotency and self-renewal. Differentiation, 2010, 80, 9-19.	1.9	165
11	N-myc Is an Essential Downstream Effector of Shh Signaling during both Normal and Neoplastic Cerebellar Growth. Cancer Research, 2006, 66, 8655-8661.	0.9	157
12	The Pentapeptide Motif of Hox Proteins Is Required for Cooperative DNA Binding with Pbx1, Physically Contacts Pbx1, and Enhances DNA Binding by Pbx1. Molecular and Cellular Biology, 1995, 15, 5811-5819.	2.3	154
13	Both Pbx1 and E2A-Pbx1 Bind the DNA Motif ATCAATCAA Cooperatively with the Products of Multiple Murine <i>Hox</i> Genes, Some of Which Are Themselves Oncogenes. Molecular and Cellular Biology, 1995, 15, 3786-3795.	2.3	145
14	Division and apoptosis of E2f-deficient retinal progenitors. Nature, 2009, 462, 925-929.	27.8	132
15	N-Myc Regulates a Widespread Euchromatic Program in the Human Genome Partially Independent of Its Role as a Classical Transcription Factor. Cancer Research, 2008, 68, 9654-9662.	0.9	121
16	Histone H3.3 Mutations: A Variant Path to Cancer. Cancer Cell, 2013, 24, 567-574.	16.8	117
17	Myc Goes Global: New Tricks for an Old Oncogene: Figure 1.. Cancer Research, 2007, 67, 5061-5063.	0.9	113
18	Why Myc? An Unexpected Ingredient in the Stem Cell Cocktail. Cell Stem Cell, 2008, 2, 18-21.	11.1	110

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19	Myc stimulates B lymphocyte differentiation and amplifies calcium signaling. Journal of Cell Biology, 2007, 179, 717-731.	5.2	109
20	A conserved motif N-terminal to the DNA-binding domains of myogenic bHLH transcription factors mediates cooperative DNA binding with Pbx-Meis1/Prep1. Nucleic Acids Research, 1999, 27, 3752-3767.	14.5	107
21	Induced Pluripotency and Oncogenic Transformation Are Related Processes. Stem Cells and Development, 2013, 22, 37-50.	2.1	98
22	Histone H3.3 regulates dynamic chromatin states during spermatogenesis. Development (Cambridge), 2014, 141, 3483-3494.	2.5	97
23	Neural Precursor Cycling at Sonic Speed: N-Myc Pedals, GSK-3 Brakes. Cell Cycle, 2006, 5, 47-52.	2.6	90
24	From bench to FDA to bedside: US regulatory trends for new stem cell therapies. Advanced Drug Delivery Reviews, 2015, 82-83, 192-196.	13.7	82
25	Wnt signaling and its downstream target N-myc regulate basal progenitors in the developing neocortex. Development (Cambridge), 2010, 137, 1035-1044.	2.5	81
26	Endogenous mammalian histone H3.3 exhibits chromatin-related functions during development. Epigenetics and Chromatin, 2013, 6, 7.	3.9	79
27	Direct interaction of two homeoproteins, Homothorax and Extradenticle, is essential for EXD nuclear localization and function. Mechanisms of Development, 2000, 91, 279-291.	1.7	78
28	N-Myc Regulates Expression of Pluripotency Genes in Neuroblastoma Including lif, klf2, klf4, and lin28b. PLoS ONE, 2009, 4, e5799.	2.5	77
29	N-Myc and the cyclin-dependent kinase inhibitors p18Ink4c and p27Kip1 coordinately regulate cerebellar development. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 11579-11583.	7.1	69
30	HBP1 and Mad1 repressors bind the Sin3 corepressor PAH2 domain with opposite helical orientations. Nature Structural and Molecular Biology, 2004, 11, 738-746.	8.2	68
31	Induced Pluripotent Stem Cells Show Metabolomic Differences to Embryonic Stem Cells in Polyunsaturated Phosphatidylcholines and Primary Metabolism. PLoS ONE, 2012, 7, e46770.	2.5	68
32	Inducing iPSCs to Escape the Dish. Cell Stem Cell, 2011, 9, 103-111.	11.1	65
33	N-Myc and GCN5 Regulate Significantly Overlapping Transcriptional Programs in Neural Stem Cells. PLoS ONE, 2012, 7, e39456.	2.5	55
34	HoxB8 requires its Pbx-interaction motif to block differentiation of primary myeloid progenitors and of most cell line models of myeloid differentiation. Oncogene, 2001, 20, 5440-5448.	5.9	54
35	Reviewing post-publication peer review. Trends in Genetics, 2015, 31, 221-223.	6.7	51
36	The FDA and the US direct-to-consumer marketplace for stem cell interventions: a temporal analysis. Regenerative Medicine, 2018, 13, 19-27.	1.7	48

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37	Activities of N-Myc in the developing limb link control of skeletal size with digit separation. Development (Cambridge), 2007, 134, 1583-1592.	2.5	47
38	Acting Locally and Globally: Myc's Ever-Expanding Roles on Chromatin. Cancer Research, 2009, 69, 7487-7490.	0.9	47
39	<i>N-myc</i>Controls Proliferation, Morphogenesis, and Patterning of the Inner Ear. Journal of Neuroscience, 2011, 31, 7178-7189.	3.6	46
40	c-<i>myc</i>and N-<i>myc</i>promote active stem cell metabolism and cycling as architects of the developing brain. Oncotarget, 2010, 1, 120-130.	1.8	46
41	N-myc coordinates retinal growth with eye size during mouse development. Genes and Development, 2008, 22, 179-193.	5.9	45
42	c- and N-myc Regulate Neural Precursor Cell Fate, Cell Cycle, and Metabolism to Direct Cerebellar Development. Cerebellum, 2010, 9, 537-547.	2.5	44
43	The highest affinity DNA element bound by Pbx complexes in t(1;19) leukemic cells fails to mediate cooperative DNA-binding or cooperative transactivation by E2a-Pbx1 and Classâ€‰I Hox proteinsâ€‰â€“â€‰evidence for selective targetting of E2a-Pbx1 to a subset of Pbx-recognition elements. Oncogene, 1997, 14, 2521-2531.	5.9	41
44	An inhibitory switch derepressed by Pbx, Hox, and Meis/Prep1 partners regulates DNA-binding by Pbx1 and E2a-Pbx1 and is dispensable for myeloid immortalization by E2a-Pbx1. Oncogene, 1999, 18, 8033-8043.	5.9	39
45	Reciprocal H3.3 gene editing identifies K27M and G34R mechanisms in pediatric glioma including NOTCH signaling. Communications Biology, 2020, 3, 363.	4.4	32
46	Gene Expression in a Swine Model of Right Ventricular Hypertrophy: Intercellular Adhesion Molecule, Vascular Endothelial Growth Factor and Plasminogen Activators are Upregulated during Pressure Overload. Journal of Molecular and Cellular Cardiology, 1995, 27, 1427-1441.	1.9	31
47	The Pbx family of proteins is strongly upregulated by a post-transcriptional mechanism during retinoic acid-induced differentiation of P19 embryonal carcinoma cells. Mechanisms of Development, 1997, 63, 5-14.	1.7	31
48	Myc and Miz-1 have coordinate genomic functions including targeting Hox genes in human embryonic stem cells. Epigenetics and Chromatin, 2011, 4, 20.	3.9	30
49	Identification of DPPA4 and DPPA2 as a novel family of pluripotency-related oncogenes. Stem Cells, 2013, 31, 2330-2342.	3.2	27
50	Call for fellowship programs in stem cell-based regenerative and cellular medicine: new stem cell training is essential for physicians. Regenerative Medicine, 2013, 8, 223-225.	1.7	25
51	Rapid change of a cohort of 570 unproven stem cell clinics in the USA over 3Âyears. Regenerative Medicine, 2019, 14, 735-740.	1.7	19
52	The Stem Cell Hard Sell: Report from a Clinic's Patient Recruitment Seminar. Stem Cells Translational Medicine, 2017, 6, 14-16.	3.3	18
53	Key anticipated regulatory issues for clinical use of human induced pluripotent stem cells. Regenerative Medicine, 2012, 7, 713-720.	1.7	16
54	Genomic functions of developmental pluripotency associated factor 4 (Dppa4) in pluripotent stem cells and cancer. Stem Cell Research, 2018, 31, 83-94.	0.7	14

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55	Miz-1 Activates Gene Expression via a Novel Consensus DNA Binding Motif. PLoS ONE, 2014, 9, e101151.	2.5	14
56	Constitutive gray hair in mice induced by melanocyteâ€specific deletion of câ€Myc. Pigment Cell and Melanoma Research, 2012, 25, 312-325.	3.3	13
57	To CRISPR and beyond: the evolution of genome editing in stem cells. Regenerative Medicine, 2016, 11, 801-816.	1.7	13
58	CRISPR-mediated HDAC2 disruption identifies two distinct classes of target genes in human cells. PLoS ONE, 2017, 12, e0185627.	2.5	11
59	Too Much Carrot and Not Enough Stick in New Stem Cell Oversight Trends. Cell Stem Cell, 2018, 23, 18-20.	11.1	10
60	ERBB3-Binding Protein 1 (EBP1) Is a Novel Developmental Pluripotency-Associated-4 (DPPA4) Cofactor in Human Pluripotent Cells. Stem Cells, 2018, 36, 671-682.	3.2	9
61	Chromatin Immunoprecipitation Assays for Myc and N-Myc. Methods in Molecular Biology, 2013, 1012, 117-133.	0.9	9
62	Histone H3.3 K27M chromatin functions implicate a network of neurodevelopmental factors including ASCL1 and NEUROD1 in DIPG. Epigenetics and Chromatin, 2022, 15, 18.	3.9	9
63	Utf1: Goldilocks for ESC Bivalency. Cell Stem Cell, 2012, 11, 732-734.	11.1	7
64	Behavior of Xeno-Transplanted Undifferentiated Human Induced Pluripotent Stem Cells Is Impacted by Microenvironment Without Evidence of Tumors. Stem Cells and Development, 2017, 26, 1409-1423.	2.1	6
65	Key Action Items for the Stem Cell Field: Looking Ahead to 2014. Stem Cells and Development, 2013, 22, 10-12.	2.1	5
66	Myc binds the pluripotency factor Utf1 through the basic-helix-loop-helix leucine zipper domain. Biochemical and Biophysical Research Communications, 2013, 435, 551-556.	2.1	5
67	When patients reach out, scientists should reach back carefully. Nature Medicine, 2016, 22, 230-230.	30.7	5
68	Mapping and driving the stem cell ecosystem. Regenerative Medicine, 2018, 13, 845-858.	1.7	5
69	Transduction of Human Cells with Polymer-complexed Ecotropic Lentivirus for Enhanced Biosafety. Journal of Visualized Experiments, 2011, , .	0.3	4
70	Anticipated impact of stem cell and other cellular medicine clinical trials for COVID-19. Regenerative Medicine, 2021, 16, 525-533.	1.7	4
71	Stem Cells on the Brain. Archives of Neurology, 2008, 65, 311-5.	4.5	2
72	C-myc and N-myc in the developing brain. Aging, 2010, 2, 261-262.	3.1	2

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73	Myc Supports Self-Renewal of Basal Cells in the Esophageal Epithelium. Frontiers in Cell and Developmental Biology, 2022, 10, 786031.	3.7	2
74	Arrestin' the hedgehog: Shh limits its own signaling via Î²-Arrestin1. Cell Cycle, 2010, 9, 4266-4265.	2.6	1
75	My year as a stem-cell blogger. Nature, 2011, 475, 425-425.	27.8	1
76	The Molecular Circuitry Underlying Pluripotency in Embryonic and Induced Pluripotent Stem Cells. , 2019, , 49-63.		1
77	Stem cell models help crack regional oncohistone codes driving childhood gliomas. Cell Stem Cell, 2021, 28, 785-787.	11.1	1
78	DPPA2, DPPA4, and other DPPA factor epigenomic functions in cell fate and cancer. Stem Cell Reports, 2021, 16, 2844-2851.	4.8	1
79	The death of MyMouseHouse: lessons for systems for the efficient management of mouse colonies. DMM Disease Models and Mechanisms, 2010, 3, 9-10.	2.4	0
80	Scientists: you really need to get out of the lab more. Nature Medicine, 2013, 19, 1086-1086.	30.7	0
81	Nichts als Drachen im Kopf. , 2021, , 83-111.		0
82	Myc stimulates B lymphocyte differentiation and amplifies calcium signaling. Journal of Experimental Medicine, 2007, 204, i29-i29.	8.5	0
83	Selbstbauanleitung zur Erschaffung von GMO sapiens. , 2018, , 135-158.		0