

Lawrence W Stanton

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

83

papers

9,107

citations

46

h-index

84

g-index

84

ext. papers

9,907

ext. citations

12.6

avg, IF

5.53

L-index

#	Paper	IF	Citations
83	Single-cell transcriptomics identifies master regulators of neurodegeneration in SOD1 ALS iPSC-derived motor neurons. <i>Stem Cell Reports</i> , 2021 ,	8	2
82	A genomic biomarker that identifies human bone marrow-derived mesenchymal stem cells with high scalability. <i>Stem Cells</i> , 2020 , 38, 1124-1136	5.8	7
81	In Reply. <i>Stem Cells</i> , 2020 , 38, E7-E8	5.8	
80	A Balanced Translocation in Kallmann Syndrome Implicates a Long Noncoding RNA, RMST, as a GnRH Neuronal Regulator. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020 , 105,	5.6	11
79	Phenotypic and molecular features underlying neurodegeneration of motor neurons derived from spinal and bulbar muscular atrophy patients. <i>Neurobiology of Disease</i> , 2019 , 124, 1-13	7.5	7
78	APP upregulation contributes to retinal ganglion cell degeneration via JNK3. <i>Cell Death and Differentiation</i> , 2018 , 25, 663-678	12.7	15
77	Cyclin-Dependent Kinase-Dependent Phosphorylation of Sox2 at Serine 39 Regulates Neurogenesis. <i>Molecular and Cellular Biology</i> , 2017 , 37,	4.8	13
76	Genetic Correction of SOD1 Mutant iPSCs Reveals ERK and JNK Activated AP1 as a Driver of Neurodegeneration in Amyotrophic Lateral Sclerosis. <i>Stem Cell Reports</i> , 2017 , 8, 856-869	8	82
75	Re-engineered RNA-Guided FokI-Nucleases for Improved Genome Editing in Human Cells. <i>Molecular Therapy</i> , 2017 , 25, 342-355	11.7	22
74	Generation of sibling-matched induced pluripotent stem cell lines from spinal and bulbar muscular atrophy patients. <i>Stem Cell Research</i> , 2017 , 20, 30-33	1.6	5
73	Single-cell gene expression analysis reveals regulators of distinct cell subpopulations among developing human neurons. <i>Genome Research</i> , 2017 , 27, 1783-1794	9.7	23
72	The Neurogenic Potential of Astrocytes Is Regulated by Inflammatory Signals. <i>Molecular Neurobiology</i> , 2016 , 53, 3724-3739	6.2	29
71	Molecular Features Underlying Neurodegeneration Identified through In Vitro Modeling of Genetically Diverse Parkinson's Disease Patients. <i>Cell Reports</i> , 2016 , 15, 2411-26	10.6	58
70	A Role for RE-1-Silencing Transcription Factor in Embryonic Stem Cells Cardiac Lineage Specification. <i>Stem Cells</i> , 2016 , 34, 860-72	5.8	4
69	MiR-375 is Essential for Human Spinal Motor Neuron Development and May Be Involved in Motor Neuron Degeneration. <i>Stem Cells</i> , 2016 , 34, 124-34	5.8	46
68	Pluripotency Activity of Nanog Requires Biochemical Stabilization by Variant Histone Protein H2A.Z. <i>Stem Cells</i> , 2015 , 33, 2126-34	5.8	8
67	Chromatin and RNA Maps Reveal Regulatory Long Noncoding RNAs in Mouse. <i>Molecular and Cellular Biology</i> , 2015 , 36, 809-19	4.8	55

66	NeuO: a Fluorescent Chemical Probe for Live Neuron Labeling. <i>Angewandte Chemie</i> , 2015 , 127, 2472-2476	9
65	RE1 silencing transcription factor/neuron-restrictive silencing factor regulates expansion of adult mouse subventricular zone-derived neural stem/progenitor cells in vitro. <i>Journal of Neuroscience Research</i> , 2015 , 93, 1203-14	4.4 10
64	Establishing criteria for human mesenchymal stem cell potency. <i>Stem Cells</i> , 2015 , 33, 1878-91	5.8 136
63	PDX1 binds and represses hepatic genes to ensure robust pancreatic commitment in differentiating human embryonic stem cells. <i>Stem Cell Reports</i> , 2015 , 4, 578-90	8 36
62	NeuO: a fluorescent chemical probe for live neuron labeling. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 2442-6	16.4 49
61	Transcription factor-induced lineage programming of noradrenaline and motor neurons from embryonic stem cells. <i>Stem Cells</i> , 2014 , 32, 609-22	5.8 21
60	Klf4 and Klf5 differentially inhibit mesoderm and endoderm differentiation in embryonic stem cells. <i>Nature Communications</i> , 2014 , 5, 3719	17.4 68
59	Pleiotropic functions for transcription factor zscan10. <i>PLoS ONE</i> , 2014 , 9, e104568	3.7 12
58	MiR-135b is a direct PAX6 target and specifies human neuroectoderm by inhibiting TGF- β /BMP signaling. <i>EMBO Journal</i> , 2014 , 33, 1271-83	13 46
57	Sox transcription factors require selective interactions with Oct4 and specific transactivation functions to mediate reprogramming. <i>Stem Cells</i> , 2013 , 31, 2632-46	5.8 48
56	Nanofibrous scaffold-mediated REST knockdown to enhance neuronal differentiation of stem cells. <i>Biomaterials</i> , 2013 , 34, 3581-90	15.6 83
55	The long noncoding RNA RMST interacts with SOX2 to regulate neurogenesis. <i>Molecular Cell</i> , 2013 , 51, 349-59	17.6 314
54	An epigenetic signature of developmental potential in neural stem cells and early neurons. <i>Stem Cells</i> , 2013 , 31, 1868-80	5.8 32
53	Long non-coding RNAs in stem cell pluripotency. <i>Wiley Interdisciplinary Reviews RNA</i> , 2013 , 4, 121-8	9.3 27
52	Dysregulation of REST-regulated coding and non-coding RNAs in a cellular model of Huntington's disease. <i>Journal of Neurochemistry</i> , 2013 , 124, 418-30	6 54
51	Oct4 switches partnering from Sox2 to Sox17 to reinterpret the enhancer code and specify endoderm. <i>EMBO Journal</i> , 2013 , 32, 938-53	13 129
50	Long noncoding RNAs in development and disease of the central nervous system. <i>Trends in Genetics</i> , 2013 , 29, 461-8	8.5 231
49	Genome wide analysis reveals Zic3 interaction with distal regulatory elements of stage specific developmental genes in zebrafish. <i>PLoS Genetics</i> , 2013 , 9, e1003852	6 30

48	Human long non-coding RNAs promote pluripotency and neuronal differentiation by association with chromatin modifiers and transcription factors. <i>EMBO Journal</i> , 2012 , 31, 522-33	13	401
47	Directing neuronal differentiation of primary neural progenitor cells by gene knockdown approach. <i>DNA and Cell Biology</i> , 2012 , 31, 1148-60	3.6	15
46	Repressor element 1 silencing transcription factor couples loss of pluripotency with neural induction and neural differentiation. <i>Stem Cells</i> , 2012 , 30, 425-34	5.8	30
45	Activin and BMP4 synergistically promote formation of definitive endoderm in human embryonic stem cells. <i>Stem Cells</i> , 2012 , 30, 631-42	5.8	86
44	Nanofiber topography and sustained biochemical signaling enhance human mesenchymal stem cell neural commitment. <i>Acta Biomaterialia</i> , 2012 , 8, 1290-302	10.8	101
43	A genome-wide screen for genetic variants that modify the recruitment of REST to its target genes. <i>PLoS Genetics</i> , 2012 , 8, e1002624	6	15
42	Neural stem cell specific fluorescent chemical probe binding to FABP7. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 10214-7	11.5	56
41	Structural analysis and dimerization profile of the SCAN domain of the pluripotency factor Zfp206. <i>Nucleic Acids Research</i> , 2012 , 40, 8721-32	20.1	16
40	Transcription factor-induced lineage selection of stem-cell-derived neural progenitor cells. <i>Cell Stem Cell</i> , 2011 , 8, 663-75	18	57
39	Conversion of Sox17 into a pluripotency reprogramming factor by reengineering its association with Oct4 on DNA. <i>Stem Cells</i> , 2011 , 29, 940-51	5.8	75
38	Coassembly of REST and its cofactors at sites of gene repression in embryonic stem cells. <i>Genome Research</i> , 2011 , 21, 1284-93	9.7	43
37	Genome-wide computational identification and manual annotation of human long noncoding RNA genes. <i>Rna</i> , 2010 , 16, 1478-87	5.8	295
36	Human accelerated region 1 noncoding RNA is repressed by REST in Huntington's disease. <i>Physiological Genomics</i> , 2010 , 41, 269-74	3.6	83
35	The pluripotency regulator Zic3 is a direct activator of the Nanog promoter in ESCs. <i>Stem Cells</i> , 2010 , 28, 1961-9	5.8	61
34	Evolution of the vertebrate gene regulatory network controlled by the transcriptional repressor REST. <i>Molecular Biology and Evolution</i> , 2009 , 26, 1491-507	8.3	32
33	Zfp206, Oct4, and Sox2 are integrated components of a transcriptional regulatory network in embryonic stem cells. <i>Journal of Biological Chemistry</i> , 2009 , 284, 31327-35	5.4	47
32	Is REST a regulator of pluripotency?. <i>Nature</i> , 2009 , 457, E5-6; discussion E7	50.4	48
31	Regulation of neural macroRNAs by the transcriptional repressor REST. <i>Rna</i> , 2009 , 15, 85-96	5.8	79

30	Detailed characterization of the mouse embryonic stem cell transcriptome reveals novel genes and intergenic splicing associated with pluripotency. <i>BMC Genomics</i> , 2008 , 9, 155	4.5	12
29	REST regulates distinct transcriptional networks in embryonic and neural stem cells. <i>PLoS Biology</i> , 2008 , 6, e256	9.7	155
28	The transcription factor Zfp281 controls embryonic stem cell pluripotency by direct activation and repression of target genes. <i>Stem Cells</i> , 2008 , 26, 2791-9	5.8	54
27	Genomic and proteomic characterization of embryonic stem cells. <i>Current Opinion in Chemical Biology</i> , 2007 , 11, 399-404	9.7	16
26	Zfp206 is a transcription factor that controls pluripotency of embryonic stem cells. <i>Stem Cells</i> , 2007 , 25, 2173-82	5.8	45
25	Generation of multipotential mesendodermal progenitors from mouse embryonic stem cells via sustained Wnt pathway activation. <i>Journal of Biological Chemistry</i> , 2007 , 282, 31703-12	5.4	96
24	Zic3 is required for maintenance of pluripotency in embryonic stem cells. <i>Molecular Biology of the Cell</i> , 2007 , 18, 1348-58	3.5	105
23	Oct4 and Sox2 directly regulate expression of another pluripotency transcription factor, Zfp206, in embryonic stem cells. <i>Journal of Biological Chemistry</i> , 2007 , 282, 12822-30	5.4	48
22	The Oct4 and Nanog transcription network regulates pluripotency in mouse embryonic stem cells. <i>Nature Genetics</i> , 2006 , 38, 431-40	36.3	1920
21	Scalable transcriptional analysis routine--multiplexed quantitative real-time polymerase chain reaction platform for gene expression analysis and molecular diagnostics. <i>Journal of Molecular Diagnostics</i> , 2005 , 7, 444-54	5.1	17
20	SARS transmission pattern in Singapore reassessed by viral sequence variation analysis. <i>PLoS Medicine</i> , 2005 , 2, e43	11.6	30
19	Inhibition of SARS coronavirus infection in vitro with clinically approved antiviral drugs. <i>Emerging Infectious Diseases</i> , 2004 , 10, 581-6	10.2	181
18	Laboratory-acquired severe acute respiratory syndrome. <i>New England Journal of Medicine</i> , 2004 , 350, 1740-5	59.2	107
17	Tracking the evolution of the SARS coronavirus using high-throughput, high-density resequencing arrays. <i>Genome Research</i> , 2004 , 14, 398-405	9.7	88
16	Transcriptome characterization elucidates signaling networks that control human ES cell growth and differentiation. <i>Nature Biotechnology</i> , 2004 , 22, 707-16	44.5	298
15	Mutational dynamics of the SARS coronavirus in cell culture and human populations isolated in 2003. <i>BMC Infectious Diseases</i> , 2004 , 4, 32	4	46
14	Comparative full-length genome sequence analysis of 14 SARS coronavirus isolates and common mutations associated with putative origins of infection. <i>Lancet, The</i> , 2003 , 361, 1779-85	40	362
13	Radiation hybrid mapping of 70 rat genes from a data set of differentially expressed genes. <i>Mammalian Genome</i> , 2002 , 13, 194-7	3.2	6

12	Insulin-like growth factor-binding protein-3 induces fetalization in neonatal rat cardiomyocytes. <i>DNA and Cell Biology</i> , 2000 , 19, 757-63	3.6	9
11	Host gene regulation during coxsackievirus B3 infection in mice: assessment by microarrays. <i>Circulation Research</i> , 2000 , 87, 328-34	15.7	96
10	Altered patterns of gene expression in response to myocardial infarction. <i>Circulation Research</i> , 2000 , 86, 939-45	15.7	313
9	Identification of Cd36 (Fat) as an insulin-resistance gene causing defective fatty acid and glucose metabolism in hypertensive rats. <i>Nature Genetics</i> , 1999 , 21, 76-83	36.3	636
8	Nucleotide sequence comparison of normal and translocated murine c-myc genes. <i>Nature</i> , 1984 , 310, 423-5	50.4	153
7	Rearrangement and Activation of C-MYC Oncogene by Chromosome Translocation in B Cell Neoplasias 1984 , 91-116		1
6	Translocation, breakage and truncated transcripts of c-myc oncogene in murine plasmacytomas. <i>Nature</i> , 1983 , 303, 401-6	50.4	492
5	Nucleotide sequence of cloned cDNA of human c-myc oncogene. <i>Nature</i> , 1983 , 303, 725-8	50.4	296
4	On immunoglobulin heavy chain gene switching: two gamma 2b genes are rearranged via switch sequences in MPC-11 cells but only one is expressed. <i>Nucleic Acids Research</i> , 1982 , 10, 611-30	20.1	114
3	Nucleotide sequence and properties of the murine gamma 3 immunoglobulin heavy chain gene switch region: implications for successive C gamma gene switching. <i>Nucleic Acids Research</i> , 1982 , 10, 5993-6006	20.1	62
2	A model for the molecular requirements of immunoglobulin heavy chain class switching. <i>Nature</i> , 1982 , 298, 87-9	50.4	84
1	Single cell transcriptomics identifies master regulators of neurodegeneration in SOD1 ALS motor neurons		2