Lawrence W Stanton

List of Publications by Year
in descending order

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83 papers	10,558 citations	43973 48 h-index	60497 81 g-index
84 all docs	84 docs citations	84 times ranked	14658 citing authors

#	Article	IF	Citations
1	The Oct4 and Nanog transcription network regulates pluripotency in mouse embryonic stem cells. Nature Genetics, 2006, 38, 431-440.	9.4	2,162
2	Identification of Cd36 (Fat) as an insulin-resistance gene causing defective fatty acid and glucose metabolism in hypertensive rats. Nature Genetics, 1999, 21, 76-83.	9.4	692
3	Translocation, breakage and truncated transcripts of c-myc oncogene in murine plasmacytomas. Nature, 1983, 303, 401-406.	13.7	528
4	Human long non-coding RNAs promote pluripotency and neuronal differentiation by association with chromatin modifiers and transcription factors. EMBO Journal, 2012, 31, 522-533.	3.5	461
5	Comparative full-length genome sequence analysis of 14 SARS coronavirus isolates and common mutations associated with putative origins of infection. Lancet, The, 2003, 361, 1779-1785.	6.3	423
6	The Long Noncoding RNA RMST Interacts with SOX2 to Regulate Neurogenesis. Molecular Cell, 2013, 51, 349-359.	4.5	378
7	Genome-wide computational identification and manual annotation of human long noncoding RNA genes. Rna, 2010, 16, 1478-1487.	1.6	354
8	Altered Patterns of Gene Expression in Response to Myocardial Infarction. Circulation Research, 2000, 86, 939-945.	2.0	353
9	Nucleotide sequence of cloned cDNA of human c-myc oncogene. Nature, 1983, 303, 725-728.	13.7	324
10	Transcriptome characterization elucidates signaling networks that control human ES cell growth and differentiation. Nature Biotechnology, 2004, 22, 707-716.	9.4	320
11	Long noncoding RNAs in development and disease of the central nervous system. Trends in Genetics, 2013, 29, 461-468.	2.9	319
12	Inhibition of SARS Coronavirus Infection In Vitro with Clinically Approved Antiviral Drugs. Emerging Infectious Diseases, 2004, 10, 581-586.	2.0	209
13	REST Regulates Distinct Transcriptional Networks in Embryonic and Neural Stem Cells. PLoS Biology, 2008, 6, e256.	2.6	172
14	Establishing Criteria for Human Mesenchymal Stem Cell Potency. Stem Cells, 2015, 33, 1878-1891.	1.4	163
15	Nucleotide sequence comparison of normal and translocated murine c-myc genes. Nature, 1984, 310, 423-425.	13.7	161
16	Oct4 switches partnering from Sox2 to Sox17 to reinterpret the enhancer code and specify endoderm. EMBO Journal, 2013, 32, 938-953.	3.5	161
17	Laboratory-Acquired Severe Acute Respiratory Syndrome. New England Journal of Medicine, 2004, 350, 1740-1745.	13.9	137
18	Zic3 Is Required for Maintenance of Pluripotency in Embryonic Stem Cells. Molecular Biology of the Cell, 2007, 18, 1348-1358.	0.9	121

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19	On immunoglobulin heavy chain gene switching: two Î³2b genes are rearranged via switch sequences in MPC-11 cells but only one is expressed. Nucleic Acids Research, 1982, 10, 611-630.	6.5	119
20	Nanofiber topography and sustained biochemical signaling enhance human mesenchymal stem cell neural commitment. Acta Biomaterialia, 2012, 8, 1290-1302.	4.1	111
21	Genetic Correction of SOD1 Mutant iPSCs Reveals ERK and JNK Activated AP1 as a Driver of Neurodegeneration in Amyotrophic Lateral Sclerosis. Stem Cell Reports, 2017, 8, 856-869.	2.3	108
22	Host Gene Regulation During Coxsackievirus B3 Infection in Mice. Circulation Research, 2000, 87, 328-334.	2.0	107
23	Generation of Multipotential Mesendodermal Progenitors from Mouse Embryonic Stem Cells via Sustained Wnt Pathway Activation. Journal of Biological Chemistry, 2007, 282, 31703-31712.	1.6	105
24	Tracking the Evolution of the SARS Coronavirus Using High-Throughput, High-Density Resequencing Arrays. Genome Research, 2004, 14, 398-405.	2.4	104
25	Human accelerated region 1 noncoding RNA is repressed by REST in Huntington's disease. Physiological Genomics, 2010, 41, 269-274.	1.0	97
26	Activin and BMP4 Synergistically Promote Formation of Definitive Endoderm in Human Embryonic Stem Cells. Stem Cells, 2012, 30, 631-642.	1.4	97
27	Klf4 and Klf5 differentially inhibit mesoderm and endoderm differentiation in embryonic stem cells. Nature Communications, 2014, 5, 3719.	5.8	94
28	Conversion of Sox17 into a Pluripotency Reprogramming Factor by Reengineering Its Association with Oct4 on DNA. Stem Cells, 2011, 29, 940-951.	1.4	92
29	Regulation of neural macroRNAs by the transcriptional repressor REST. Rna, 2009, 15, 85-96.	1.6	90
30	Nanofibrous scaffold-mediated REST knockdown to enhance neuronal differentiation of stem cells. Biomaterials, 2013, 34, 3581-3590.	5.7	90
31	A model for the molecular requirements of immunoglobulin heavy chain class switching. Nature, 1982, 298, 87-89.	13.7	85
32	Molecular Features Underlying Neurodegeneration Identified through InÂVitro Modeling of Genetically Diverse Parkinsonâ€™s Disease Patients. Cell Reports, 2016, 15, 2411-2426.	2.9	76
33	Chromatin and RNA Maps Reveal Regulatory Long Noncoding RNAs in Mouse. Molecular and Cellular Biology, 2016, 36, 809-819.	1.1	75
34	NeuO: a Fluorescent Chemical Probe for Live Neuron Labeling. Angewandte Chemie - International Edition, 2015, 54, 2442-2446.	7.2	73
35	Neural stem cell specific fluorescent chemical probe binding to FABP7. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10214-10217.	3.3	70
36	The Transcription Factor Zfp281 Controls Embryonic Stem Cell Pluripotency by Direct Activation and Repression of Target Genes. Stem Cells, 2008, 26, 2791-2799.	1.4	67

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37	The Pluripotency Regulator Zic3 Is a Direct Activator of the Nanog Promoter in ESCs. Stem Cells, 2010, 28, 1961-1969.	1.4	67
38	Nucleotide sequence and properties of the murine Î³3 immunoglobulin heavy chain gene switch region: implications for successive CÎ³gene switching. Nucleic Acids Research, 1982, 10, 5993-6006.	6.5	65
39	Zfp206, Oct4, and Sox2 Are Integrated Components of a Transcriptional Regulatory Network in Embryonic Stem Cells. Journal of Biological Chemistry, 2009, 284, 31327-31335.	1.6	65
40	Transcription Factor-Induced Lineage Selection of Stem-Cell-Derived Neural Progenitor Cells. Cell Stem Cell, 2011, 8, 663-675.	5.2	65
41	Dysregulation of <scp>REST</scp>â€regulated coding and nonâ€coding <scp>RNA</scp>s in a cellular model of Huntington's disease. Journal of Neurochemistry, 2013, 124, 418-430.	2.1	64
42	MiR-375 is Essential for Human Spinal Motor Neuron Development and May Be Involved in Motor Neuron Degeneration. Stem Cells, 2016, 34, 124-134.	1.4	64
43	Sox Transcription Factors Require Selective Interactions with Oct4 and Specific Transactivation Functions to Mediate Reprogramming. Stem Cells, 2013, 31, 2632-2646.	1.4	60
44	Oct4 and Sox2 Directly Regulate Expression of Another Pluripotency Transcription Factor, Zfp206, in Embryonic Stem Cells. Journal of Biological Chemistry, 2007, 282, 12822-12830.	1.6	59
45	Mutational dynamics of the SARS coronavirus in cell culture and human populations isolated in 2003. BMC Infectious Diseases, 2004, 4, 32.	1.3	58
46	Mi<scp>R</scp>â€135b is a direct <scp>PAX</scp>6 target and specifies human neuroectoderm by inhibiting <scp>TGF</scp>â€Î²/<scp>BMP</scp> signaling. EMBO Journal, 2014, 33, 1271-1283.	3.5	53
47	Is REST a regulator of pluripotency?. Nature, 2009, 457, E5-E6.	13.7	51
48	Zfp206 Is a Transcription Factor That Controls Pluripotency of Embryonic Stem Cells. Stem Cells, 2007, 25, 2173-2182.	1.4	50
49	Coassembly of REST and its cofactors at sites of gene repression in embryonic stem cells. Genome Research, 2011, 21, 1284-1293.	2.4	46
50	PDX1 Binds and Represses Hepatic Genes to Ensure Robust Pancreatic Commitment in Differentiating Human Embryonic Stem Cells. Stem Cell Reports, 2015, 4, 578-590.	2.3	44
51	An epigenetic signature of developmental potential in neural stem cells and early neurons. Stem Cells, 2013, 31, 1868-1880.	1.4	41
52	Single-cell gene expression analysis reveals regulators of distinct cell subpopulations among developing human neurons. Genome Research, 2017, 27, 1783-1794.	2.4	39
53	SARS Transmission Pattern in Singapore Reassessed by Viral Sequence Variation Analysis. PLoS Medicine, 2005, 2, e43.	3.9	37
54	Evolution of the Vertebrate Gene Regulatory Network Controlled by the Transcriptional Repressor REST. Molecular Biology and Evolution, 2009, 26, 1491-1507.	3.5	36

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55	The Neurogenic Potential of Astrocytes Is Regulated by Inflammatory Signals. Molecular Neurobiology, 2016, 53, 3724-3739.	1.9	36
56	Genome Wide Analysis Reveals Zic3 Interaction with Distal Regulatory Elements of Stage Specific Developmental Genes in Zebrafish. PLoS Genetics, 2013, 9, e1003852.	1.5	35
57	Repressor Element 1 Silencing Transcription Factor Couples Loss of Pluripotency with Neural Induction and Neural Differentiation. Stem Cells, 2012, 30, 425-434.	1.4	34
58	Long nonâ€coding RNAs in stem cell pluripotency. Wiley Interdisciplinary Reviews RNA, 2013, 4, 121-128.	3.2	29
59	A Balanced Translocation in Kallmann Syndrome Implicates a Long Noncoding RNA, RMST, as a GnRH Neuronal Regulator. Journal of Clinical Endocrinology and Metabolism, 2020, 105, e231-e244.	1.8	28
60	Transcription Factor-Induced Lineage Programming of Noradrenaline and Motor Neurons from Embryonic Stem Cells. Stem Cells, 2014, 32, 609-622.	1.4	25
61	Re-engineered RNA-Guided FokI-Nucleases for Improved Genome Editing in Human Cells. Molecular Therapy, 2017, 25, 342-355.	3.7	25
62	APP upregulation contributes to retinal ganglion cell degeneration via JNK3. Cell Death and Differentiation, 2018, 25, 663-678.	5.0	24
63	Structural analysis and dimerization profile of the SCAN domain of the pluripotency factor Zfp206. Nucleic Acids Research, 2012, 40, 8721-8732.	6.5	21
64	Scalable Transcriptional Analysis Routineâ€"Multiplexed Quantitative Real-Time Polymerase Chain Reaction Platform for Gene Expression Analysis and Molecular Diagnostics. Journal of Molecular Diagnostics, 2005, 7, 444-454.	1.2	19
65	Cyclin-Dependent Kinase-Dependent Phosphorylation of Sox2 at Serine 39 Regulates Neurogenesis. Molecular and Cellular Biology, 2017, 37, .	1.1	18
66	Genomic and proteomic characterization of embryonic stem cells. Current Opinion in Chemical Biology, 2007, 11, 399-404.	2.8	17
67	A Genome-Wide Screen for Genetic Variants That Modify the Recruitment of REST to Its Target Genes. PLoS Genetics, 2012, 8, e1002624.	1.5	17
68	Directing Neuronal Differentiation of Primary Neural Progenitor Cells by Gene Knockdown Approach. DNA and Cell Biology, 2012, 31, 1148-1160.	0.9	17
69	Pleiotropic Functions for Transcription Factor Zscan10. PLoS ONE, 2014, 9, e104568.	1.1	16
70	A genomic biomarker that identifies human bone marrow-derived mesenchymal stem cells with high scalability. Stem Cells, 2020, 38, 1124-1136.	1.4	16
71	Phenotypic and molecular features underlying neurodegeneration of motor neurons derived from spinal and bulbar muscular atrophy patients. Neurobiology of Disease, 2019, 124, 1-13.	2.1	15
72	Single-cell transcriptomics identifies master regulators of neurodegeneration in SOD1 ALS iPSC-derived motor neurons. Stem Cell Reports, 2021, 16, 3020-3035.	2.3	14

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73	Detailed characterization of the mouse embryonic stem cell transcriptome reveals novel genes and intergenic splicing associated with pluripotency. BMC Genomics, 2008, 9, 155.	1.2	13
74	RE1 silencing transcription factor/neuronâ€restrictive silencing factor regulates expansion of adult mouse subventricular zoneâ€derived neural stem/progenitor cells in vitro. Journal of Neuroscience Research, 2015, 93, 1203-1214.	1.3	13
75	NeuO: a Fluorescent Chemical Probe for Live Neuron Labeling. Angewandte Chemie, 2015, 127, 2472-2476.	1.6	12
76	Pluripotency Activity of Nanog Requires Biochemical Stabilization by Variant Histone Protein H2A.Z. Stem Cells, 2015, 33, 2126-2134.	1.4	10
77	Insulin-Like Growth Factor-Binding Protein-3 Induces Fetalization in Neonatal Rat Cardiomyocytes. DNA and Cell Biology, 2000, 19, 757-763.	0.9	9
78	Upregulation of Î²-catenin due to loss of miR-139 contributes to motor neuron death in amyotrophic lateral sclerosis. Stem Cell Reports, 2022, , .	2.3	9
79	A Role for RE-1-Silencing Transcription Factor in Embryonic Stem Cells Cardiac Lineage Specification. Stem Cells, 2016, 34, 860-872.	1.4	7
80	Generation of sibling-matched induced pluripotent stem cell lines from spinal and bulbar muscular atrophy patients. Stem Cell Research, 2017, 20, 30-33.	0.3	7
81	Radiation hybrid mapping of 70 rat genes from a data set of differentially expressed genes. Mammalian Genome, 2002, 13, 194-197.	1.0	6
82	Rearrangement and Activation of C-MYC Oncogene by Chromosome Translocation in B Cell Neoplasias. , 1984, , 91-116.		2
83	In Reply. Stem Cells, 2020, 38, E7-E8.	1.4	0