

Lawrence W Stanton

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

10,558
citations

44042

48
h-index

60583

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. <i>Nature Genetics</i> , 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. <i>Nature Genetics</i> , 1999, 21, 76-83. | 9.4 | 692 |
| 3 | Translocation, breakage and truncated transcripts of c-myc oncogene in murine plasmacytomas. <i>Nature</i> , 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. <i>EMBO Journal</i> , 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. <i>Lancet, The</i> , 2003, 361, 1779-1785. | 6.3 | 423 |
| 6 | The Long Noncoding RNA RMST Interacts with SOX2 to Regulate Neurogenesis. <i>Molecular Cell</i> , 2013, 51, 349-359. | 4.5 | 378 |
| 7 | Genome-wide computational identification and manual annotation of human long noncoding RNA genes. <i>Rna</i> , 2010, 16, 1478-1487. | 1.6 | 354 |
| 8 | Altered Patterns of Gene Expression in Response to Myocardial Infarction. <i>Circulation Research</i> , 2000, 86, 939-945. | 2.0 | 353 |
| 9 | Nucleotide sequence of cloned cDNA of human c-myc oncogene. <i>Nature</i> , 1983, 303, 725-728. | 13.7 | 324 |
| 10 | Transcriptome characterization elucidates signaling networks that control human ES cell growth and differentiation. <i>Nature Biotechnology</i> , 2004, 22, 707-716. | 9.4 | 320 |
| 11 | Long noncoding RNAs in development and disease of the central nervous system. <i>Trends in Genetics</i> , 2013, 29, 461-468. | 2.9 | 319 |
| 12 | Inhibition of SARS Coronavirus Infection In Vitro with Clinically Approved Antiviral Drugs. <i>Emerging Infectious Diseases</i> , 2004, 10, 581-586. | 2.0 | 209 |
| 13 | REST Regulates Distinct Transcriptional Networks in Embryonic and Neural Stem Cells. <i>PLoS Biology</i> , 2008, 6, e256. | 2.6 | 172 |
| 14 | Establishing Criteria for Human Mesenchymal Stem Cell Potency. <i>Stem Cells</i> , 2015, 33, 1878-1891. | 1.4 | 163 |
| 15 | Nucleotide sequence comparison of normal and translocated murine c-myc genes. <i>Nature</i> , 1984, 310, 423-425. | 13.7 | 161 |
| 16 | Oct4 switches partnering from Sox2 to Sox17 to reinterpret the enhancer code and specify endoderm. <i>EMBO Journal</i> , 2013, 32, 938-953. | 3.5 | 161 |
| 17 | Laboratory-Acquired Severe Acute Respiratory Syndrome. <i>New England Journal of Medicine</i> , 2004, 350, 1740-1745. | 13.9 | 137 |
| 18 | Zic3 Is Required for Maintenance of Pluripotency in Embryonic Stem Cells. <i>Molecular Biology of the Cell</i> , 2007, 18, 1348-1358. | 0.9 | 121 |

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|----|--|------|-----------|
| 19 | On immunoglobulin heavy chain gene switching: two $\hat{I}^{\beta 2b}$ genes are rearranged via switch sequences in MPC-11 cells but only one is expressed. <i>Nucleic Acids Research</i> , 1982, 10, 611-630. | 6.5 | 119 |
| 20 | Nanofiber topography and sustained biochemical signaling enhance human mesenchymal stem cell neural commitment. <i>Acta Biomaterialia</i> , 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. <i>Stem Cell Reports</i> , 2017, 8, 856-869. | 2.3 | 108 |
| 22 | Host Gene Regulation During Coxsackievirus B3 Infection in Mice. <i>Circulation Research</i> , 2000, 87, 328-334. | 2.0 | 107 |
| 23 | Generation of Multipotential Mesendodermal Progenitors from Mouse Embryonic Stem Cells via Sustained Wnt Pathway Activation. <i>Journal of Biological Chemistry</i> , 2007, 282, 31703-31712. | 1.6 | 105 |
| 24 | Tracking the Evolution of the SARS Coronavirus Using High-Throughput, High-Density Resequencing Arrays. <i>Genome Research</i> , 2004, 14, 398-405. | 2.4 | 104 |
| 25 | Human accelerated region 1 noncoding RNA is repressed by REST in Huntington's disease. <i>Physiological Genomics</i> , 2010, 41, 269-274. | 1.0 | 97 |
| 26 | Activin and BMP4 Synergistically Promote Formation of Definitive Endoderm in Human Embryonic Stem Cells. <i>Stem Cells</i> , 2012, 30, 631-642. | 1.4 | 97 |
| 27 | Klf4 and Klf5 differentially inhibit mesoderm and endoderm differentiation in embryonic stem cells. <i>Nature Communications</i> , 2014, 5, 3719. | 5.8 | 94 |
| 28 | Conversion of Sox17 into a Pluripotency Reprogramming Factor by Reengineering Its Association with Oct4 on DNA. <i>Stem Cells</i> , 2011, 29, 940-951. | 1.4 | 92 |
| 29 | Regulation of neural macroRNAs by the transcriptional repressor REST. <i>Rna</i> , 2009, 15, 85-96. | 1.6 | 90 |
| 30 | Nanofibrous scaffold-mediated REST knockdown to enhance neuronal differentiation of stem cells. <i>Biomaterials</i> , 2013, 34, 3581-3590. | 5.7 | 90 |
| 31 | A model for the molecular requirements of immunoglobulin heavy chain class switching. <i>Nature</i> , 1982, 298, 87-89. | 13.7 | 85 |
| 32 | Molecular Features Underlying Neurodegeneration Identified through In Vitro Modeling of Genetically Diverse Parkinson's Disease Patients. <i>Cell Reports</i> , 2016, 15, 2411-2426. | 2.9 | 76 |
| 33 | Chromatin and RNA Maps Reveal Regulatory Long Noncoding RNAs in Mouse. <i>Molecular and Cellular Biology</i> , 2016, 36, 809-819. | 1.1 | 75 |
| 34 | NeuO: a Fluorescent Chemical Probe for Live Neuron Labeling. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2442-2446. | 7.2 | 73 |
| 35 | 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, 10214-10217. | 3.3 | 70 |
| 36 | The Transcription Factor Zfp281 Controls Embryonic Stem Cell Pluripotency by Direct Activation and Repression of Target Genes. <i>Stem Cells</i> , 2008, 26, 2791-2799. | 1.4 | 67 |

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|----|--|------|-----------|
| 37 | The Pluripotency Regulator Zic3 Is a Direct Activator of the <i>Nanog</i> Promoter in ESCs. <i>Stem Cells</i> , 2010, 28, 1961-1969. | 1.4 | 67 |
| 38 | Nucleotide sequence and properties of the murine $\hat{I}33$ immunoglobulin heavy chain gene switch region: implications for successive $C\hat{I}3$ gene switching. <i>Nucleic Acids Research</i> , 1982, 10, 5993-6006. | 6.5 | 65 |
| 39 | Zfp206, Oct4, and Sox2 Are Integrated Components of a Transcriptional Regulatory Network in Embryonic Stem Cells. <i>Journal of Biological Chemistry</i> , 2009, 284, 31327-31335. | 1.6 | 65 |
| 40 | Transcription Factor-Induced Lineage Selection of Stem-Cell-Derived Neural Progenitor Cells. <i>Cell Stem Cell</i> , 2011, 8, 663-675. | 5.2 | 65 |
| 41 | Dysregulation of REST-regulated coding and non-coding RNAs in a cellular model of Huntington's disease. <i>Journal of Neurochemistry</i> , 2013, 124, 418-430. | 2.1 | 64 |
| 42 | MiR-375 is Essential for Human Spinal Motor Neuron Development and May Be Involved in Motor Neuron Degeneration. <i>Stem Cells</i> , 2016, 34, 124-134. | 1.4 | 64 |
| 43 | Sox Transcription Factors Require Selective Interactions with Oct4 and Specific Transactivation Functions to Mediate Reprogramming. <i>Stem Cells</i> , 2013, 31, 2632-2646. | 1.4 | 60 |
| 44 | Oct4 and Sox2 Directly Regulate Expression of Another Pluripotency Transcription Factor, Zfp206, in Embryonic Stem Cells. <i>Journal of Biological Chemistry</i> , 2007, 282, 12822-12830. | 1.6 | 59 |
| 45 | Mutational dynamics of the SARS coronavirus in cell culture and human populations isolated in 2003. <i>BMC Infectious Diseases</i> , 2004, 4, 32. | 1.3 | 58 |
| 46 | MiR-135b is a direct PAX6 target and specifies human neuroectoderm by inhibiting TGF β 2/BMP signaling. <i>EMBO Journal</i> , 2014, 33, 1271-1283. | 3.5 | 53 |
| 47 | Is REST a regulator of pluripotency?. <i>Nature</i> , 2009, 457, E5-E6. | 13.7 | 51 |
| 48 | <i>Zfp206</i> Is a Transcription Factor That Controls Pluripotency of Embryonic Stem Cells. <i>Stem Cells</i> , 2007, 25, 2173-2182. | 1.4 | 50 |
| 49 | Coassembly of REST and its cofactors at sites of gene repression in embryonic stem cells. <i>Genome Research</i> , 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. <i>Stem Cell Reports</i> , 2015, 4, 578-590. | 2.3 | 44 |
| 51 | An epigenetic signature of developmental potential in neural stem cells and early neurons. <i>Stem Cells</i> , 2013, 31, 1868-1880. | 1.4 | 41 |
| 52 | Single-cell gene expression analysis reveals regulators of distinct cell subpopulations among developing human neurons. <i>Genome Research</i> , 2017, 27, 1783-1794. | 2.4 | 39 |
| 53 | SARS Transmission Pattern in Singapore Reassessed by Viral Sequence Variation Analysis. <i>PLoS Medicine</i> , 2005, 2, e43. | 3.9 | 37 |
| 54 | Evolution of the Vertebrate Gene Regulatory Network Controlled by the Transcriptional Repressor REST. <i>Molecular Biology and Evolution</i> , 2009, 26, 1491-1507. | 3.5 | 36 |

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|----|---|-----|-----------|
| 55 | The Neurogenic Potential of Astrocytes Is Regulated by Inflammatory Signals. <i>Molecular Neurobiology</i> , 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. <i>PLoS Genetics</i> , 2013, 9, e1003852. | 1.5 | 35 |
| 57 | Repressor Element 1 Silencing Transcription Factor Couples Loss of Pluripotency with Neural Induction and Neural Differentiation. <i>Stem Cells</i> , 2012, 30, 425-434. | 1.4 | 34 |
| 58 | Long non-coding RNAs in stem cell pluripotency. <i>Wiley Interdisciplinary Reviews RNA</i> , 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. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, e231-e244. | 1.8 | 28 |
| 60 | Transcription Factor-Induced Lineage Programming of Noradrenaline and Motor Neurons from Embryonic Stem Cells. <i>Stem Cells</i> , 2014, 32, 609-622. | 1.4 | 25 |
| 61 | Re-engineered RNA-Guided FokI-Nucleases for Improved Genome Editing in Human Cells. <i>Molecular Therapy</i> , 2017, 25, 342-355. | 3.7 | 25 |
| 62 | APP upregulation contributes to retinal ganglion cell degeneration via JNK3. <i>Cell Death and Differentiation</i> , 2018, 25, 663-678. | 5.0 | 24 |
| 63 | Structural analysis and dimerization profile of the SCAN domain of the pluripotency factor Zfp206. <i>Nucleic Acids Research</i> , 2012, 40, 8721-8732. | 6.5 | 21 |
| 64 | 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, 444-454. | 1.2 | 19 |
| 65 | Cyclin-Dependent Kinase-Dependent Phosphorylation of Sox2 at Serine 39 Regulates Neurogenesis. <i>Molecular and Cellular Biology</i> , 2017, 37, . | 1.1 | 18 |
| 66 | Genomic and proteomic characterization of embryonic stem cells. <i>Current Opinion in Chemical Biology</i> , 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. <i>PLoS Genetics</i> , 2012, 8, e1002624. | 1.5 | 17 |
| 68 | Directing Neuronal Differentiation of Primary Neural Progenitor Cells by Gene Knockdown Approach. <i>DNA and Cell Biology</i> , 2012, 31, 1148-1160. | 0.9 | 17 |
| 69 | Pleiotropic Functions for Transcription Factor Zscan10. <i>PLoS ONE</i> , 2014, 9, e104568. | 1.1 | 16 |
| 70 | A genomic biomarker that identifies human bone marrow-derived mesenchymal stem cells with high scalability. <i>Stem Cells</i> , 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. <i>Neurobiology of Disease</i> , 2019, 124, 1-13. | 2.1 | 15 |
| 72 | Single-cell transcriptomics identifies master regulators of neurodegeneration in SOD1 ALS iPSC-derived motor neurons. <i>Stem Cell Reports</i> , 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. <i>BMC Genomics</i> , 2008, 9, 155. | 1.2 | 13 |
| 74 | 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, 1203-1214. | 1.3 | 13 |
| 75 | NeuO: a Fluorescent Chemical Probe for Live Neuron Labeling. <i>Angewandte Chemie</i> , 2015, 127, 2472-2476. | 1.6 | 12 |
| 76 | Pluripotency Activity of Nanog Requires Biochemical Stabilization by Variant Histone Protein H2A.Z. <i>Stem Cells</i> , 2015, 33, 2126-2134. | 1.4 | 10 |
| 77 | Insulin-Like Growth Factor-Binding Protein-3 Induces Fetalization in Neonatal Rat Cardiomyocytes. <i>DNA and Cell Biology</i> , 2000, 19, 757-763. | 0.9 | 9 |
| 78 | Upregulation of β -catenin due to loss of miR-139 contributes to motor neuron death in amyotrophic lateral sclerosis. <i>Stem Cell Reports</i> , 2022, , . | 2.3 | 9 |
| 79 | A Role for RE-1-Silencing Transcription Factor in Embryonic Stem Cells Cardiac Lineage Specification. <i>Stem Cells</i> , 2016, 34, 860-872. | 1.4 | 7 |
| 80 | 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. | 0.3 | 7 |
| 81 | Radiation hybrid mapping of 70 rat genes from a data set of differentially expressed genes. <i>Mammalian Genome</i> , 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. <i>Stem Cells</i> , 2020, 38, E7-E8. | 1.4 | 0 |