

Sally Temple

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

9,461
citations

94433

37
h-index

118850

62
g-index

71
all docs

71
docs citations

71
times ranked

11445
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | 4D imaging analysis of the aging mouse neural stem cell niche reveals a dramatic loss of progenitor cell dynamism regulated by the RHO-ROCK pathway. Stem Cell Reports, 2022, 17, 245-258. | 4.8 | 5 |
| 2 | Solving neurodegeneration: common mechanisms and strategies for new treatments. Molecular Neurodegeneration, 2022, 17, 23. | 10.8 | 83 |
| 3 | 3D Image Analysis of the Complete Ventricular-Subventricular Zone Stem Cell Niche Reveals Significant Vasculature Changes and Progenitor Deficits in Males Versus Females with Aging. Stem Cell Reports, 2021, 16, 836-850. | 4.8 | 7 |
| 4 | High-content image-based analysis and proteomic profiling identifies Tau phosphorylation inhibitors in a human iPSC-derived glutamatergic neuronal model of tauopathy. Scientific Reports, 2021, 11, 17029. | 3.3 | 8 |
| 5 | STAU2 binds a complex RNA cargo that changes temporally with production of diverse intermediate progenitor cells during mouse corticogenesis. Development (Cambridge), 2021, 148, . | 2.5 | 4 |
| 6 | ELAVL4, splicing, and glutamatergic dysfunction precede neuron loss in MAPT mutation cerebral organoids. Cell, 2021, 184, 4547-4563.e17. | 28.9 | 73 |
| 7 | Cell Type-Specific In Vitro Gene Expression Profiling of Stem Cell-Derived Neural Models. Cells, 2020, 9, 1406. | 4.1 | 5 |
| 8 | Epigenomic and Transcriptomic Changes During Human RPE EMT in a Stem Cell Model of Epiretinal Membrane Pathogenesis and Prevention by Nicotinamide. Stem Cell Reports, 2020, 14, 631-647. | 4.8 | 43 |
| 9 | A Comprehensive Resource for Induced Pluripotent Stem Cells from Patients with Primary Tauopathies. Stem Cell Reports, 2019, 13, 939-955. | 4.8 | 62 |
| 10 | Identifying Windows of Susceptibility by Temporal Gene Analysis. Scientific Reports, 2019, 9, 2740. | 3.3 | 9 |
| 11 | Heterogeneous Expression of SDF1 Retains Actively Proliferating Neural Progenitors in the Capillary Compartment of the Niche. Stem Cell Reports, 2019, 12, 6-13. | 4.8 | 10 |
| 12 | Why we need fetal tissue research. Science, 2019, 363, 207-207. | 12.6 | 1 |
| 13 | Screening and optimization of potential injection vehicles for storage of retinal pigment epithelial stem cell before transplantation. Journal of Tissue Engineering and Regenerative Medicine, 2019, 13, 76-86. | 2.7 | 4 |
| 14 | Staufen2 deficiency leads to impaired response to novelty in mice. Neurobiology of Learning and Memory, 2018, 150, 107-115. | 1.9 | 16 |
| 15 | Regenerating Eye Tissues to Preserve and Restore Vision. Cell Stem Cell, 2018, 22, 834-849. | 11.1 | 131 |
| 16 | Nicotinamide Ameliorates Disease Phenotypes in a Human iPSC Model of Age-Related Macular Degeneration. Cell Stem Cell, 2017, 20, 635-647.e7. | 11.1 | 135 |
| 17 | Lessons Learned from Pioneering Neural Stem Cell Studies. Stem Cell Reports, 2017, 8, 191-193. | 4.8 | 24 |
| 18 | Stem cell therapies for retinal diseases: recapitulating development to replace degenerated cells. Development (Cambridge), 2017, 144, 1368-1381. | 2.5 | 40 |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | The Developmental Stage of Adult Human Stem Cell-Derived Retinal Pigment Epithelium Cells Influences Transplant Efficacy for Vision Rescue. <i>Stem Cell Reports</i> , 2017, 9, 42-49. | 4.8 | 53 |
| 20 | Polarized, Cobblestone, Human Retinal Pigment Epithelial Cell Maturation on a Synthetic PEG Matrix. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 890-902. | 5.2 | 11 |
| 21 | Appetite for Neurogenesis. <i>Developmental Cell</i> , 2017, 42, 207-209. | 7.0 | 3 |
| 22 | Non-monotonic Changes in Progenitor Cell Behavior and Gene Expression during Aging of the Adult V-SVZ Neural Stem Cell Niche. <i>Stem Cell Reports</i> , 2017, 9, 1931-1947. | 4.8 | 39 |
| 23 | Epimetrics: m6A Marks the Tempo of Corticogenesis. <i>Neuron</i> , 2017, 96, 718-720. | 8.1 | 21 |
| 24 | Human iPSC-Derived Neuronal Model of Tau-A152T Frontotemporal Dementia Reveals Tau-Mediated Mechanisms of Neuronal Vulnerability. <i>Stem Cell Reports</i> , 2016, 7, 325-340. | 4.8 | 92 |
| 25 | LEVER: software tools for segmentation, tracking and lineaging of proliferating cells. <i>Bioinformatics</i> , 2016, 32, 3530-3531. | 4.1 | 46 |
| 26 | In Pursuit of Authenticity: Induced Pluripotent Stem Cell-Derived Retinal Pigment Epithelium for Clinical Applications. <i>Stem Cells Translational Medicine</i> , 2016, 5, 1562-1574. | 3.3 | 83 |
| 27 | Automated Measurement of Cobblestone Morphology for Characterizing Stem Cell Derived Retinal Pigment Epithelial Cell Cultures. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2016, 32, 331-339. | 1.4 | 10 |
| 28 | Regenerative Medicine: Solution in Sight. <i>Advances in Experimental Medicine and Biology</i> , 2016, 854, 543-548. | 1.6 | 7 |
| 29 | Human Retinal Pigment Epithelium Stem Cell (RPESC). <i>Advances in Experimental Medicine and Biology</i> , 2016, 854, 557-562. | 1.6 | 25 |
| 30 | Attomole quantification and global profile of RNA modifications: Epitranscriptome of human neural stem cells. <i>Nucleic Acids Research</i> , 2016, 44, e26-e26. | 14.5 | 112 |
| 31 | Measuring Process Dynamics and Nuclear Migration for Clones of Neural Progenitor Cells. <i>Lecture Notes in Computer Science</i> , 2016, 9913, 291-305. | 1.3 | 3 |
| 32 | Human Adult Retinal Pigment Epithelial Stem Cell-Derived RPE Monolayers Exhibit Key Physiological Characteristics of Native Tissue. , 2015, 56, 7085. | | 65 |
| 33 | A Systematic Approach to Identify Candidate Transcription Factors that Control Cell Identity. <i>Stem Cell Reports</i> , 2015, 5, 763-775. | 4.8 | 148 |
| 34 | Computational Image Analysis Reveals Intrinsic Multigenerational Differences between Anterior and Posterior Cerebral Cortex Neural Progenitor Cells. <i>Stem Cell Reports</i> , 2015, 5, 609-620. | 4.8 | 27 |
| 35 | It Takes a Village: Constructing the Neurogenic Niche. <i>Developmental Cell</i> , 2015, 32, 435-446. | 7.0 | 180 |
| 36 | Small-molecule-directed, efficient generation of retinal pigment epithelium from human pluripotent stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10950-10955. | 7.1 | 114 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 37 | Visualization and correction of automated segmentation, tracking and lineaging from 5-D stem cell image sequences. BMC Bioinformatics, 2014, 15, 328. | 2.6 | 40 |
| 38 | A Multiplex High-Throughput Gene Expression Assay to Simultaneously Detect Disease and Functional Markers in Induced Pluripotent Stem Cell-Derived Retinal Pigment Epithelium. Stem Cells Translational Medicine, 2014, 3, 911-922. | 3.3 | 47 |
| 39 | CORTECON: A Temporal Transcriptome Analysis of In Vitro Human Cerebral Cortex Development from Human Embryonic Stem Cells. Neuron, 2014, 83, 51-68. | 8.1 | 172 |
| 40 | Human RPE Stem Cells Grown into Polarized RPE Monolayers on a Polyester Matrix Are Maintained after Grafting into Rabbit Subretinal Space. Stem Cell Reports, 2014, 2, 64-77. | 4.8 | 145 |
| 41 | Neural Stem Cells: Generating and Regenerating the Brain. Neuron, 2013, 80, 588-601. | 8.1 | 479 |
| 42 | Adult Human RPE Can Be Activated into a Multipotent Stem Cell that Produces Mesenchymal Derivatives. Cell Stem Cell, 2012, 10, 88-95. | 11.1 | 233 |
| 43 | VCAM1 Is Essential to Maintain the Structure of the SVZ Niche and Acts as an Environmental Sensor to Regulate SVZ Lineage Progression. Cell Stem Cell, 2012, 11, 220-230. | 11.1 | 175 |
| 44 | Asymmetric Segregation of the Double-Stranded RNA Binding Protein Staufen2 during Mammalian Neural Stem Cell Divisions Promotes Lineage Progression. Cell Stem Cell, 2012, 11, 505-516. | 11.1 | 90 |
| 45 | The Culture and Maintenance of Functional Retinal Pigment Epithelial Monolayers from Adult Human Eye. Methods in Molecular Biology, 2012, 945, 45-65. | 0.9 | 78 |
| 46 | Chronic oxidative stress upregulates Drusen-related protein expression in adult human RPE stem cell-derived RPE cells: A novel culture model for dry AMD. Aging, 2012, 5, 51-66. | 3.1 | 53 |
| 47 | Molecular Characterisation of Transport Mechanisms at the Developing Mouse Blood-CSF Interface: A Transcriptome Approach. PLoS ONE, 2012, 7, e33554. | 2.5 | 61 |
| 48 | Vertebrate neural stem cell segmentation, tracking and lineaging with validation and editing. Nature Protocols, 2011, 6, 1942-1952. | 12.0 | 58 |
| 49 | Spred1, a negative regulator of Ras-MAPK-ERK, is enriched in CNS germinal zones, dampens NSC proliferation, and maintains ventricular zone structure. Genes and Development, 2010, 24, 45-56. | 5.9 | 79 |
| 50 | Adult SVZ Lineage Cells Home to and Leave the Vascular Niche via Differential Responses to SDF1/CXCR4 Signaling. Cell Stem Cell, 2010, 7, 163-173. | 11.1 | 344 |
| 51 | Automatic Summarization of Changes in Biological Image Sequences Using Algorithmic Information Theory. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2009, 31, 1386-1403. | 13.9 | 38 |
| 52 | The Incredible Elastic Brain: How Neural Stem Cells Expand Our Minds. Neuron, 2008, 60, 420-429. | 8.1 | 59 |
| 53 | Adult SVZ Stem Cells Lie in a Vascular Niche: A Quantitative Analysis of Niche Cell-Cell Interactions. Cell Stem Cell, 2008, 3, 289-300. | 11.1 | 944 |
| 54 | Automatic summarization of changes in image sequences using algorithmic information theory. , 2008, , . | | 5 |

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 55 | Human Retinal Pigment Epithelium Cell Changes and Expression of β -Crystallin. JAMA Ophthalmology, 2007, 125, 641. | 2.4 | 76 |
| 56 | The timing of cortical neurogenesis is encoded within lineages of individual progenitor cells. Nature Neuroscience, 2006, 9, 743-751. | 14.8 | 540 |
| 57 | Automated Cell Lineage Construction: A Rapid Method to Analyze Clonal Development Established with Murine Neural Progenitor Cells. Cell Cycle, 2006, 5, 327-335. | 2.6 | 155 |
| 58 | Endothelial Cells Stimulate Self-Renewal and Expand Neurogenesis of Neural Stem Cells. Science, 2004, 304, 1338-1340. | 12.6 | 1,403 |
| 59 | Embryonic Stem Cell Self-Renewal, Analyzed. Cell, 2003, 115, 247-248. | 28.9 | 6 |
| 60 | Asymmetric Numb distribution is critical for asymmetric cell division of mouse cerebral cortical stem cells and neuroblasts. Development (Cambridge), 2002, 129, 4843-4853. | 2.5 | 310 |
| 61 | Stem cell plasticity – building the brain of our dreams. Nature Reviews Neuroscience, 2001, 2, 513-520. | 10.2 | 99 |
| 62 | The development of neural stem cells. Nature, 2001, 414, 112-117. | 27.8 | 1,389 |
| 63 | Stem cells in the developing and adult nervous system. Journal of Neurobiology, 1998, 36, 105-110. | 3.6 | 131 |
| 64 | Stem cells in the developing and adult nervous system. Journal of Neurobiology, 1998, 36, 105-110. | 3.6 | 2 |
| 65 | A self-renewing multipotential stem cell in embryonic rat cerebral cortex. Nature, 1994, 372, 263-266. | 27.8 | 548 |