

# Edwin S Monuki

## List of Publications by Year in descending order

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Version: 2024-02-01

73  
papers

5,897  
citations

126907

33  
h-index

106344

65  
g-index

79  
all docs

79  
docs citations

79  
times ranked

8358  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Genome sequencing analysis identifies new loci associated with Lewy body dementia and provides insights into its genetic architecture. <i>Nature Genetics</i> , 2021, 53, 294-303.   | 21.4 | 198       |
| 2  | Infection prevention strategies are highly protective in COVID-19 units while main risks to healthcare professionals come from coworkers and the community. <i>Antimicrobial Resistance and Infection Control</i> , 2021, 10, 163. | 4.1  | 6         |
| 3  | Morphogens, patterning centers, and their mechanisms of action. , 2020, , 3-21.  |      | 4         |
| 4  | Development and external validation of a prognostic tool for COVID-19 critical disease. <i>PLoS ONE</i> , 2020, 15, e0242953.  | 2.5  | 19        |
| 5  | Development and external validation of a prognostic tool for COVID-19 critical disease. , 2020, 15, e0242953.  |      | 0         |
| 6  | Development and external validation of a prognostic tool for COVID-19 critical disease. , 2020, 15, e0242953.  |      | 0         |
| 7  | Development and external validation of a prognostic tool for COVID-19 critical disease. , 2020, 15, e0242953.  |      | 0         |
| 8  | Development and external validation of a prognostic tool for COVID-19 critical disease. , 2020, 15, e0242953.  |      | 0         |
| 9  | IKK $\beta$ slows Huntingtin $\beta$ 's disease progression in R6/1 mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10952-10961.   | 7.1  | 23        |
| 10 | Nicotine Acts on Cholinergic Signaling Mechanisms to Directly Modulate Choroid Plexus Function. <i>ENeuro</i> , 2019, 6, ENEURO.0051-19.2019.  | 1.9  | 13        |
| 11 | Accurate, strong, and stable reporting of choroid plexus epithelial cells in transgenic mice using a human transthyretin BAC. <i>Fluids and Barriers of the CNS</i> , 2018, 15, 22.  | 5.0  | 9         |
| 12 | Cell Surface N-Glycans Influence Electrophysiological Properties and Fate Potential of Neural Stem Cells. <i>Stem Cell Reports</i> , 2018, 11, 869-882.  | 4.8  | 35        |
| 13 | HuCNS-SC Human NSCs Fail to Differentiate, Form Ectopic Clusters, and Provide No Cognitive Benefits in a Transgenic Model of Alzheimer's Disease. <i>Stem Cell Reports</i> , 2017, 8, 235-248.                                     | 4.8  | 50        |
| 14 | Increasing Human Neural Stem Cell Transplantation Dose Alters Oligodendroglial and Neuronal Differentiation after Spinal Cord Injury. <i>Stem Cell Reports</i> , 2017, 8, 1534-1548.   | 4.8  | 30        |
| 15 | Response to StemCells Inc.. <i>Stem Cell Reports</i> , 2017, 8, 195-197.   | 4.8  | 6         |
| 16 | Systems healthcare: a holistic paradigm for tomorrow. <i>BMC Systems Biology</i> , 2017, 11, 142.  | 3.0  | 22        |
| 17 | Cooperative interactions enable singular olfactory receptor expression in mouse olfactory neurons. <i>ELife</i> , 2017, 6, .   | 6.0  | 90        |
| 18 | BMP4 acts as a dorsal telencephalic morphogen in a mouse embryonic stem cell culture system. <i>Biology Open</i> , 2016, 5, 1834-1843.   | 1.2  | 9         |

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|----|---|------|-----------|
| 19 | Serous carcinomatous component championed by heparin-binding EGF-like growth factor (HB-EGF) predisposing to metastasis and recurrence in stage I uterine malignant mixed mullerian tumor. <i>Human Pathology</i> , 2016, 53, 159-167.                  | 2.0  | 1         |
| 20 | A novel, long-lived, and highly engraftable immunodeficient mouse model of mucopolysaccharidosis type I. <i>Molecular Therapy - Methods and Clinical Development</i> , 2015, 2, 14068.  | 4.1  | 14        |
| 21 | Impact of donor age and weaning status on pancreatic exocrine and endocrine tissue maturation in pigs. <i>Xenotransplantation</i> , 2015, 22, 356-367.  | 2.8  | 10        |
| 22 | Development and functions of the choroid plexusâ€“cerebrospinal fluid system. <i>Nature Reviews Neuroscience</i> , 2015, 16, 445-457.   | 10.2 | 418       |
| 23 | Principles and mechanisms of regeneration in the mouse model for woundâ€“induced hair follicle neogenesis. <i>Regeneration (Oxford, England)</i> , 2015, 2, 169-181.  | 6.3  | 57        |
| 24 | Spatially Heterogeneous Choroid Plexus Transcriptomes Encode Positional Identity and Contribute to Regional CSF Production. <i>Journal of Neuroscience</i> , 2015, 35, 4903-4916.   | 3.6  | 138       |
| 25 | Agenesis of the Corpus Callosum Due to Defective Glial Wedge Formation in <i>Lhx2</i> Mutant Mice. <i>Cerebral Cortex</i> , 2015, 25, 2707-2718.  | 2.9  | 21        |
| 26 | Semi-adaptive response and noise attenuation in bone morphogenetic protein signalling. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20150258.  | 3.4  | 3         |
| 27 | Proliferation of Cultured Mouse Choroid Plexus Epithelial Cells. <i>PLoS ONE</i> , 2015, 10, e0121738.  | 2.5  | 34        |
| 28 | A BMP-FGF Morphogen Toggle Switch Drives the Ultrasensitive Expression of Multiple Genes in the Developing Forebrain. <i>PLoS Computational Biology</i> , 2014, 10, e1003463.   | 3.2  | 29        |
| 29 | Effects of hematopoietic stem cell transplantation on acylâ€“CoA oxidase deficiency: a sibling comparison study. <i>Journal of Inherited Metabolic Disease</i> , 2014, 37, 791-799.   | 3.6  | 17        |
| 30 | The Choroid Plexus and Cerebrospinal Fluid: Emerging Roles in Development, Disease, and Therapy. <i>Journal of Neuroscience</i> , 2013, 33, 17553-17559.  | 3.6  | 151       |
| 31 | <i>Lhx2</i> regulates a cortex-specific mechanism for barrel formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E4913-21.   | 7.1  | 55        |
| 32 | <i>Lhx2</i> Balances Progenitor Maintenance with Neurogenic Output and Promotes Competence State Progression in the Developing Retina. <i>Journal of Neuroscience</i> , 2013, 33, 12197-12207.  | 3.6  | 67        |
| 33 | BMP4 Sufficiency to Induce Choroid Plexus Epithelial Fate from Embryonic Stem Cell-Derived Neuroepithelial Progenitors. <i>Journal of Neuroscience</i> , 2012, 32, 15934-15945.   | 3.6  | 69        |
| 34 | Injury-independent induction of reactive gliosis in retina by loss of function of the LIM homeodomain transcription factor <i>Lhx2</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 4657-4662. | 7.1  | 86        |
| 35 | <i>Bmp</i> Indicator Mice Reveal Dynamic Regulation of Transcriptional Response. <i>PLoS ONE</i> , 2012, 7, e42566.   | 2.5  | 29        |
| 36 | A <i>Bmp</i> Reporter with Ultrasensitive Characteristics Reveals That High <i>Bmp</i> Signaling Is Not Required for Cortical Hem Fate. <i>PLoS ONE</i> , 2012, 7, e44009.  | 2.5  | 13        |

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|----|---|------|-----------|
| 37 | SPECIES DIFFERENCES IN EARLY PATTERNING OF THE AVIAN BRAIN. Evolution; International Journal of Organic Evolution, 2011, 65, 907-911.   | 2.3  | 12        |
| 38 | Transcription factor Lhx2 is necessary and sufficient to suppress astroglialogenesis and promote neurogenesis in the developing hippocampus. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E265-74. | 7.1  | 94        |
| 39 | Lmx1a regulates fates and location of cells originating from the cerebellar rhombic lip and telencephalic cortical hem. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 10725-10730.                  | 7.1  | 132       |
| 40 | β-Catenin Signaling Levels in Progenitors Influence the Laminar Cell Fates of Projection Neurons. Journal of Neuroscience, 2009, 29, 13710-13719.   | 3.6  | 41        |
| 41 | Lhx2 links the intrinsic and extrinsic factors that control optic cup formation. Development (Cambridge), 2009, 136, 3895-3906.   | 2.5  | 92        |
| 42 | Dual frequency dielectrophoresis with interdigitated sidewall electrodes for microfluidic flow through separation of beads and cells. Electrophoresis, 2009, 30, 782-791.   | 2.4  | 132       |
| 43 | Unique Dielectric Properties Distinguish Stem Cells and Their Differentiated Progeny. Stem Cells, 2008, 26, 656-665.  | 3.2  | 185       |
| 44 | Imaging of Effector Memory T Cells during a Delayed-Type Hypersensitivity Reaction and Suppression by Kv1.3 Channel Block. Immunity, 2008, 29, 602-614.   | 14.3 | 197       |
| 45 | Lhx2 Selector Activity Specifies Cortical Identity and Suppresses Hippocampal Organizer Fate. Science, 2008, 319, 304-309.  | 12.6 | 288       |
| 46 | Border formation in a Bmp gradient reduced to single dissociated cells. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3398-3403.  | 7.1  | 25        |
| 47 | Rapid Genotyping of Mouse Tissue Using Sigma's Extract-N-Amp Tissue PCR Kit. Journal of Visualized Experiments, 2008, , .   | 0.3  | 4         |
| 48 | Flash Freezing and Cryosectioning E12.5 Mouse Brain. Journal of Visualized Experiments, 2007, , 198.  | 0.3  | 4         |
| 49 | Culture of Mouse Neural Stem Cell Precursors. Journal of Visualized Experiments, 2007, , 152.   | 0.3  | 27        |
| 50 | RNA Extraction from Neuroprecursor Cells Using the Bio-Rad Total RNA Kit. Journal of Visualized Experiments, 2007, , 405.   | 0.3  | 1         |
| 51 | The Morphogen Signaling Network in Forebrain Development and Holoprosencephaly. Journal of Neuropathology and Experimental Neurology, 2007, 66, 566-575.  | 1.7  | 60        |
| 52 | Co-factors of LIM domains (Clms/Ldb/Nli) regulate corneal homeostasis and maintenance of hair follicle stem cells. Developmental Biology, 2007, 312, 484-500.   | 2.0  | 25        |
| 53 | Dielectrophoresis switching with vertical sidewall electrodes for microfluidic flow cytometry. Lab on A Chip, 2007, 7, 1114.  | 6.0  | 258       |
| 54 | Mouse Dorsal Forebrain Explant Isolation. Journal of Visualized Experiments, 2007, , 135.   | 0.3  | 0         |

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|----|--|------|-----------|
| 55 | Growth Factor-Coated Bead Placement on Dorsal Forebrain Explants. <i>Journal of Visualized Experiments</i> , 2007, , 134.  | 0.3  | 1         |
| 56 | A hybrid microfluidic-vacuum device for direct interfacing with conventional cell culture methods. <i>BMC Biotechnology</i> , 2007, 7, 60.   | 3.3  | 49        |
| 57 | Design and Fabrication of Vertical Electrodes in Microchannels for Particles/cells Sorting by Dielectrophoresis. , 2006, , .   |      | 0         |
| 58 | Regulation of human neural precursor cells by laminin and integrins. <i>Journal of Neuroscience Research</i> , 2006, 83, 845-856.  | 2.9  | 240       |
| 59 | Central Roles of the Roof Plate in Telencephalic Development and Holoprosencephaly. <i>Journal of Neuroscience</i> , 2006, 26, 7640-7649.  | 3.6  | 96        |
| 60 | The roof plate regulates cerebellar cell-type specification and proliferation. <i>Development (Cambridge)</i> , 2006, 133, 2793-2804.  | 2.5  | 180       |
| 61 | Direct and indirect roles of CNS dorsal midline cells in choroid plexus epithelia formation. <i>Development (Cambridge)</i> , 2005, 132, 3549-3559.  | 2.5  | 109       |
| 62 | Human neural stem cell growth and differentiation in a gradient-generating microfluidic device. <i>Lab on A Chip</i> , 2005, 5, 401.   | 6.0  | 501       |
| 63 | Expression of Cux1 and Cux2 in the subventricular zone and upper layers II-IV of the cerebral cortex. <i>Journal of Comparative Neurology</i> , 2004, 479, 168-180.                                  | 1.6  | 461       |
| 64 | Development of a MEMS microsystem to study the effect of mechanical tension on cerebral cortex neurogenesis. , 2004, 2004, 2607-10.  |      | 7         |
| 65 | Genetic Ablation of the CDP/Cux Protein C Terminus Results in Hair Cycle Defects and Reduced Male Fertility. <i>Molecular and Cellular Biology</i> , 2002, 22, 1424-1437.                            | 2.3  | 98        |
| 66 | Patterning of the Dorsal Telencephalon and Cerebral Cortex by a Roof Plate-Lhx2 Pathway. <i>Neuron</i> , 2001, 32, 591-604.  | 8.1  | 268       |
| 67 | Mechanisms of cerebral cortical patterning in mice and humans. <i>Nature Neuroscience</i> , 2001, 4, 1199-1206.  | 14.8 | 130       |
| 68 | Proto-mapping the areas of cerebral cortex: transcription factors make the grade. <i>Nature Neuroscience</i> , 2000, 3, 640-641.   | 14.8 | 6         |
| 69 | Repression of the myelin P0 gene by the POU transcription factor SCIP. <i>Mechanisms of Development</i> , 1993, 42, 15-32.   | 1.7  | 92        |
| 70 | Cell-specific action and mutable structure of a transcription factor effector domain.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 9978-9982. | 7.1  | 32        |
| 71 | Expression and Activity of the Transcription Factor SCIP during Glial Differentiation and Myelination. <i>Annals of the New York Academy of Sciences</i> , 1991, 633, 189-195.                       | 3.8  | 8         |
| 72 | Transcriptional Controls Underlying Schwann Cell Differentiation and Myelination. <i>Annals of the New York Academy of Sciences</i> , 1990, 605, 248-253.  | 3.8  | 3         |

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|----|--|-----|-----------|
| 73 | SCIP: A glial POU domain gene regulated by cyclic AMP. <i>Neuron</i> , 1989, 3, 783-793. | 8.1 | 305       |