

Edwin S Monuki

List of Publications by Year in descending order

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73
papers

5,897
citations

126708

33
h-index

106150

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.	9.4	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.	1.5	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.	1.1	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 β slows Huntingtin β '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.	3.3	23
10	Nicotine Acts on Cholinergic Signaling Mechanisms to Directly Modulate Choroid Plexus Function. <i>ENeuro</i> , 2019, 6, ENEURO.0051-19.2019.	0.9	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.	2.4	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.	2.3	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.	2.3	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.	2.3	30
15	Response to StemCells Inc.. <i>Stem Cell Reports</i> , 2017, 8, 195-197.	2.3	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, .	2.8	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.	0.6	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.	1.1	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.	1.8	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.	1.6	10
22	Development and functions of the choroid plexusâ€“cerebrospinal fluid system. <i>Nature Reviews Neuroscience</i> , 2015, 16, 445-457.	4.9	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.	1.7	138
25	Agenesis of the Corpus Callosum Due to Defective Glial Wedge Formation in Lhx2 Mutant Mice. <i>Cerebral Cortex</i> , 2015, 25, 2707-2718.	1.6	21
26	Semi-adaptive response and noise attenuation in bone morphogenetic protein signalling. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20150258.	1.5	3
27	Proliferation of Cultured Mouse Choroid Plexus Epithelial Cells. <i>PLoS ONE</i> , 2015, 10, e0121738.	1.1	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.	1.5	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.	1.7	17
30	The Choroid Plexus and Cerebrospinal Fluid: Emerging Roles in Development, Disease, and Therapy. <i>Journal of Neuroscience</i> , 2013, 33, 17553-17559.	1.7	151
31	Lhx2 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.	3.3	55
32	Lhx2 Balances Progenitor Maintenance with Neurogenic Output and Promotes Competence State Progression in the Developing Retina. <i>Journal of Neuroscience</i> , 2013, 33, 12197-12207.	1.7	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.	1.7	69
34	Injury-independent induction of reactive gliosis in retina by loss of function of the LIM homeodomain transcription factor Lhx2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 4657-4662.	3.3	86
35	Bmp Indicator Mice Reveal Dynamic Regulation of Transcriptional Response. <i>PLoS ONE</i> , 2012, 7, e42566.	1.1	29
36	A Bmp Reporter with Ultrasensitive Characteristics Reveals That High Bmp Signaling Is Not Required for Cortical Hem Fate. <i>PLoS ONE</i> , 2012, 7, e44009.	1.1	13

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37	SPECIES DIFFERENCES IN EARLY PATTERNING OF THE AVIAN BRAIN. <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 907-911.	1.1	12
38	Transcription factor Lhx2 is necessary and sufficient to suppress astroglialogenesis and promote neurogenesis in the developing hippocampus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, E265-74.	3.3	94
39	Lmx1a regulates fates and location of cells originating from the cerebellar rhombic lip and telencephalic cortical hem. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 10725-10730.	3.3	132
40	β-Catenin Signaling Levels in Progenitors Influence the Laminar Cell Fates of Projection Neurons. <i>Journal of Neuroscience</i> , 2009, 29, 13710-13719.	1.7	41
41	Lhx2 links the intrinsic and extrinsic factors that control optic cup formation. <i>Development (Cambridge)</i> , 2009, 136, 3895-3906.	1.2	92
42	Dual frequency dielectrophoresis with interdigitated sidewall electrodes for microfluidic flow through separation of beads and cells. <i>Electrophoresis</i> , 2009, 30, 782-791.	1.3	132
43	Unique Dielectric Properties Distinguish Stem Cells and Their Differentiated Progeny. <i>Stem Cells</i> , 2008, 26, 656-665.	1.4	185
44	Imaging of Effector Memory T Cells during a Delayed-Type Hypersensitivity Reaction and Suppression by Kv1.3 Channel Block. <i>Immunity</i> , 2008, 29, 602-614.	6.6	197
45	Lhx2 Selector Activity Specifies Cortical Identity and Suppresses Hippocampal Organizer Fate. <i>Science</i> , 2008, 319, 304-309.	6.0	288
46	Border formation in a Bmp gradient reduced to single dissociated cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 3398-3403.	3.3	25
47	Rapid Genotyping of Mouse Tissue Using Sigma's Extract-N-Amp Tissue PCR Kit. <i>Journal of Visualized Experiments</i> , 2008, , .	0.2	4
48	Flash Freezing and Cryosectioning E12.5 Mouse Brain. <i>Journal of Visualized Experiments</i> , 2007, , 198.	0.2	4
49	Culture of Mouse Neural Stem Cell Precursors. <i>Journal of Visualized Experiments</i> , 2007, , 152.	0.2	27
50	RNA Extraction from Neoprecursor Cells Using the Bio-Rad Total RNA Kit. <i>Journal of Visualized Experiments</i> , 2007, , 405.	0.2	1
51	The Morphogen Signaling Network in Forebrain Development and Holoprosencephaly. <i>Journal of Neuropathology and Experimental Neurology</i> , 2007, 66, 566-575.	0.9	60
52	Co-factors of LIM domains (Clms/Ldb/Nli) regulate corneal homeostasis and maintenance of hair follicle stem cells. <i>Developmental Biology</i> , 2007, 312, 484-500.	0.9	25
53	Dielectrophoresis switching with vertical sidewall electrodes for microfluidic flow cytometry. <i>Lab on A Chip</i> , 2007, 7, 1114.	3.1	258
54	Mouse Dorsal Forebrain Explant Isolation. <i>Journal of Visualized Experiments</i> , 2007, , 135.	0.2	0

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55	Growth Factor-Coated Bead Placement on Dorsal Forebrain Explants. <i>Journal of Visualized Experiments</i> , 2007, , 134.	0.2	1
56	A hybrid microfluidic-vacuum device for direct interfacing with conventional cell culture methods. <i>BMC Biotechnology</i> , 2007, 7, 60.	1.7	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.	1.3	240
59	Central Roles of the Roof Plate in Telencephalic Development and Holoprosencephaly. <i>Journal of Neuroscience</i> , 2006, 26, 7640-7649.	1.7	96
60	The roof plate regulates cerebellar cell-type specification and proliferation. <i>Development (Cambridge)</i> , 2006, 133, 2793-2804.	1.2	180
61	Direct and indirect roles of CNS dorsal midline cells in choroid plexus epithelia formation. <i>Development (Cambridge)</i> , 2005, 132, 3549-3559.	1.2	109
62	Human neural stem cell growth and differentiation in a gradient-generating microfluidic device. <i>Lab on A Chip</i> , 2005, 5, 401.	3.1	501
63	Expression of Cux-1 and Cux-2 in the subventricular zone and upper layers II-IV of the cerebral cortex. <i>Journal of Comparative Neurology</i> , 2004, 479, 168-180.	0.9	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.	1.1	98
66	Patterning of the Dorsal Telencephalon and Cerebral Cortex by a Roof Plate-Lhx2 Pathway. <i>Neuron</i> , 2001, 32, 591-604.	3.8	268
67	Mechanisms of cerebral cortical patterning in mice and humans. <i>Nature Neuroscience</i> , 2001, 4, 1199-1206.	7.1	130
68	Proto-mapping the areas of cerebral cortex: transcription factors make the grade. <i>Nature Neuroscience</i> , 2000, 3, 640-641.	7.1	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.	3.3	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.	1.8	8
72	Transcriptional Controls Underlying Schwann Cell Differentiation and Myelination. <i>Annals of the New York Academy of Sciences</i> , 1990, 605, 248-253.	1.8	3

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73	SCIP: A glial POU domain gene regulated by cyclic AMP. <i>Neuron</i> , 1989, 3, 783-793.	3.8	305