Nozomu Takata

List of Publications by Year in descending order

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Version: 2024-02-01

25 papers	4,088 citations	687363 13 h-index	580821 25 g-index
29 all docs	29 docs citations	29 times ranked	4196 citing authors

#	Article	IF	Citations
1	A novel mouse model of diffuse midline glioma initiated in neonatal oligodendrocyte progenitor cells highlights cellâ€ofâ€origin dependent effects of <scp>H3K27M</scp>. Glia, 2022, 70, 1681-1698.	4.9	15
2	Therapeutic targeting of transcriptional elongation in diffuse intrinsic pontine glioma. Neuro-Oncology, 2021, 23, 1348-1359.	1.2	12
3	Fifteen-year trends and differences in mortality rates across sex, age, and race/ethnicity in patients with brainstem tumors. Neuro-Oncology Advances, 2021, 3, vdab137.	0.7	2
4	Optic vesicle morphogenesis requires primary cilia. Developmental Biology, 2020, 462, 119-128.	2.0	7
5	Stem cells and genome editing: approaches to tissue regeneration and regenerative medicine. Journal of Human Genetics, 2018, 63, 165-178.	2.3	18
6	Strain-triggered mechanical feedback in self-organizing optic-cup morphogenesis. Science Advances, 2018, 4, eaau1354.	10.3	69
7	An Eye Organoid Approach Identifies Six3 Suppression of R-spondin 2 as a Critical Step in Mouse Neuroretina Differentiation. Cell Reports, 2017, 21, 1534-1549.	6.4	28
8	Self-patterning of rostral-caudal neuroectoderm requires dual role of Fgf signaling for localized Wnt antagonism. Nature Communications, 2017, 8, 1339.	12.8	36
9	Genetic Tools for Self-Organizing Culture of Mouse Embryonic Stem Cells via Small Regulatory RNA-Mediated Technologies, CRISPR/Cas9, and Inducible RNAi. Methods in Molecular Biology, 2017, 1622, 269-292.	0.9	1
10	Functional anterior pituitary generated in self-organizing culture of human embryonic stem cells. Nature Communications, 2016, 7, 10351.	12.8	153
11	Specification of embryonic stem cell-derived tissues into eye fields by Wnt signaling using rostral diencephalic tissue-inducing culture. Mechanisms of Development, 2016, 141, 90-99.	1.7	8
12	Activation of Wnt/ÃŸ-catenin signaling in ESC promotes rostral forebrain differentiation in vitro. In Vitro Cellular and Developmental Biology - Animal, 2016, 52, 374-382.	1.5	9
13	Emergence of dorsal-ventral polarity in ES cell-derived retinal tissue. Development (Cambridge), 2016, 143, 3895-3906.	2.5	55
14	Data describing Rax positive optic-vesicle generation from mouse embryonic stem cells in vitro. Data in Brief, 2016, 8, 465-469.	1.0	1
15	IGF-2/IGF-1R signaling has distinct effects on Sox1, Irx3, and Six3 expressions during ES cell derived-neuroectoderm development in vitro. In Vitro Cellular and Developmental Biology - Animal, 2016, 52, 607-615.	1.5	4
16	Establishment of Functional Genomics Pipeline in Mouse Epiblast-Like Tissue by Combining Transcriptomic Analysis and Gene Knockdown/Knockin/Knockout, Using RNA Interference and CRISPR/Cas9. Human Gene Therapy, 2016, 27, 436-450.	2.7	11
17	Comparative, transcriptome analysis of self-organizing optic tissues. Scientific Data, 2015, 2, 150030.	5.3	11
18	Circulation-Independent Differentiation Pathway from Extraembryonic Mesoderm toward Hematopoietic Stem Cells via Hemogenic Angioblasts. Cell Reports, 2014, 8, 31-39.	6.4	46

#	Article	IF	Citations
19	Self-Formation of Optic Cups and Storable Stratified Neural Retina from Human ESCs. Cell Stem Cell, 2012, 10, 771-785.	11.1	1,243
20	Robust Formation and Maintenance of Continuous Stratified Cortical Neuroepithelium by Laminin-Containing Matrix in Mouse ES Cell Culture. PLoS ONE, 2012, 7, e53024.	2.5	82
21	MIGâ€13 controls anteroposterior cell migration by interacting with UNCâ€71/ADMâ€1 and SRCâ€1 in Caenorhabditis elegans. FEBS Letters, 2012, 586, 740-746.	2.8	8
22	Self-organizing optic-cup morphogenesis in three-dimensional culture. Nature, 2011, 472, 51-56.	27.8	1,771
23	Self-formation of functional adenohypophysis in three-dimensional culture. Nature, 2011, 480, 57-62.	27.8	441
24	Nonâ€receptor tyrosine kinase CSKâ€1 controls pharyngeal muscle organization in Caenorhabditis elegans. Genes To Cells, 2009, 14, 381-393.	1.2	14
25	SRC-1, a non-receptor type of protein tyrosine kinase, controls the direction of cell and growth cone migration in C. elegans. Development (Cambridge), 2005, 132, 5161-5172.	2.5	33