

# Seiji Hitoshi

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

2,829  
citations

361413

20  
h-index

345221

36  
g-index

40  
all docs

40  
docs citations

40  
times ranked

3646  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Neural Fate Specification from Embryonic Stem Cells. <i>Neuron</i> , 2001, 30, 65-78.	8.1	683
2	Notch pathway molecules are essential for the maintenance, but not the generation, of mammalian neural stem cells. <i>Genes and Development</i> , 2002, 16, 846-858.	5.9	585
3	Experimental sensory neuropathy induced by sensitization with ganglioside GD1b. <i>Annals of Neurology</i> , 1996, 39, 424-431.	5.3	182
4	Primitive neural stem cells from the mammalian epiblast differentiate to definitive neural stem cells under the control of Notch signaling. <i>Genes and Development</i> , 2004, 18, 1806-1811.	5.9	164
5	Antidepressant drugs reverse the loss of adult neural stem cells following chronic stress. <i>Journal of Neuroscience Research</i> , 2007, 85, 3574-3585.	2.9	113
6	Heparan Sulfate Regulates Self-renewal and Pluripotency of Embryonic Stem Cells. <i>Journal of Biological Chemistry</i> , 2008, 283, 3594-3606.	3.4	99
7	Notch Signaling Is Required to Maintain All Neural Stem Cell Populations “ Irrespective of Spatial or Temporal Niche. <i>Developmental Neuroscience</i> , 2006, 28, 34-48.	2.0	97
8	Vascular Endothelial Growth Factor Directly Inhibits Primitive Neural Stem Cell Survival But Promotes Definitive Neural Stem Cell Survival. <i>Journal of Neuroscience</i> , 2006, 26, 6803-6812.	3.6	95
9	Anti-gal-C antibody in autoimmune neuropathies subsequent to mycoplasma infection. <i>Muscle and Nerve</i> , 1995, 18, 409-413.	2.2	89
10	Neuron-Specific Gene Transfer Through Retrograde Transport of Lentiviral Vector Pseudotyped with a Novel Type of Fusion Envelope Glycoprotein. <i>Human Gene Therapy</i> , 2011, 22, 1511-1523.	2.7	66
11	Mammalian Gcm genes induce Hes5 expression by active DNA demethylation and induce neural stem cells. <i>Nature Neuroscience</i> , 2011, 14, 957-964.	14.8	62
12	Mechanisms for Interferon- $\beta$ -Induced Depression and Neural Stem Cell Dysfunction. <i>Stem Cell Reports</i> , 2014, 3, 73-84.	4.8	61
13	Monospecific anti-GD1b IgG is required to induce rabbit ataxic neuropathy. <i>Annals of Neurology</i> , 1999, 45, 400-403.	5.3	60
14	Binding of antibodies against GM1 and GD1b in human peripheral nerve. , 1997, 20, 840-845.		51
15	Neural stem cell lineages are regionally specified, but not committed, within distinct compartments of the developing brain. <i>Development (Cambridge)</i> , 2002, 129, 233-44.	2.5	46
16	Adult neurogenesis and its role in brain injury and psychiatric diseases. <i>Journal of Neurochemistry</i> , 2018, 147, 584-594.	3.9	42
17	Neural stem cells and neuro/gliogenesis in the central nervous system: understanding the structural and functional plasticity of the developing, mature, and diseased brain. <i>Journal of Physiological Sciences</i> , 2016, 66, 197-206.	2.1	34
18	Induction of oligodendrocyte progenitors in dorsal forebrain by intraventricular microinjection of FGF-2. <i>Developmental Biology</i> , 2006, 297, 262-273.	2.0	32

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19	Mood Stabilizing Drugs Expand the Neural Stem Cell Pool in the Adult Brain Through Activation of Notch Signaling. <i>Stem Cells</i> , 2008, 26, 1758-1767.	3.2	31
20	Generation of transgenic cynomolgus monkeys that express green fluorescent protein throughout the whole body. <i>Scientific Reports</i> , 2016, 6, 24868.	3.3	31
21	Origin of oligodendrocytes in mammalian forebrains: a revised perspective. <i>Journal of Physiological Sciences</i> , 2017, 67, 63-70.	2.1	29
22	The Lewis X-related $\alpha$ 1,3-Fucosyltransferase, Fut10, Is Required for the Maintenance of Stem Cell Populations. <i>Journal of Biological Chemistry</i> , 2013, 288, 28859-28868.	3.4	20
23	The Dorsoventral Boundary of the Germinal Zone is a Specialized Niche for the Generation of Cortical Oligodendrocytes during a Restricted Temporal Window. <i>Cerebral Cortex</i> , 2016, 26, 2800-2810.	2.9	20
24	Precise CAG repeat contraction in a Huntington's Disease mouse model is enabled by gene editing with SpCas9-NG. <i>Communications Biology</i> , 2021, 4, 771.	4.4	20
25	Heterozygous Polg mutation causes motor dysfunction due to mt DNA deletions. <i>Annals of Clinical and Translational Neurology</i> , 2014, 1, 909-920.	3.7	18
26	Bre1a, a Histone H2B Ubiquitin Ligase, Regulates the Cell Cycle and Differentiation of Neural Precursor Cells. <i>Journal of Neuroscience</i> , 2014, 34, 3067-3078.	3.6	17
27	Adhesion Is Prerequisite, But Alone Insufficient, to Elicit Stem Cell Pluripotency. <i>Journal of Neuroscience</i> , 2007, 27, 5437-5447.	3.6	13
28	Olig2 lineage cells preferentially differentiate into oligodendrocytes but their processes degenerate at the chronic demyelinating stage of proteolipid protein overexpressing mouse. <i>Journal of Neuroscience Research</i> , 2013, 91, 178-186.	2.9	13
29	Expression of the $\beta$ -Galactoside $\alpha$ 1,2-Fucosyltransferase Gene Suppresses Axonal Outgrowth of Neuro2a Neuroblastoma Cells. <i>Journal of Neurochemistry</i> , 2002, 66, 1633-1640.	3.9	12
30	Comprehensive evaluation of ubiquitous promoters suitable for the generation of transgenic cynomolgus monkeys. <i>Biology of Reproduction</i> , 2019, 100, 1440-1452.	2.7	12
31	Early Maternal and Social Deprivation Expands Neural Stem Cell Population Size and Reduces Hippocampus/Amygdala-Dependent Fear Memory. <i>Frontiers in Neuroscience</i> , 2020, 14, 22.	2.8	11
32	Dorsal Root Ganglia-Specific Expression of the $\beta$ -Galactoside $\alpha$ 1,2-Fucosyltransferase Genes in Rabbits. <i>Journal of Neurochemistry</i> , 2002, 70, 2174-2178.	3.9	7
33	Minocycline Directly Enhances the Self-Renewal of Adult Neural Precursor Cells. <i>Neurochemical Research</i> , 2018, 43, 219-226.	3.3	3
34	Culturing Adult Neural Stem Cells: Application to the Study of Neurodegenerative and Neuropsychiatric Pathology. , 2011, , 189-207.		3
35	Fut9 Deficiency Causes Abnormal Neural Development in the Mouse Cerebral Cortex and Retina. <i>Neurochemical Research</i> , 2022, 47, 2793-2804.	3.3	3
36	Life-Long Neural Stem Cells Are Fate-Specified at an Early Developmental Stage. <i>Cerebral Cortex</i> , 2020, 30, 6415-6425.	2.9	2

#	ARTICLE	IF	CITATIONS
37	Pain Pathway&mdash;Learning from History&mdash;. Spinal Surgery, 2015, 29, 287-292.	0.0	0