Wenjun Xu

List of Publications by Year
in descending order

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57	3,879	218677	155660
papers	citations	26 h-index	55 g-index

59	59	59	4191
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Regulating Endogenous Neural Stem Cell Activation to Promote Spinal Cord Injury Repair. Cells, 2022, 11, 846.	4.1	26
2	Constraintâ€induced movement therapy promotes motor recovery after neonatal stroke in the absence of neural precursor activation. European Journal of Neuroscience, 2021, 53, 1334-1349.	2.6	2
3	Stem cell heterogeneity and regenerative competence: the enormous potential of rare cells. Neural Regeneration Research, 2021, 16, 285.	3.0	1
4	Transplantation of Human Cortically-Specified Neuroepithelial Progenitor Cells Leads to Improved Functional Outcomes in a Mouse Model of Stroke. Frontiers in Cellular Neuroscience, 2021, 15, 654290.	3.7	4
5	Metformin pretreatment rescues olfactory memory associated with subependymal zone neurogenesis in a juvenile model of cranial irradiation. Cell Reports Medicine, 2021, 2, 100231.	6.5	11
6	Metformin effects on brain development following cranial irradiation in a mouse model. Neuro-Oncology, 2021, 23, 1523-1536.	1.2	10
7	Nicheâ€dependent inhibition of neural stem cell proliferation and oligodendrogenesis is mediated by the presence of myelin basic protein. Stem Cells, 2021, 39, 776-786.	3.2	8
8	Editorial: Regulation of Cellular Reprogramming for Post-stroke Tissue Regeneration: Bridging a Gap Between Basic Research and Clinical Application. Frontiers in Cell and Developmental Biology, 2021, 9, 793900.	3.7	0
9	Transplantation of Directly Reprogrammed Human Neural Precursor Cells Following Stroke Promotes Synaptogenesis and Functional Recovery. Translational Stroke Research, 2020, 11, 93-107.	4.2	36
10	Cranial irradiation in juvenile mice leads to early and sustained defects in the stem and progenitor cell pools and late cognitive impairments. Brain Research, 2020, 1727, 146548.	2.2	3
11	Subacute metformin treatment reduces inflammation and improves functional outcome following neonatal hypoxia ischemia. Brain, Behavior, & Immunity - Health, 2020, 7, 100119.	2.5	6
12	The leading edge: Emerging neuroprotective and neuroregenerative cell-based therapies for spinal cord injury. Stem Cells Translational Medicine, 2020, 9, 1509-1530.	3.3	76
13	Assessment of cognitive and neural recovery in survivors of pediatric brain tumors in a pilot clinical trial using metformin. Nature Medicine, 2020, 26, 1285-1294.	30.7	65
14	Injectable hydrogel enables local and sustained co-delivery to the brain: Two clinically approved biomolecules, cyclosporine and erythropoietin, accelerate functional recovery in rat model of stroke. Biomaterials, 2020, 235, 119794.	11.4	44
15	Substrate-Dependent Galvanotaxis of Directly Reprogrammed Human Neural Precursor Cells. Bioelectricity, 2020, 2, 229-237.	1.1	3
16	Electric Field ApplicationIn VivoRegulates Neural Precursor Cell Behavior in the Adult Mammalian Forebrain. ENeuro, 2020, 7, ENEURO.0273-20.2020.	1.9	13
17	A 3D Printed Device for Low Cost Neural Stimulation in Mice. Frontiers in Neuroscience, 2019, 13, 784.	2.8	11
18	Age- and sex-dependent effects of metformin on neural precursor cells and cognitive recovery in a model of neonatal stroke. Science Advances, 2019, 5, eaax1912.	10.3	51

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19	Examining the fundamental biology of a novel population of directly reprogrammed human neural precursor cells. Stem Cell Research and Therapy, 2019, 10, 166.	5.5	24
20	Lineage tracing reveals the hierarchical relationship between neural stem cell populations in the mouse forebrain. Scientific Reports, 2019, 9, 17730.	3.3	9
21	Dual embryonic origin of the mammalian enteric nervous system. Developmental Biology, 2019, 445, 256-270.	2.0	23
22	Initial cell maturity changes following transplantation in a hyaluronan-based hydrogel and impacts therapeutic success in the stroke-injured rodent brain. Biomaterials, 2019, 192, 309-322.	11.4	36
23	Local Delivery of Brain-Derived Neurotrophic Factor Enables Behavioral Recovery and Tissue Repair in Stroke-Injured Rats. Tissue Engineering - Part A, 2019, 25, 1175-1187.	3.1	40
24	Charge-Balanced Electrical Stimulation Can Modulate Neural Precursor Cell Migration in the Presence of Endogenous Electric Fields in Mouse Brains. ENeuro, 2019, 6, ENEURO.0382-19.2019.	1.9	18
25	In Vitro Maturation of Human iPSC-Derived Neuroepithelial Cells Influences Transplant Survival in the Stroke-Injured Rat Brain. Tissue Engineering - Part A, 2018, 24, 351-360.	3.1	32
26	Home sweet home: the neural stem cell niche throughout development and after injury. Cell and Tissue Research, 2018, 371, 125-141.	2.9	55
27	A Neurosphere Assay to Evaluate Endogenous Neural Stem Cell Activation in a Mouse Model of Minimal Spinal Cord Injury. Journal of Visualized Experiments, 2018, , .	0.3	5
28	Skin-derived precursor cells undergo substrate-dependent galvanotaxis that can be modified by neighbouring cells. Stem Cell Research, 2018, 31, 95-101.	0.7	5
29	Cyclosporin A-Mediated Activation of Endogenous Neural Precursor Cells Promotes Cognitive Recovery in a Mouse Model of Stroke. Frontiers in Aging Neuroscience, 2018, 10, 93.	3.4	17
30	Neural stem cell heterogeneity in the mammalian forebrain. Progress in Neurobiology, 2018, 170, 2-36.	5.7	15
31	Building a central nervous system: The neural stem cell lineage revealed. Neurogenesis (Austin, Tex), 2017, 4, e1300037.	1.5	22
32	Quiescent Oct4+ Neural Stem Cells (NSCs) Repopulate Ablated Glial Fibrillary Acidic Protein+ NSCs in the Adult Mouse Brain. Stem Cells, 2017, 35, 2071-2082.	3.2	21
33	Myelin Basic Protein Regulates Primitive and Definitive Neural Stem Cell Proliferation from the Adult Spinal Cord. Stem Cells, 2017, 35, 485-496.	3.2	18
34	Environmental Factors That Influence Stem Cell Migration: An â€œElectric Fieldâ€• Stem Cells International, 2017, 2017, 1-9.	2.5	31
35	Response to: Where do you come from and what are you going to become, reactive astrocyte?. Stem Cell Investigation, 2016, 3, 32-32.	3.0	0
36	Cyclosporin A enhances neurogenesis in the dentate gyrus of the hippocampus. Stem Cell Research, 2016, 16, 79-87.	0.7	17

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37	Enriched rehabilitation promotes motor recovery in rats exposed to neonatal hypoxia-ischemia. Behavioural Brain Research, 2016, 304, 42-50.	2.2	21
38	Stem cells in the adult CNS revealed: examining their regulation by myelin basic protein. Neural Regeneration Research, 2016, 11, 1916.	3.0	3
39	Biphasic monopolar electrical stimulation induces rapid and directed galvanotaxis in adult subependymal neural precursors. Stem Cell Research and Therapy, 2015, 6, 67.	5.5	31
40	Activating Endogenous Neural Precursor Cells Using Metformin Leads to Neural Repair and Functional Recovery in a Model of Childhood Brain Injury. Stem Cell Reports, 2015, 5, 166-173.	4.8	91
41	Circumventing the bloodâ€“brain barrier: Local delivery of cyclosporin A stimulates stem cells in stroke-injured rat brain. Journal of Controlled Release, 2015, 215, 1-11.	9.9	65
42	A Hyaluronan-Based Injectable Hydrogel Improves the Survival and Integration of Stem Cell Progeny following Transplantation. Stem Cell Reports, 2015, 4, 1031-1045.	4.8	189
43	Assessing cognitive function following medial prefrontal stroke in the rat. Behavioural Brain Research, 2015, 294, 102-110.	2.2	28
44	Adult Neural Stem Cells from the Subventricular Zone Give Rise to Reactive Astrocytes in the Cortex after Stroke. Cell Stem Cell, 2015, 17, 624-634.	11.1	235
45	Cyclosporin A enhances neural precursor cell survival in mice through a calcineurin-independent pathway. DMM Disease Models and Mechanisms, 2014, 7, 953-961.	2.4	33
46	Neural stem and progenitor cells in the aged subependyma are activated by the young niche. Neurobiology of Aging, 2014, 35, 1669-1679.	3.1	33
47	Primitive Neural Stem Cells in the Adult Mammalian Brain Give Rise to GFAP-Expressing Neural Stem Cells. Stem Cell Reports, 2014, 2, 810-824.	4.8	42
48	Bioengineered sequential growth factor delivery stimulates brain tissue regeneration after stroke. Journal of Controlled Release, 2013, 172, 1-11.	9.9	117
49	Transient Maternal IL-6 Mediates Long-Lasting Changes in Neural Stem Cell Pools by Deregulating an Endogenous Self-Renewal Pathway. Cell Stem Cell, 2013, 13, 564-576.	11.1	75
50	Bioengineering Strategies to Control Neural Stem/Progenitor Cell Differentiation. FASEB Journal, 2009, 23, .	0.5	0
51	Don't Look: Growing Clonal Versus Nonclonal Neural Stem Cell Colonies. Stem Cells, 2008, 26, 2938-2944.	3.2	139
52	Incorporation of protein-eluting microspheres into biodegradable nerve guidance channels for controlled release. Journal of Controlled Release, 2006, 110, 400-407.	9.9	79
53	Adult Neural Stem Cells: Attempting to Solve the Identity Crisis. Developmental Neuroscience, 2004, 26, 93-100.	2.0	19
54	The ablation of glial fibrillary acidic proteinâ€positive cells from the adult central nervous system results in the loss of forebrain neural stem cells but not retinal stem cells. European Journal of Neuroscience, 2003, 18, 76-84.	2.6	206

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55	Hematopoietic competence is a rare property of neural stem cells that may depend on genetic and epigenetic alterations. Nature Medicine, 2002, 8, 268-273.	30.7	381
56	Reply to â€œHematopoietic potential of neural stem cellsâ€: Nature Medicine, 2002, 8, 536-537.	30.7	4
57	Neural stem cells in the adult mammalian forebrain: A relatively quiescent subpopulation of subependymal cells. Neuron, 1994, 13, 1071-1082.	8.1	1,323