Zhiguo Chen

List of Publications by Year
in descending order

67 papers	2,228 citations	236925 25 h-index	233421 45 g-index
68 all docs	68 docs citations	68 times ranked	3524 citing authors

#	Article	IF	Citations
1	Downregulation of telomerase reverse transcriptase mRNA expression by wild type p53 in human tumor cells. Oncogene, 2000, 19, 5123-5133.	5.9	235
2	Enhancing glycolysis attenuates Parkinsonâ€™s disease progression in models and clinical databases. Journal of Clinical Investigation, 2019, 129, 4539-4549.	8.2	159
3	Direct reprogramming of Sertoli cells into multipotent neural stem cells by defined factors. Cell Research, 2012, 22, 208-218.	12.0	135
4	SIRT6 deficiency results in developmental retardation in cynomolgus monkeys. Nature, 2018, 560, 661-665.	27.8	128
5	PTEN deficiency reprogrammes human neural stem cells towards a glioblastoma stem cell-like phenotype. Nature Communications, 2015, 6, 10068.	12.8	122
6	Differential roles of TNFR1 and TNFR2 signaling in adult hippocampal neurogenesis. Brain, Behavior, and Immunity, 2013, 30, 45-53.	4.1	109
7	Effect of fecal microbiota transplantation on neurological restoration in a spinal cord injury mouse model: involvement of brain-gut axis. Microbiome, 2021, 9, 59.	11.1	97
8	Differentiation of human induced pluripotent stem cells to mature functional Purkinje neurons. Scientific Reports, 2015, 5, 9232.	3.3	82
9	Decreased Fractalkine and Increased IP-10 Expression in Aged Brain of APPswe Transgenic Mice. Neurochemical Research, 2008, 33, 1085-1089.	3.3	74
10	Cellular repair of CNS disorders: an immunological perspective. Human Molecular Genetics, 2008, 17, R84-R92.	2.9	53
11	Spontaneous transformation of adult mesenchymal stem cells from cynomolgus macaques in vitro. Experimental Cell Research, 2011, 317, 2950-2957.	2.6	49
12	Autologous iPSC-derived dopamine neuron transplantation in a nonhuman primate Parkinsonâ€™s disease model. Cell Discovery, 2015, 1, 15012.	6.7	49
13	Melatonin Treatment Alleviates Spinal Cord Injury-Induced Gut Dysbiosis in Mice. Journal of Neurotrauma, 2019, 36, 2646-2664.	3.4	49
14	Increased microglial activation and astrogliosis after intranasal administration of kainic acid in C57BL/6 mice. Journal of Neurobiology, 2005, 62, 207-218.	3.6	47
15	Excitotoxic neurodegeneration induced by intranasal administration of kainic acid in C57BL/6 mice. Brain Research, 2002, 931, 135-145.	2.2	46
16	Neutralizing Antibodies to IL-18 Ameliorate Experimental Autoimmune Neuritis by Counter-Regulation of Autoreactive Th1 Responses to Peripheral Myelin Antigen. Journal of Neuropathology and Experimental Neurology, 2002, 61, 614-622.	1.7	39
17	Generation of dopaminergic neurons directly from mouse fibroblasts and fibroblast-derived neural progenitors. Cell Research, 2012, 22, 769-772.	12.0	38
18	Differentiation of Glial Cells From hiPSCs: Potential Applications in Neurological Diseases and Cell Replacement Therapy. Frontiers in Cellular Neuroscience, 2018, 12, 239.	3.7	38

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19	Treatment with Humanized Selective CD19CAR-T Cells Shows Efficacy in Highly Treated B-ALL Patients Who Have Relapsed after Receiving Murine-Based CD19CAR-T Therapies. Clinical Cancer Research, 2019, 25, 5595-5607.	7.0	38
20	Employing Endogenous NSCs to Promote Recovery of Spinal Cord Injury. Stem Cells International, 2019, 2019, 1-10.	2.5	35
21	MHC Mismatch Inhibits Neurogenesis and Neuron Maturation in Stem Cell Allografts. PLoS ONE, 2011, 6, e14787.	2.5	33
22	Autologous transplantation of GDNF-expressing mesenchymal stem cells protects against MPTP-induced damage in cynomolgus monkeys. Scientific Reports, 2013, 3, 2786.	3.3	33
23	Lmx1a enhances the effect of iNSCs in a PD model. Stem Cell Research, 2015, 14, 1-9.	0.7	32
24	Conversion of adult human peripheral blood mononuclear cells into induced neural stem cell by using episomal vectors. Stem Cell Research, 2016, 16, 236-242.	0.7	31
25	IL-18 deficiency aggravates kainic acid-induced hippocampal neurodegeneration in C57BL/6 mice due to an overcompensation by IL-12. Experimental Neurology, 2007, 205, 64-73.	4.1	27
26	Dopaminergic precursors differentiated from human blood-derived induced neural stem cells improve symptoms of a mouse Parkinson's disease model. Theranostics, 2018, 8, 4679-4694.	10.0	26
27	Mesenchymal Stem/Stromal Cell-Mediated Mitochondrial Transfer and the Therapeutic Potential in Treatment of Neurological Diseases. Stem Cells International, 2020, 2020, 1-16.	2.5	24
28	CD4 and CD8 T Cells, but Not B Cells, Are Critical to the Control of Murine Experimental Autoimmune Neuritis. Experimental Neurology, 2002, 177, 314-320.	4.1	23
29	Aggravation of experimental autoimmune neuritis in TNF-Î± receptor 1 deficient mice. Journal of Neuroimmunology, 2007, 186, 19-26.	2.3	22
30	Accelerated generation of oligodendrocyte progenitor cells from human induced pluripotent stem cells by forced expression of Sox10 and Olig2. Science China Life Sciences, 2016, 59, 1131-1138.	4.9	22
31	The Effect of Human Umbilical Cord Mesenchymal Stromal Cells in Protection of Dopaminergic Neurons from Apoptosis by Reducing Oxidative Stress in the Early Stage of a 6-OHDA-Induced Parkinsonâ€™s Disease Model. Cell Transplantation, 2019, 28, 87S-99S.	2.5	22
32	Proteostasis of Î±-Synuclein and Its Role in the Pathogenesis of Parkinsonâ€™s Disease. Frontiers in Cellular Neuroscience, 2020, 14, 45.	3.7	21
33	Fecal Microbiota Transplantation Exerts Neuroprotective Effects in a Mouse Spinal Cord Injury Model by Modulating the Microenvironment at the Lesion Site. Microbiology Spectrum, 2022, 10, e0017722.	3.0	20
34	CCR5 deficiency does not prevent P0 peptide 180â€“199 immunized mice from experimental autoimmune neuritis. Neurobiology of Disease, 2004, 16, 630-637.	4.4	19
35	The chemokine receptor CCR5 is not a necessary inflammatory mediator in kainic acid-induced hippocampal injury: evidence for a compensatory effect by increased CCR2 and CCR3. Journal of Neurochemistry, 2004, 86, 61-68.	3.9	17
36	Kainic acid-induced excitotoxic hippocampal neurodegeneration in C57BL/6 mice: B cell and T cell subsets may contribute differently to the pathogenesis. Brain, Behavior, and Immunity, 2004, 18, 175-185.	4.1	17

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37	Apolipoprotein E deficiency increased microglial activation/CCR3 expression and hippocampal damage in kainic acid exposed mice. Experimental Neurology, 2006, 202, 373-380.	4.1	17
38	IL-12p35 deficiency alleviates kainic acid-induced hippocampal neurodegeneration in C57BL/6 mice. Neurobiology of Disease, 2004, 17, 171-178.	4.4	16
39	Increased Susceptibility to Experimental Autoimmune Neuritis after Upregulation of the Autoreactive T Cell Response to Peripheral Myelin Antigen in Apolipoprotein E-Deficient Mice. Journal of Neuropathology and Experimental Neurology, 2004, 63, 120-128.	1.7	15
40	Increased cyclin E expression may obviate the role of cyclin D1 during brain development in cyclin D1 knockout mice. Journal of Neurochemistry, 2005, 92, 1281-1284.	3.9	15
41	TNFÎ±-induced Up-regulation of Ascl2 Affects the Differentiation and Proliferation of Neural Stem Cells. , 2019, 10, 1207.		15
42	Cell Therapy for Parkinsonâ€™s Disease: New Hope from Reprogramming Technologies. , 2015, 6, 499.		14
43	Comparison of intracerebral transplantation effects of different stem cells on rodent stroke models. Cell Biochemistry and Function, 2015, 33, 174-182.	2.9	13
44	Intravenous Transplantation of Mesenchymal Stem Cells Reduces the Number of Infiltrated Ly6C⁺ Cells but Enhances the Proportions Positive for BDNF, TNF-1Î±, and IL-1Î² in the Infarct Cortices of dMCAO Rats. Stem Cells International, 2018, 2018, 1-14.	2.5	13
45	Ectopic hTERT expression facilitates reprograming of fibroblasts derived from patients with Werner syndrome as a WS cellular model. Cell Death and Disease, 2018, 9, 923.	6.3	12
46	Spontaneous transformation of cynomolgus mesenchymal stem cells in vitro: Further confirmation by short tandem repeat analysis. Experimental Cell Research, 2012, 318, 435-440.	2.6	11
47	Reduced susceptibility to Kainic Acid-induced excitoxicity in T-cell deficient CD4/CD8(â^'/â^') and middle-aged C57BL/6 mice. Journal of Neuroimmunology, 2004, 146, 33-38.	2.3	8
48	Cell therapy for macular degenerationâ€"first phase I/II pluripotent stem cell-based clinical trial shows promise. Science China Life Sciences, 2015, 58, 119-120.	4.9	8
49	Characterizing the induction of diabetes in juvenile cynomolgus monkeys with different doses of streptozotocin. Science China Life Sciences, 2012, 55, 210-218.	4.9	7
50	Initiation and development of experimental autoimmune neuritis in Lewis rats is independent of the cytotoxic capacity of NKR-P1A+ cells. Journal of Neuroscience Research, 2002, 67, 823-828.	2.9	6
51	Motor neuron replacement therapy for amyotrophic lateral sclerosis. Neural Regeneration Research, 2022, 17, 1633.	3.0	6
52	Impact of hydrogel stiffness on the induced neural stem cells modulation. Annals of Translational Medicine, 2021, 9, 1784-1784.	1.7	6
53	MRI tracking of autologous pancreatic progenitor-derived insulin-producing cells in monkeys. Scientific Reports, 2017, 7, 2505.	3.3	4
54	Culture of pyramidal neural precursors, neural stem cells, and fibroblasts on various biomaterials. Journal of Biomaterials Science, Polymer Edition, 2018, 29, 2168-2186.	3.5	4

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55	Peripheral Circulation and Astrocytes Contribute to the MSC-Mediated Increase in IGF-1 Levels in the Infarct Cortex in a dMCAO Rat Model. Stem Cells International, 2020, 2020, 1-13.	2.5	4
56	Unusual electrophysiological findings in a Chinese ALS 4 family with SETX-L389S mutation: a three-year follow-up. Journal of Neurology, 2021, 268, 1050-1058.	3.6	4
57	Astrocytes constitute the major TNF-Î±-producing cell population in the infarct cortex in dMCAO rats receiving intravenous MSC infusion. Biomedicine and Pharmacotherapy, 2021, 142, 111971.	5.6	4
58	Aberrant trafficking of a Leu89Pro connexin32 mutant associated with X-linked dominant Charcotâ€“Marieâ€“Tooth disease. Neurological Research, 2016, 38, 897-902.	1.3	3
59	Generation of Induced Neural Stem Cells from Peripheral Mononuclear Cells and Differentiation Toward Dopaminergic Neuron Precursors for Transplantation Studies. Journal of Visualized Experiments, 2019, , .	0.3	3
60	Effect of monolayer cells on sphere cellsâ€”Two types of cells that emerge during the neural differentiation of mouse embryonic stem cells. Neuroscience Letters, 2011, 504, 285-289.	2.1	2
61	Case Report: Humanized Selective CD19CAR-T Treatment Induces MRD-Negative Remission in a Pediatric B-ALL Patient With Primary Resistance to Murine-Based CD19CAR-T Therapy. Frontiers in Immunology, 2020, 11, 581116.	4.8	2
62	Induced neural stem cells from Macaca fascicularis show potential of dopaminergic neuron specification and efficacy in a mouse Parkinson's disease model. Acta Histochemica, 2022, 124, 151927.	1.8	2
63	Introduction to the special topic â€œStem cells and regenerative medicineâ€: Science China Life Sciences, 2014, 57, 561-563.	4.9	1
64	Cell Therapy for Parkinsonâ€™s Disease. , 2018, , 659-672.		1
65	Mesenchymal Stem Cells for Stroke Therapy. , 2017, , 107-132.		1
66	Differentiation of Human Induced Pluripotent Stem Cells to Purkinje Neurons. , 2018, , 247-258.		0
67	A Glimpse of Stem Cell Research in China. Progress in Biochemistry and Biophysics, 2011, 38, 1011-1014.	0.3	0