

# Zhiguo Chen

## List of Publications by Year in descending order

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67  
papers

2,228  
citations

236612

25  
h-index

233125

45  
g-index

68  
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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. <i>Oncogene</i> , 2000, 19, 5123-5133.	2.6	235
2	Enhancing glycolysis attenuates Parkinson's disease progression in models and clinical databases. <i>Journal of Clinical Investigation</i> , 2019, 129, 4539-4549.	3.9	159
3	Direct reprogramming of Sertoli cells into multipotent neural stem cells by defined factors. <i>Cell Research</i> , 2012, 22, 208-218.	5.7	135
4	SIRT6 deficiency results in developmental retardation in cynomolgus monkeys. <i>Nature</i> , 2018, 560, 661-665.	13.7	128
5	PTEN deficiency reprogrammes human neural stem cells towards a glioblastoma stem cell-like phenotype. <i>Nature Communications</i> , 2015, 6, 10068.	5.8	122
6	Differential roles of TNFR1 and TNFR2 signaling in adult hippocampal neurogenesis. <i>Brain, Behavior, and Immunity</i> , 2013, 30, 45-53.	2.0	109
7	Effect of fecal microbiota transplantation on neurological restoration in a spinal cord injury mouse model: involvement of brain-gut axis. <i>Microbiome</i> , 2021, 9, 59.	4.9	97
8	Differentiation of human induced pluripotent stem cells to mature functional Purkinje neurons. <i>Scientific Reports</i> , 2015, 5, 9232.	1.6	82
9	Decreased Fractalkine and Increased IP-10 Expression in Aged Brain of APPswe Transgenic Mice. <i>Neurochemical Research</i> , 2008, 33, 1085-1089.	1.6	74
10	Cellular repair of CNS disorders: an immunological perspective. <i>Human Molecular Genetics</i> , 2008, 17, R84-R92.	1.4	53
11	Spontaneous transformation of adult mesenchymal stem cells from cynomolgus macaques in vitro. <i>Experimental Cell Research</i> , 2011, 317, 2950-2957.	1.2	49
12	Autologous iPSC-derived dopamine neuron transplantation in a nonhuman primate Parkinson's disease model. <i>Cell Discovery</i> , 2015, 1, 15012.	3.1	49
13	Melatonin Treatment Alleviates Spinal Cord Injury-Induced Gut Dysbiosis in Mice. <i>Journal of Neurotrauma</i> , 2019, 36, 2646-2664.	1.7	49
14	Increased microglial activation and astrogliosis after intranasal administration of kainic acid in C57BL/6 mice. <i>Journal of Neurobiology</i> , 2005, 62, 207-218.	3.7	47
15	Excitotoxic neurodegeneration induced by intranasal administration of kainic acid in C57BL/6 mice. <i>Brain Research</i> , 2002, 931, 135-145.	1.1	46
16	Neutralizing Antibodies to IL-18 Ameliorate Experimental Autoimmune Neuritis by Counter-Regulation of Autoreactive Th1 Responses to Peripheral Myelin Antigen. <i>Journal of Neuropathology and Experimental Neurology</i> , 2002, 61, 614-622.	0.9	39
17	Generation of dopaminergic neurons directly from mouse fibroblasts and fibroblast-derived neural progenitors. <i>Cell Research</i> , 2012, 22, 769-772.	5.7	38
18	Differentiation of Glial Cells From hiPSCs: Potential Applications in Neurological Diseases and Cell Replacement Therapy. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 239.	1.8	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. <i>Clinical Cancer Research</i> , 2019, 25, 5595-5607.	3.2	38
20	Employing Endogenous NSCs to Promote Recovery of Spinal Cord Injury. <i>Stem Cells International</i> , 2019, 2019, 1-10.	1.2	35
21	MHC Mismatch Inhibits Neurogenesis and Neuron Maturation in Stem Cell Allografts. <i>PLoS ONE</i> , 2011, 6, e14787.	1.1	33
22	Autologous transplantation of GDNF-expressing mesenchymal stem cells protects against MPTP-induced damage in cynomolgus monkeys. <i>Scientific Reports</i> , 2013, 3, 2786.	1.6	33
23	Lmx1a enhances the effect of iNSCs in a PD model. <i>Stem Cell Research</i> , 2015, 14, 1-9.	0.3	32
24	Conversion of adult human peripheral blood mononuclear cells into induced neural stem cell by using episomal vectors. <i>Stem Cell Research</i> , 2016, 16, 236-242.	0.3	31
25	IL-18 deficiency aggravates kainic acid-induced hippocampal neurodegeneration in C57BL/6 mice due to an overcompensation by IL-12. <i>Experimental Neurology</i> , 2007, 205, 64-73.	2.0	27
26	Dopaminergic precursors differentiated from human blood-derived induced neural stem cells improve symptoms of a mouse Parkinson's disease model. <i>Theranostics</i> , 2018, 8, 4679-4694.	4.6	26
27	Mesenchymal Stem/Stromal Cell-Mediated Mitochondrial Transfer and the Therapeutic Potential in Treatment of Neurological Diseases. <i>Stem Cells International</i> , 2020, 2020, 1-16.	1.2	24
28	CD4 and CD8 T Cells, but Not B Cells, Are Critical to the Control of Murine Experimental Autoimmune Neuritis. <i>Experimental Neurology</i> , 2002, 177, 314-320.	2.0	23
29	Aggravation of experimental autoimmune neuritis in TNF- $\alpha$ receptor 1 deficient mice. <i>Journal of Neuroimmunology</i> , 2007, 186, 19-26.	1.1	22
30	Accelerated generation of oligodendrocyte progenitor cells from human induced pluripotent stem cells by forced expression of Sox10 and Olig2. <i>Science China Life Sciences</i> , 2016, 59, 1131-1138.	2.3	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 Parkinson's Disease Model. <i>Cell Transplantation</i> , 2019, 28, 87S-99S.	1.2	22
32	Proteostasis of $\alpha$ -Synuclein and Its Role in the Pathogenesis of Parkinson's Disease. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 45.	1.8	21
33	Fecal Microbiota Transplantation Exerts Neuroprotective Effects in a Mouse Spinal Cord Injury Model by Modulating the Microenvironment at the Lesion Site. <i>Microbiology Spectrum</i> , 2022, 10, e0017722.	1.2	20
34	CCR5 deficiency does not prevent PO peptide 180-199 immunized mice from experimental autoimmune neuritis. <i>Neurobiology of Disease</i> , 2004, 16, 630-637.	2.1	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. <i>Journal of Neurochemistry</i> , 2004, 86, 61-68.	2.1	17
36	Kainic acid-induced excitotoxic hippocampal neurodegeneration in C57BL/6 mice: B cell and T cell subsets may contribute differently to the pathogenesis. <i>Brain, Behavior, and Immunity</i> , 2004, 18, 175-185.	2.0	17

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37	Apolipoprotein E deficiency increased microglial activation/CCR3 expression and hippocampal damage in kainic acid exposed mice. <i>Experimental Neurology</i> , 2006, 202, 373-380.	2.0	17
38	IL-12p35 deficiency alleviates kainic acid-induced hippocampal neurodegeneration in C57BL/6 mice. <i>Neurobiology of Disease</i> , 2004, 17, 171-178.	2.1	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. <i>Journal of Neuropathology and Experimental Neurology</i> , 2004, 63, 120-128.	0.9	15
40	Increased cyclin E expression may obviate the role of cyclin D1 during brain development in cyclin D1 knockout mice. <i>Journal of Neurochemistry</i> , 2005, 92, 1281-1284.	2.1	15
41	TNF $\alpha$ -induced Up-regulation of Ascl2 Affects the Differentiation and Proliferation of Neural Stem Cells. , 2019, 10, 1207.		15
42	Cell Therapy for Parkinson'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. <i>Cell Biochemistry and Function</i> , 2015, 33, 174-182.	1.4	13
44	Intravenous Transplantation of Mesenchymal Stem Cells Reduces the Number of Infiltrated Ly6C <sup>+</sup> Cells but Enhances the Proportions Positive for BDNF, TNF-1 $\alpha$ , and IL-1 $\beta$ in the Infarct Cortices of dMCAO Rats. <i>Stem Cells International</i> , 2018, 2018, 1-14.	1.2	13
45	Ectopic hTERT expression facilitates reprogramming of fibroblasts derived from patients with Werner syndrome as a WS cellular model. <i>Cell Death and Disease</i> , 2018, 9, 923.	2.7	12
46	Spontaneous transformation of cynomolgus mesenchymal stem cells in vitro: Further confirmation by short tandem repeat analysis. <i>Experimental Cell Research</i> , 2012, 318, 435-440.	1.2	11
47	Reduced susceptibility to Kainic Acid-induced excitotoxicity in T-cell deficient CD4/CD8 $\alpha\alpha$ and middle-aged C57BL/6 mice. <i>Journal of Neuroimmunology</i> , 2004, 146, 33-38.	1.1	8
48	Cell therapy for macular degeneration's first phase I/II pluripotent stem cell-based clinical trial shows promise. <i>Science China Life Sciences</i> , 2015, 58, 119-120.	2.3	8
49	Characterizing the induction of diabetes in juvenile cynomolgus monkeys with different doses of streptozotocin. <i>Science China Life Sciences</i> , 2012, 55, 210-218.	2.3	7
50	Initiation and development of experimental autoimmune neuritis in Lewis rats is independent of the cytotoxic capacity of NKR-P1A <sup>+</sup> cells. <i>Journal of Neuroscience Research</i> , 2002, 67, 823-828.	1.3	6
51	Motor neuron replacement therapy for amyotrophic lateral sclerosis. <i>Neural Regeneration Research</i> , 2022, 17, 1633.	1.6	6
52	Impact of hydrogel stiffness on the induced neural stem cells modulation. <i>Annals of Translational Medicine</i> , 2021, 9, 1784-1784.	0.7	6
53	MRI tracking of autologous pancreatic progenitor-derived insulin-producing cells in monkeys. <i>Scientific Reports</i> , 2017, 7, 2505.	1.6	4
54	Culture of pyramidal neural precursors, neural stem cells, and fibroblasts on various biomaterials. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2018, 29, 2168-2186.	1.9	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. <i>Stem Cells International</i> , 2020, 2020, 1-13.	1.2	4
56	Unusual electrophysiological findings in a Chinese ALS 4 family with SETX-L389S mutation: a three-year follow-up. <i>Journal of Neurology</i> , 2021, 268, 1050-1058.	1.8	4
57	Astrocytes constitute the major TNF- $\alpha$ -producing cell population in the infarct cortex in dMCAO rats receiving intravenous MSC infusion. <i>Biomedicine and Pharmacotherapy</i> , 2021, 142, 111971.	2.5	4
58	Aberrant trafficking of a Leu89Pro connexin32 mutant associated with X-linked dominant Charcot-Marie-Tooth disease. <i>Neurological Research</i> , 2016, 38, 897-902.	0.6	3
59	Generation of Induced Neural Stem Cells from Peripheral Mononuclear Cells and Differentiation Toward Dopaminergic Neuron Precursors for Transplantation Studies. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	3
60	Effect of monolayer cells on sphere cells—Two types of cells that emerge during the neural differentiation of mouse embryonic stem cells. <i>Neuroscience Letters</i> , 2011, 504, 285-289.	1.0	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. <i>Frontiers in Immunology</i> , 2020, 11, 581116.	2.2	2
62	Induced neural stem cells from <i>Macaca fascicularis</i> show potential of dopaminergic neuron specification and efficacy in a mouse Parkinson's disease model. <i>Acta Histochemica</i> , 2022, 124, 151927.	0.9	2
63	Introduction to the special topic “Stem cells and regenerative medicine”. <i>Science China Life Sciences</i> , 2014, 57, 561-563.	2.3	1
64	Cell Therapy for Parkinson'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. <i>Progress in Biochemistry and Biophysics</i> , 2011, 38, 1011-1014.	0.3	0