Cesar V. Borlongan

List of Publications by Year
in descending order

576 papers	23,644 citations	5569 82 h-index	18115 120 g-index
590 all docs	590 docs citations	590 times ranked	20388 citing authors

#	Article	IF	Citations
1	Central Nervous System Entry of Peripherally Injected Umbilical Cord Blood Cells Is Not Required for Neuroprotection in Stroke. Stroke, 2004, 35, 2385-2389.	1.0	435
2	Bilateral fetal nigral transplantation into the postcommissural putamen in Parkinson's disease. Annals of Neurology, 1995, 38, 379-388.	2.8	421
3	Neuroinflammatory responses to traumatic brain injury: etiology, clinical consequences, and therapeutic opportunities. Neuropsychiatric Disease and Treatment, 2015, 11, 97.	1.0	333
4	Transplantation of Cryopreserved Human Embryonal Carcinoma-Derived Neurons (NT2N Cells) Promotes Functional Recovery in Ischemic Rats. Experimental Neurology, 1998, 149, 310-321.	2.0	331
5	Transplantation of Human Neural Stem Cells Exerts Neuroprotection in a Rat Model of Parkinson's Disease. Journal of Neuroscience, 2006, 26, 12497-12511.	1.7	266
6	Intravenous Administration of Human Umbilical Cord Blood Cells in a Mouse Model of Amyotrophic Lateral Sclerosis: Distribution, Migration, and Differentiation. Journal of Hematotherapy and Stem Cell Research, 2003, 12, 255-270.	1.8	259
7	The spleen contributes to strokeâ€induced neurodegeneration. Journal of Neuroscience Research, 2008, 86, 2227-2234.	1.3	253
8	Neuroprotective strategies for basal ganglia degeneration: Parkinson's and Huntington's diseases. Progress in Neurobiology, 2000, 60, 409-470.	2.8	251
9	Whartonâ€™s Jelly-Derived Mesenchymal Stem Cells: Phenotypic Characterization and Optimizing Their Therapeutic Potential for Clinical Applications. International Journal of Molecular Sciences, 2013, 14, 11692-11712.	1.8	247
10	Microglia Activation as a Biomarker for Traumatic Brain Injury. Frontiers in Neurology, 2013, 4, 30.	1.1	219
11	Vitamin D3 attenuates 6-hydroxydopamine-induced neurotoxicity in rats. Brain Research, 2001, 904, 67-75.	1.1	215
12	The great migration of bone marrow-derived stem cells toward the ischemic brain: Therapeutic implications for stroke and other neurological disorders. Progress in Neurobiology, 2011, 95, 213-228.	2.8	197
13	Evidence of Compromised Blood-Spinal Cord Barrier in Early and Late Symptomatic SOD1 Mice Modeling ALS. PLoS ONE, 2007, 2, e1205.	1.1	197
14	Ultrastructure of bloodâ€“brain barrier and bloodâ€“spinal cord barrier in SOD1 mice modeling ALS. Brain Research, 2007, 1157, 126-137.	1.1	195
15	Stem cell therapy for abrogating stroke-induced neuroinflammation and relevant secondary cell death mechanisms. Progress in Neurobiology, 2017, 158, 94-131.	2.8	193
16	Menstrual Blood Cells Display Stem Cellâ€“Like Phenotypic Markers and Exert Neuroprotection Following Transplantation in Experimental Stroke. Stem Cells and Development, 2010, 19, 439-452.	1.1	187
17	The choroid plexus in the rise, fall and repair of the brain. BioEssays, 2005, 27, 262-274.	1.2	185
18	Impaired bloodâ€“brain/spinal cord barrier in ALS patients. Brain Research, 2012, 1469, 114-128.	1.1	183

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19	Delayed minocycline inhibits ischemia-activated matrix metalloproteinases 2 and 9 after experimental stroke. BMC Neuroscience, 2006, 7, 56.	0.8	171
20	3-Nitropropionic acid animal model and Huntington' s disease. Neuroscience and Biobehavioral Reviews, 1997, 21, 289-293.	2.9	166
21	Stem cells and neurological diseases. Cell Proliferation, 2008, 41, 94-114.	2.4	165
22	Intravenous Bone Marrow Stem Cell Grafts Preferentially Migrate to Spleen and Abrogate Chronic Inflammation in Stroke. Stroke, 2015, 46, 2616-2627.	1.0	165
23	Bone marrow grafts restore cerebral blood flow and blood brain barrier in stroke rats. Brain Research, 2004, 1010, 108-116.	1.1	163
24	Long-Term Upregulation of Inflammation and Suppression of Cell Proliferation in the Brain of Adult Rats Exposed to Traumatic Brain Injury Using the Controlled Cortical Impact Model. PLoS ONE, 2013, 8, e53376.	1.1	159
25	Neural transplantation of human neuroteratocarcinoma (hNT) neurons into ischemic rats. A quantitative doseâ€"response analysis of cell survival and behavioral recovery. Neuroscience, 1999, 91, 519-525.	1.1	150
26	Peripheral Nerve Injury: Stem Cell Therapy and Peripheral Nerve Transfer. International Journal of Molecular Sciences, 2016, 17, 2101.	1.8	150
27	Intravenous Transplants of Human Adipose-Derived Stem Cell Protect the Brain from Traumatic Brain Injury-Induced Neurodegeneration and Motor and Cognitive Impairments: Cell Graft Biodistribution and Soluble Factors in Young and Aged Rats. Journal of Neuroscience, 2014, 34, 313-326.	1.7	147
28	Testis-derived Sertoli cells survive and provide localized immunoprotection for xenografts in rat brain. Nature Biotechnology, 1996, 14, 1692-1695.	9.4	145
29	Low dose intravenous minocycline is neuroprotective after middle cerebral artery occlusion-reperfusion in rats. BMC Neurology, 2004, 4, 7.	0.8	142
30	Stem Cells as an Emerging Paradigm in Stroke 3. Stroke, 2014, 45, 634-639.	1.0	141
31	Long noncoding RNA MALAT1 in exosomes drives regenerative function and modulates inflammation-linked networks following traumatic brain injury. Journal of Neuroinflammation, 2018, 15, 204.	3.1	139
32	Mannitol facilitates neurotrophic factor upâ€regulation and behavioural recovery in neonatal hypoxicâ€ischaemic rats with human umbilical cord blood grafts. Journal of Cellular and Molecular Medicine, 2010, 14, 914-921.	1.6	133
33	Amniotic membrane and amniotic cells: Potential therapeutic tools to combat tissue inflammation and fibrosis?. Placenta, 2011, 32, S320-S325.	0.7	132
34	Age-related loss of muscle mass and bone strength in mice is associated with a decline in physical activity and serum leptin. Bone, 2006, 39, 845-853.	1.4	131
35	Therapeutic targets and limits of minocycline neuroprotection in experimental ischemic stroke. BMC Neuroscience, 2009, 10, 126.	0.8	128
36	Toward Cell Therapy Using Placenta-Derived Cells: Disease Mechanisms, Cell Biology, Preclinical Studies, and Regulatory Aspects at the Round Table. Stem Cells and Development, 2010, 19, 143-154.	1.1	127

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37	Alphaâ€Synuclein as a Pathological Link Between Chronic Traumatic Brain Injury and Parkinson's Disease. Journal of Cellular Physiology, 2015, 230, 1024-1032.	2.0	127
38	Severity of controlled cortical impact traumatic brain injury in rats and mice dictates degree of behavioral deficits. Brain Research, 2009, 1287, 157-163.	1.1	126
39	Facilitation of drug entry into the CNS via transient permeation of blood brain barrier: laboratory and preliminary clinical evidence from bradykinin receptor agonist, Cereport. Brain Research Bulletin, 2003, 60, 297-306.	1.4	125
40	Intracerebral Transplantation of Porcine Choroid Plexus Provides Structural and Functional Neuroprotection in a Rodent Model of Stroke. Stroke, 2004, 35, 2206-2210.	1.0	123
41	Behavioral pathology induced by repeated systemic injections of 3-nitropropionic acid mimics the motoric symptoms of Huntington's disease. Brain Research, 1995, 697, 254-257.	1.1	117
42	Human Umbilical Cord Blood Progenitors: The Potential of These Hematopoietic Cells to Become Neural. Stem Cells, 2005, 23, 1560-1570.	1.4	117
43	Luteolin Reduces Alzheimerâ€™s Disease Pathologies Induced by Traumatic Brain Injury. International Journal of Molecular Sciences, 2014, 15, 895-904.	1.8	117
44	Systemic 3-nitropropionic acid: Behavioral deficits and striatal damage in adult rats. Brain Research Bulletin, 1995, 36, 549-556.	1.4	116
45	Neurorescue effects of VEGF on a rat model of Parkinson's disease. Brain Research, 2005, 1053, 10-18.	1.1	115
46	Intravenous Grafts Recapitulate the Neurorestoration Afforded by Intracerebrally Delivered Multipotent Adult Progenitor Cells in Neonatal Hypoxic-Ischemic Rats. Journal of Cerebral Blood Flow and Metabolism, 2008, 28, 1804-1810.	2.4	115
47	Blood-CNS Barrier Impairment in ALS patients versus an animal model. Frontiers in Cellular Neuroscience, 2014, 8, 21.	1.8	114
48	Optimal delivery of minocycline to the brain: implication for human studies of acute neuroprotection. Experimental Neurology, 2004, 186, 248-251.	2.0	113
49	Electrical Stimulation of the Cerebral Cortex Exerts Antiapoptotic, Angiogenic, and Anti-Inflammatory Effects in Ischemic Stroke Rats Through Phosphoinositide 3-Kinase/Akt Signaling Pathway. Stroke, 2009, 40, e598-605.	1.0	112
50	Kallikrein Protects Against Ischemic Stroke by Inhibiting Apoptosis and Inflammation and Promoting Angiogenesis and Neurogenesis. Human Gene Therapy, 2006, 17, 206-219.	1.4	110
51	Locomotor and passive avoidance deficits following occlusion of the middle cerebral artery. Physiology and Behavior, 1995, 58, 909-917.	1.0	109
52	Anti-high mobility group box 1 antibody exerts neuroprotection in a rat model of Parkinson's disease. Experimental Neurology, 2016, 275, 220-231.	2.0	109
53	Cell-based therapy in ischemic stroke. Expert Review of Neurotherapeutics, 2008, 8, 1193-1201.	1.4	106
54	Kallikrein Gene Transfer Protects Against Ischemic Stroke by Promoting Glial Cell Migration and Inhibiting Apoptosis. Hypertension, 2004, 43, 452-459.	1.3	105

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55	Umbilical Cord Blood-Derived Stem Cells and Brain Repair. Annals of the New York Academy of Sciences, 2005, 1049, 67-83.	1.8	105
56	Delta opioid peptide (D-ALA 2, D-LEU 5) enkephalin: linking hibernation and neuroprotection. Frontiers in Bioscience - Landmark, 2004, 9, 3392.	3.0	104
57	Notch-Induced Rat and Human Bone Marrow Stromal Cell Grafts Reduce Ischemic Cell Loss and Ameliorate Behavioral Deficits in Chronic Stroke Animals. Stem Cells and Development, 2009, 18, 1501-1514.	1.1	104
58	Neuroprotective Effects of Liraglutide for Stroke Model of Rats. International Journal of Molecular Sciences, 2013, 14, 21513-21524.	1.8	104
59	Amyotrophic lateral sclerosis: A neurovascular disease. Brain Research, 2011, 1398, 113-125.	1.1	103
60	Glial cell survival is enhanced during melatonin-induced neuroprotection against cerebral ischemia. FASEB Journal, 2000, 14, 1307-1317.	0.2	102
61	Discarded Wharton jelly of the human umbilical cord: a viable source for mesenchymal stromal cells. Cytotherapy, 2015, 17, 18-24.	0.3	102
62	Bone marrow stem cell mobilization in stroke: a â€˜boneheadâ€™ may be good after all!. Leukemia, 2011, 25, 1674-1686.	3.3	100
63	Concise Review: Stem Cell Therapy for Stroke Patients: Are We There Yet?. Stem Cells Translational Medicine, 2019, 8, 983-988.	1.6	99
64	Cerebral ischemia and CNS transplantation. NeuroReport, 1998, 9, 3703-3709.	0.6	98
65	Amniotic Fluid as a Rich Source of Mesenchymal Stromal Cells for Transplantation Therapy. Cell Transplantation, 2011, 20, 789-796.	1.2	97
66	Transplantation of Bone Marrow-Derived Stem Cells: A Promising Therapy for Stroke. Cell Transplantation, 2007, 16, 159-169.	1.2	96
67	The immunology of traumatic brain injury: a prime target for Alzheimerâ€™s disease prevention. Journal of Neuroinflammation, 2012, 9, 185.	3.1	96
68	Combination Therapy of Human Umbilical Cord Blood Cells and Granulocyte Colony Stimulating Factor Reduces Histopathological and Motor Impairments in an Experimental Model of Chronic Traumatic Brain Injury. PLoS ONE, 2014, 9, e90953.	1.1	94
69	Neural progenitor NT2N cell lines from teratocarcinoma for transplantation therapy in stroke. Progress in Neurobiology, 2008, 85, 318-334.	2.8	92
70	Asymmetrical motor behavior in rats with unilateral striatal excitotoxic lesions as revealed by the elevated body swing test. Brain Research, 1995, 676, 231-234.	1.1	91
71	Testis-derived Sertoli cells have a trophic effect on dopamine neurons and alleviate hemiparkinsonism in rats. Nature Medicine, 1997, 3, 1129-1132.	15.2	91
72	Positive Effect of Transplantation of hNT Neurons (NTera 2/D1 Cell-Line) in a Model of Familial Amyotrophic Lateral Sclerosis. Experimental Neurology, 2002, 174, 169-180.	2.0	91

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73	Injectable VEGF Hydrogels Produce Near Complete Neurological and Anatomical Protection following Cerebral Ischemia in Rats. Cell Transplantation, 2010, 19, 1063-1071.	1.2	90
74	Strategies to Extend Thrombolytic Time Window for Ischemic Stroke Treatment: An Unmet Clinical Need. Journal of Stroke, 2017, 19, 50-60.	1.4	90
75	Human Umbilical Cord Blood Treatment in a Mouse Model of ALS: Optimization of Cell Dose. PLoS ONE, 2008, 3, e2494.	1.1	90
76	Extensive neuroprotection by choroid plexus transplants in excitotoxin lesioned monkeys. Neurobiology of Disease, 2006, 23, 471-480.	2.1	89
77	Postischemic Brain Injury Is Exacerbated in Mice Lacking the Kinin B2 Receptor. Hypertension, 2006, 47, 752-761.	1.3	89
78	Human Umbilical Cord Blood Cell Grafts for Brain Ischemia. Cell Transplantation, 2009, 18, 985-998.	1.2	88
79	Transplantation of Unique Subpopulation of Fibroblasts, Muse Cells, Ameliorates Experimental Stroke Possibly via Robust Neuronal Differentiation. Stem Cells, 2016, 34, 160-173.	1.4	88
80	MicroRNA-133a and Myocardial Infarction. Cell Transplantation, 2019, 28, 831-838.	1.2	88
81	Electromagnetic Treatment to Old Alzheimer's Mice Reverses Î²-Amyloid Deposition, Modifies Cerebral Blood Flow, and Provides Selected Cognitive Benefit. PLoS ONE, 2012, 7, e35751.	1.1	88
82	Behavioral and Histological Characterization of Intrahippocampal Grafts of Human Bone Marrow-Derived Multipotent Progenitor Cells in Neonatal Rats with Hypoxic-Ischemic Injury. Cell Transplantation, 2006, 15, 231-238.	1.2	87
83	Cyclosporine-A as a neuroprotective agent against stroke: Its translation from laboratory research to clinical application. Neuropeptides, 2011, 45, 359-368.	0.9	87
84	Intra-Arterial Transplantation of Allogeneic Mesenchymal Stem Cells Mounts Neuroprotective Effects in a Transient Ischemic Stroke Model in Rats: Analyses of Therapeutic Time Window and Its Mechanisms. PLoS ONE, 2015, 10, e0127302.	1.1	86
85	Early assessment of motor dysfunctions aids in successful occlusion of the middle cerebral artery. NeuroReport, 1998, 9, 3615-3621.	0.6	85
86	Cell Therapy for Stroke. Stroke, 2009, 40, S146-8.	1.0	84
87	Human Muse Cells Reconstruct Neuronal Circuitry in Subacute Lacunar Stroke Model. Stroke, 2017, 48, 428-435.	1.0	84
88	Amnion: A Potent Graft Source for Cell Therapy in Stroke. Cell Transplantation, 2009, 18, 111-118.	1.2	83
89	CNS immunological modulation of neural graft rejection and survival. Neurological Research, 1996, 18, 297-304.	0.6	82
90	Potential of stem/progenitor cells in treating stroke: the missing steps in translating cell therapy from laboratory to clinic. Regenerative Medicine, 2008, 3, 249-250.	0.8	82

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91	Estrogen protects against while testosterone exacerbates vulnerability of the lateral striatal artery to chemical hypoxia by 3-nitropropionic acid. Neuroscience Research, 1998, 30, 303-312.	1.0	80
92	Viability and survival of hNT neurons determine degree of functional recovery in grafted ischemic rats. NeuroReport, 1998, 9, 2837-2842.	0.6	80
93	Lack of exercise, via hindlimb suspension, impedes endogenous neurogenesis. Neuroscience, 2007, 149, 182-191.	1.1	80
94	Recent Studies Assessing the Proliferative Capability of a Novel Adult Stem Cell Identified in Menstrual Blood. Open Stem Cell Journal, 2011, 3, 4-10.	2.0	80
95	Human Umbilical Cord Stem Cells Ameliorate Experimental Autoimmune Encephalomyelitis by Regulating Immunoinflammation and Remyelination. Stem Cells and Development, 2013, 22, 1053-1062.	1.1	80
96	Genetic and histologic evidence implicates role of inflammation in traumatic brain injury-induced apoptosis in the rat cerebral cortex following moderate fluid percussion injury. Neuroscience, 2010, 171, 1273-1282.	1.1	79
97	Transplantation of Umbilical Cord Blood Stem Cells for Treating Spinal Cord Injury. Stem Cell Reviews and Reports, 2011, 7, 181-194.	5.6	79
98	Humoral factors in ALS patients during disease progression. Journal of Neuroinflammation, 2015, 12, 127.	3.1	77
99	Intravenous Grafts Of Amniotic Fluid-Derived Stem Cells Induce Endogenous Cell Proliferation and Attenuate Behavioral Deficits in Ischemic Stroke Rats. PLoS ONE, 2012, 7, e43779.	1.1	75
100	Stem Cell Recruitment of Newly Formed Host Cells via a Successful Seduction? Filling the Gap between Neurogenic Niche and Injured Brain Site. PLoS ONE, 2013, 8, e74857.	1.1	75
101	Treatment with delta opioid peptide enhances in vitro and in vivo survival of rat dopaminergic neurons. NeuroReport, 2000, 11, 923-926.	0.6	74
102	Hibernation-like state induced by an opioid peptide protects against experimental stroke. BMC Biology, 2009, 7, 31.	1.7	74
103	Probiotics and Prebiotics as a Therapeutic Strategy to Improve Memory in a Model of Middle-Aged Rats. Frontiers in Aging Neuroscience, 2018, 10, 416.	1.7	73
104	Mannitol-Enhanced Delivery of Stem Cells and Their Growth Factors across the Bloodâ€"Brain Barrier. Cell Transplantation, 2014, 23, 531-539.	1.2	72
105	Hyperbaric Oxygen Therapy for Treatment of Postischemic Stroke in Adult Rats. Experimental Neurology, 2000, 166, 298-306.	2.0	71
106	Chapter 21 Restoration of function by neural transplantation in the ischemic brain. Progress in Brain Research, 2000, 127, 461-476.	0.9	70
107	Role of Caspase-3-Mediated Apoptosis in Chronic Caspase-3-Cleaved Tau Accumulation and Bloodâ€"Brain Barrier Damage in the Corpus Callosum after Traumatic Brain Injury in Rats. Journal of Neurotrauma, 2018, 35, 157-173.	1.7	70
108	Neural Transplantation as an Experimental Treatment Modality for Cerebral Ischemia. Neuroscience and Biobehavioral Reviews, 1997, 21, 79-90.	2.9	69

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109	Tumorigenicity Issues of Embryonic Carcinoma-derived Stem Cells: Relevance to Surgical Trials Using NT2 and hNT Neural Cells. Stem Cells and Development, 2005, 14, 29-43.	1.1	69
110	Adrenomedullin Gene Delivery Protects Against Cerebral Ischemic Injury by Promoting Astrocyte Migration and Survival. Human Gene Therapy, 2004, 15, 1243-1254.	1.4	67
111	Oxytocin modulates GABAAR subunits to confer neuroprotection in stroke in vitro. Scientific Reports, 2016, 6, 35659.	1.6	67
112	The Treatment of Neurodegenerative Disorders Using Umbilical Cord Blood and Menstrual Blood-Derived Stem Cells. Cell Transplantation, 2011, 20, 85-94.	1.2	65
113	Neural transplantation for neurodegenerative disorders. Lancet, The, 1999, 353, S29-S30.	6.3	64
114	Quantitative analyses of matrix metalloproteinase activity after traumatic brain injury in adult rats. Brain Research, 2009, 1280, 172-177.	1.1	64
115	In Vivo Animal Stroke Models. Translational Stroke Research, 2013, 4, 308-321.	2.3	64
116	Vasculogenesis in Experimental Stroke After Human Cerebral Endothelial Cell Transplantation. Stroke, 2013, 44, 3473-3481.	1.0	63
117	Brain-derived Neurotrophic Factor Signaling Pathway: Modulation by Acupuncture in Telomerase Knockout Mice. Alternative Therapies in Health and Medicine, 2015, 21, 36-46.	0.0	62
118	Permeating the Blood Brain Barrier and Abrogating the Inflammation in Stroke: Implications for Stroke Therapy. Current Pharmaceutical Design, 2012, 18, 3670-3676.	0.9	61
119	Traumatic Brain Injury Precipitates Cognitive Impairment and Extracellular Aβ Aggregation in Alzheimer's Disease Transgenic Mice. PLoS ONE, 2013, 8, e78851.	1.1	61
120	Recent Advances in Stem Cell-Based Therapeutics for Stroke. Translational Stroke Research, 2016, 7, 452-457.	2.3	61
121	Neuroprotection by encapsulated choroid plexus in a rodent model of Huntingtonâ€™s disease. NeuroReport, 2004, 15, 2521-2525.	0.6	60
122	Melatonin as an Antioxidant for Stroke Neuroprotection. Cell Transplantation, 2016, 25, 883-891.	1.2	60
123	Humble beginnings with big goals: Small molecule soluble epoxide hydrolase inhibitors for treating CNS disorders. Progress in Neurobiology, 2019, 172, 23-39.	2.8	59
124	Systemic 3-nitropropionic acid: long-term effects on locomotor behavior. Brain Research, 1994, 646, 242-246.	1.1	58
125	Hyperactivity and hypoactivity in a rat model of Huntington's disease: the systemic 3-nitropropionic acid model. Brain Research Protocols, 1997, 1, 253-257.	1.7	58
126	The choroid plexus: function, pathology and therapeutic potential of its transplantation. Expert Opinion on Biological Therapy, 2004, 4, 1191-1201.	1.4	58

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127	Peripheral Nerve Repair with Cultured Schwann Cells: Getting Closer to the Clinics. Scientific World Journal, The, 2012, 2012, 1-10.	0.8	58
128	Lithium Chloride Induces the Expression of Tyrosine Hydroxylase in hNT Neurons. Experimental Neurology, 1999, 157, 251-258.	2.0	57
129	Amniotic Fluid Stem Cells: a Promising Therapeutic Resource for Cell-Based Regenerative Therapy. Current Pharmaceutical Design, 2012, 18, 1846-1863.	0.9	56
130	Transplantation of bone marrow-derived stem cells: a promising therapy for stroke. Cell Transplantation, 2007, 16, 159-69.	1.2	56
131	CNS grafts of rat choroid plexus protect against cerebral ischemia in adult rats. NeuroReport, 2004, 15, 1543-1547.	0.6	55
132	Effects of Voluntary Physical Exercise, Citicoline, and Combined Treatment on Object Recognition Memory, Neurogenesis, and Neuroprotection after Traumatic Brain Injury in Rats. Journal of Neurotrauma, 2015, 32, 739-751.	1.7	54
133	Survival of Rat and Porcine Sertoli Cell Transplants in the Rat Striatum without Cyclosporine-A Immunosuppression. Experimental Neurology, 1997, 146, 299-304.	2.0	53
134	Ischemic Stroke Brain Sends Indirect Cell Death Signals to the Heart. Stroke, 2013, 44, 3175-3182.	1.0	53
135	Blood-Brain Barrier Alterations Provide Evidence of Subacute Diaschisis in an Ischemic Stroke Rat Model. PLoS ONE, 2013, 8, e63553.	1.1	53
136	Multiple Intravenous Administrations of Human Umbilical Cord Blood Cells Benefit in a Mouse Model of ALS. PLoS ONE, 2012, 7, e31254.	1.1	53
137	Postischemic infusion of adrenomedullin protects against ischemic stroke by inhibiting apoptosis and promoting angiogenesis. Experimental Neurology, 2006, 197, 521-530.	2.0	52
138	Stem cell therapy for neurological disorders: A focus on aging. Neurobiology of Disease, 2019, 126, 85-104.	2.1	52
139	Regulatory T-cells within bone marrow-derived stem cells actively confer immunomodulatory and neuroprotective effects against stroke. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 1750-1758.	2.4	52
140	Spirulina Promotes Stem Cell Genesis and Protects against LPS Induced Declines in Neural Stem Cell Proliferation. PLoS ONE, 2010, 5, e10496.	1.1	52
141	Inflammation and Stem Cell Migration to the Injured Brain in Higher Organisms. Stem Cells and Development, 2009, 18, 693-702.	1.1	51
142	Compromised bloodâ€"brain barrier competence in remote brain areas in ischemic stroke rats at the chronic stage. Journal of Comparative Neurology, 2014, 522, 3120-3137.	0.9	51
143	Article Commentary: Who's in Favor of Translational Cell Therapy for Stroke: STEPS Forward Please?. Cell Transplantation, 2009, 18, 691-693.	1.2	50
144	Granulocyte Colony-Stimulating Factor Attenuates Delayed tPA-Induced Hemorrhagic Transformation in Ischemic Stroke Rats by Enhancing Angiogenesis and Vasculogenesis. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 338-346.	2.4	50

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145	Mitochondrial targeting as a novel therapy for stroke. Brain Circulation, 2018, 4, 84.	0.7	50
146	Methamphetamine Potentiates Ischemia/Reperfusion Insults After Transient Middle Cerebral Artery Ligation. Stroke, 2001, 32, 775-782.	1.0	49
147	Intracerebral Xenotransplantation of GFP Mouse Bone Marrow Stromal Cells in Intact and Stroke Rat Brain: Graft Survival and Immunologic Response. Cell Transplantation, 2004, 13, 283-294.	1.2	49
148	Transplants of Encapsulated Rat Choroid Plexus Cells Exert Neuroprotection in a Rodent Model of Huntington's Disease. Cell Transplantation, 2007, 16, 987-992.	1.2	49
149	Stem cell-paved biobridge facilitates neural repair in traumatic brain injury. Frontiers in Systems Neuroscience, 2014, 8, 116.	1.2	49
150	The Neuroprotective Role of Acupuncture and Activation of the BDNF Signaling Pathway. International Journal of Molecular Sciences, 2014, 15, 3234-3252.	1.8	49
151	Mesenchymal stem cell therapy alleviates the neuroinflammation associated with acquired brain injury. CNS Neuroscience and Therapeutics, 2020, 26, 603-615.	1.9	49
152	Neural transplantation for treatment of Parkinson's disease. Drug Discovery Today, 2002, 7, 674-682.	3.2	48
153	Novel cell therapy approaches for brain repair. Progress in Brain Research, 2006, 157, 207-222.	0.9	48
154	Human amniotic epithelial cells express melatonin receptor MT1, but not melatonin receptor MT2: a new perspective to neuroprotection. Journal of Pineal Research, 2011, 50, 272-280.	3.4	48
155	Recent preclinical evidence advancing cell therapy for Alzheimer's disease. Experimental Neurology, 2012, 237, 142-146.	2.0	48
156	Influence of Post-Traumatic Stress Disorder on Neuroinflammation and Cell Proliferation in a Rat Model of Traumatic Brain Injury. PLoS ONE, 2013, 8, e81585.	1.1	48
157	Trophic factor secreting kidney cell lines: in vitro characterization and functional effects following transplantation in ischemic rats. Brain Research, 2001, 900, 268-276.	1.1	47
158	Cell therapy for central nervous system disorders: Current obstacles to progress. CNS Neuroscience and Therapeutics, 2020, 26, 595-602.	1.9	47
159	Increased Amyloid Precursor Protein and Tau Expression Manifests as Key Secondary Cell Death in Chronic Traumatic Brain Injury. Journal of Cellular Physiology, 2017, 232, 665-677.	2.0	46
160	Transplantation of Fetal Kidney Tissue Reduces Cerebral Infarction Induced by Middle Cerebral Artery Ligation. Journal of Cerebral Blood Flow and Metabolism, 1999, 19, 1329-1335.	2.4	45
161	Intracerebral xenografts of mouse bone marrow cells in adult rats facilitate restoration of cerebral blood flow and bloodâ€“brain barrier. Brain Research, 2004, 1009, 26-33.	1.1	44
162	Autophagic down-regulation in motor neurons remarkably prolongs the survival of ALS mice. Neuropharmacology, 2016, 108, 152-160.	2.0	44

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163	Systemic, but not intraparenchymal, administration of 3-nitropropionic acid mimics the neuropathology of Huntington's disease: a speculative explanation. Neuroscience Research, 1997, 28, 185-189.	1.0	43
164	Dietary Supplementation Exerts Neuroprotective Effects in Ischemic Stroke Model. Rejuvenation Research, 2008, 11, 201-214.	0.9	43
165	Cell Therapy for Stroke: Emphasis on Optimizing Safety and Efficacy Profile of Endothelial Progenitor Cells. Current Pharmaceutical Design, 2012, 18, 3731-3734.	0.9	42
166	One, Two, Three Steps Toward Cell Therapy for Stroke. Stroke, 2015, 46, 588-591.	1.0	42
167	Age of PISCES: stem-cell clinical trials in stroke. Lancet, The, 2016, 388, 736-738.	6.3	42
168	(-)-Nicotine Protects against Systemic Kainic Acid-Induced Excitotoxic Effects. Experimental Neurology, 1995, 136, 261-265.	2.0	41
169	Limitations of intravenous human bone marrow CD133+ cell grafts in stroke rats. Brain Research, 2005, 1048, 116-122.	1.1	41
170	Ex vivo gene therapy: transplantation of neurotrophic factor-secreting cells for cerebral ischemia. Frontiers in Bioscience - Landmark, 2006, 11, 760.	3.0	41
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