Cesar V. Borlongan

List of Publications by Citations

549 papers	19,381 citations	77 h-index	109 g-index
589 ext. papers	21,566 ext. citations	4.8 avg, IF	6.94 L-index

#	Paper	IF	Citations
549	Central nervous system entry of peripherally injected umbilical cord blood cells is not required for neuroprotection in stroke. *Stroke*, **2004**, 35, 2385-9	6.7	386
548	Bilateral fetal nigral transplantation into the postcommissural putamen in Parkinson's disease. *Annals of Neurology*, **1995**, 38, 379-88	9.4	370
547	Transplantation of cryopreserved human embryonal carcinoma-derived neurons (NT2N cells) promotes functional recovery in ischemic rats. *Experimental Neurology*, **1998**, 149, 310-21	5.7	287
546	Neuroinflammatory responses to traumatic brain injury: etiology, clinical consequences, and therapeutic opportunities. *Neuropsychiatric Disease and Treatment*, **2015**, 11, 97-106	3.1	263
545	Neuroprotective strategies for basal ganglia degeneration: Parkinson's and Huntington's diseases. *Progress in Neurobiology*, **2000**, 60, 409-70	10.9	234
544	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, 255-70		232
543	Transplantation of human neural stem cells exerts neuroprotection in a rat model of Parkinson's disease. *Journal of Neuroscience*, **2006**, 26, 12497-511	6.6	231
542	The spleen contributes to stroke-induced neurodegeneration. *Journal of Neuroscience Research*, **2008**, 86, 2227-34	4.4	209
541	Wharton's jelly-derived mesenchymal stem cells: phenotypic characterization and optimizing their therapeutic potential for clinical applications. *International Journal of Molecular Sciences*, **2013**, 14, 11692-712	6.3	202
540	Vitamin D(3) attenuates 6-hydroxydopamine-induced neurotoxicity in rats. *Brain Research*, **2001**, 904, 67-75	3.7	184
539	Microglia activation as a biomarker for traumatic brain injury. *Frontiers in Neurology*, **2013**, 4, 30	4.1	179
538	Menstrual blood cells display stem cell-like phenotypic markers and exert neuroprotection following transplantation in experimental stroke. *Stem Cells and Development*, **2010**, 19, 439-52	4.4	176
537	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, 213-28	10.9	170
536	Evidence of compromised blood-spinal cord barrier in early and late symptomatic SOD1 mice modeling ALS. *PLoS ONE*, **2007**, 2, e1205	3.7	169
535	Ultrastructure of blood-brain barrier and blood-spinal cord barrier in SOD1 mice modeling ALS. *Brain Research*, **2007**, 1157, 126-37	3.7	165
534	The choroid plexus in the rise, fall and repair of the brain. *BioEssays*, **2005**, 27, 262-74	4.1	163
533	Delayed minocycline inhibits ischemia-activated matrix metalloproteinases 2 and 9 after experimental stroke. *BMC Neuroscience*, **2006**, 7, 56	3.2	155

532	3-Nitropropionic acid animal model and Huntington's disease. *Neuroscience and Biobehavioral Reviews*, **1997**, 21, 289-93	9	149
531	Bone marrow grafts restore cerebral blood flow and blood brain barrier in stroke rats. *Brain Research*, **2004**, 1010, 108-16	3.7	149
530	Stem cell therapy for abrogating stroke-induced neuroinflammation and relevant secondary cell death mechanisms. *Progress in Neurobiology*, **2017**, 158, 94-131	10.9	143
529	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	3.7	140
528	Neural transplantation of human neuroteratocarcinoma (hNT) neurons into ischemic rats. A quantitative dose-response analysis of cell survival and behavioral recovery. *Neuroscience*, **1999**, 91, 519-25	3.9	137
527	Intravenous Bone Marrow Stem Cell Grafts Preferentially Migrate to Spleen and Abrogate Chronic Inflammation in Stroke. *Stroke*, **2015**, 46, 2616-27	6.7	132
526	Impaired blood-brain/spinal cord barrier in ALS patients. *Brain Research*, **2012**, 1469, 114-28	3.7	132
525	Testis-derived Sertoli cells survive and provide localized immunoprotection for xenografts in rat brain. *Nature Biotechnology*, **1996**, 14, 1692-5	44.5	131
524	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, 313-26	6.6	126
523	Low dose intravenous minocycline is neuroprotective after middle cerebral artery occlusion-reperfusion in rats. *BMC Neurology*, **2004**, 4, 7	3.1	123
522	Stem cells and neurological diseases. *Cell Proliferation*, **2008**, 41 Suppl 1, 94-114	7.9	121
521	Stem cells as an emerging paradigm in stroke 3: enhancing the development of clinical trials. *Stroke* , **2014**, 45, 634-9	6.7	120
520	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, 845-53	4.7	115
519	Amniotic membrane and amniotic cells: potential therapeutic tools to combat tissue inflammation and fibrosis?. *Placenta*, **2011**, 32 Suppl 4, S320-5	3.4	113
518	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, 143-54	4.4	112
517	Mannitol facilitates neurotrophic factor up-regulation and behavioural recovery in neonatal hypoxic-ischaemic rats with human umbilical cord blood grafts. *Journal of Cellular and Molecular Medicine*, **2010**, 14, 914-21	5.6	112
516	Severity of controlled cortical impact traumatic brain injury in rats and mice dictates degree of behavioral deficits. *Brain Research*, **2009**, 1287, 157-63	3.7	111
515	Intracerebral transplantation of porcine choroid plexus provides structural and functional neuroprotection in a rodent model of stroke. *Stroke*, **2004**, 35, 2206-10	6.7	111

514	Behavioral pathology induced by repeated systemic injections of 3-nitropropionic acid mimics the motoric symptoms of Huntington's disease. *Brain Research*, **1995**, 697, 254-7	3.7	111
513	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	3.9	109
512	Therapeutic targets and limits of minocycline neuroprotection in experimental ischemic stroke. *BMC Neuroscience*, **2009**, 10, 126	3.2	108
511	Systemic 3-nitropropionic acid: behavioral deficits and striatal damage in adult rats. *Brain Research Bulletin*, **1995**, 36, 549-56	3.9	108
510	Human umbilical cord blood progenitors: the potential of these hematopoietic cells to become neural. *Stem Cells*, **2005**, 23, 1560-70	5.8	106
509	Optimal delivery of minocycline to the brain: implication for human studies of acute neuroprotection. *Experimental Neurology*, **2004**, 186, 248-51	5.7	104
508	Locomotor and passive avoidance deficits following occlusion of the middle cerebral artery. *Physiology and Behavior*, **1995**, 58, 909-17	3.5	103
507	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, 1804-10	7.3	101
506	Long noncoding RNA MALAT1 in exosomes drives regenerative function and modulates inflammation-linked networks following traumatic brain injury. *Journal of Neuroinflammation*, **2018**, 15, 204	10.1	100
505	Glial cell survival is enhanced during melatonin-induced neuroprotection against cerebral ischemia. *FASEB Journal*, **2000**, 14, 1307-1317	0.9	100
504	Neurorescue effects of VEGF on a rat model of Parkinson's disease. *Brain Research*, **2005**, 1053, 10-8	3.7	99
503	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	6.7	97
502	Kallikrein gene transfer protects against ischemic stroke by promoting glial cell migration and inhibiting apoptosis. *Hypertension*, **2004**, 43, 452-9	8.5	96
501	Alpha-synuclein as a pathological link between chronic traumatic brain injury and Parkinson's disease. *Journal of Cellular Physiology*, **2015**, 230, 1024-32	7	94
500	Kallikrein protects against ischemic stroke by inhibiting apoptosis and inflammation and promoting angiogenesis and neurogenesis. *Human Gene Therapy*, **2006**, 17, 206-19	4.8	94
499	Peripheral Nerve Injury: Stem Cell Therapy and Peripheral Nerve Transfer. *International Journal of Molecular Sciences*, **2016**, 17,	6.3	94
498	Blood-CNS Barrier Impairment in ALS patients versus an animal model. *Frontiers in Cellular Neuroscience*, **2014**, 8, 21	6.1	93
497	Delta opioid peptide (D-Ala 2, D-Leu 5) enkephalin: linking hibernation and neuroprotection. *Frontiers in Bioscience - Landmark*, **2004**, 9, 3392-8	2.8	93

496	Luteolin reduces Alzheimer's disease pathologies induced by traumatic brain injury. *International Journal of Molecular Sciences*, **2014**, 15, 895-904	6.3	92
495	Cell-based therapy in ischemic stroke. *Expert Review of Neurotherapeutics*, **2008**, 8, 1193-201	4.3	92
494	Cerebral ischemia and CNS transplantation: differential effects of grafted fetal rat striatal cells and human neurons derived from a clonal cell line. *NeuroReport*, **1998**, 9, 3703-9	1.7	92
493	Neuroprotective effects of liraglutide for stroke model of rats. *International Journal of Molecular Sciences*, **2013**, 14, 21513-24	6.3	89
492	Umbilical cord blood-derived stem cells and brain repair. *Annals of the New York Academy of Sciences*, **2005**, 1049, 67-83	6.5	88
491	Bone marrow stem cell mobilization in stroke: a 'bonehead' may be good after all!. *Leukemia*, **2011**, 25, 1674-86	10.7	87
490	Testis-derived Sertoli cells have a trophic effect on dopamine neurons and alleviate hemiparkinsonism in rats. *Nature Medicine*, **1997**, 3, 1129-32	50.5	87
489	Transplantation of Bone Marrow-Derived Stem Cells: A Promising Therapy for Stroke. *Cell Transplantation*, **2007**, 16, 159-169	4	86
488	Amniotic fluid as a rich source of mesenchymal stromal cells for transplantation therapy. *Cell Transplantation*, **2011**, 20, 789-95	4	85
487	Amyotrophic lateral sclerosis: a neurovascular disease. *Brain Research*, **2011**, 1398, 113-25	3.7	85
486	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, 1501-14	4.4	83
485	Asymmetrical motor behavior in rats with unilateral striatal excitotoxic lesions as revealed by the elevated body swing test. *Brain Research*, **1995**, 676, 231-4	3.7	83
484	Postischemic brain injury is exacerbated in mice lacking the kinin B2 receptor. *Hypertension*, **2006**, 47, 752-61	8.5	82
483	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, 231-8	4	82
482	Early assessment of motor dysfunctions aids in successful occlusion of the middle cerebral artery. *NeuroReport*, **1998**, 9, 3615-21	1.7	81
481	Discarded Wharton jelly of the human umbilical cord: a viable source for mesenchymal stromal cells. *Cytotherapy*, **2015**, 17, 18-24	4.8	80
480	Anti-high mobility group box 1 antibody exerts neuroprotection in a rat model of Parkinson's disease. *Experimental Neurology*, **2016**, 275 Pt 1, 220-31	5.7	80
479	Addendum: Shinozuka, K. et al. Stem Cell Transplantation for Neuroprotection in Stroke. Brain Sci. 2013, 3, 239–261. *Brain Sciences*, **2017**, 7, 145	3.4	78

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477	Human umbilical cord blood cell grafts for brain ischemia. *Cell Transplantation*, **2009**, 18, 985-98	4	78
476	Neural progenitor NT2N cell lines from teratocarcinoma for transplantation therapy in stroke. *Progress in Neurobiology*, **2008**, 85, 318-34	10.9	77
475	Extensive neuroprotection by choroid plexus transplants in excitotoxin lesioned monkeys. *Neurobiology of Disease*, **2006**, 23, 471-80	7.5	77
474	Positive effect of transplantation of hNT neurons (NTera 2/D1 cell-line) in a model of familial amyotrophic lateral sclerosis. *Experimental Neurology*, **2002**, 174, 169-80	5.7	77
473	Human umbilical cord blood treatment in a mouse model of ALS: optimization of cell dose. *PLoS ONE*, **2008**, 3, e2494	3.7	77
472	Cyclosporine-A as a neuroprotective agent against stroke: its translation from laboratory research to clinical application. *Neuropeptides*, **2011**, 45, 359-68	3.3	76
471	Estrogen protects against while testosterone exacerbates vulnerability of the lateral striatal artery to chemical hypoxia by 3-nitropropionic acid. *Neuroscience Research*, **1998**, 30, 303-12	2.9	76
470	CNS immunological modulation of neural graft rejection and survival. *Neurological Research*, **1996**, 18, 297-304	2.7	76
469	The immunology of traumatic brain injury: a prime target for Alzheimer's disease prevention. *Journal of Neuroinflammation*, **2012**, 9, 185	10.1	74
468	Cell therapy for stroke: remaining issues to address before embarking on clinical trials. *Stroke*, **2009** , 40, S146-8	6.7	74
467	Amnion: a potent graft source for cell therapy in stroke. *Cell Transplantation*, **2009**, 18, 111-8	4	73
466	Injectable VEGF hydrogels produce near complete neurological and anatomical protection following cerebral ischemia in rats. *Cell Transplantation*, **2010**, 19, 1063-71	4	72
465	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	3.7	72
464	Human umbilical cord stem cells ameliorate experimental autoimmune encephalomyelitis by regulating immunoinflammation and remyelination. *Stem Cells and Development*, **2013**, 22, 1053-62	4.4	71
463	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, 1273-82	3.9	71
462	Viability and survival of hNT neurons determine degree of functional recovery in grafted ischemic rats. *NeuroReport*, **1998**, 9, 2837-42	1.7	71
461	Transplantation of umbilical cord blood stem cells for treating spinal cord injury. *Stem Cell Reviews and Reports*, **2011**, 7, 181-94	6.4	68

460	Transplantation of Unique Subpopulation of Fibroblasts, Muse Cells, Ameliorates Experimental Stroke Possibly via Robust Neuronal Differentiation. *Stem Cells*, **2016**, 34, 160-73	5.8	68
459	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	67
458	Treatment with delta opioid peptide enhances in vitro and in vivo survival of rat dopaminergic neurons. *NeuroReport*, **2000**, 11, 923-6	1.7	67
457	Electromagnetic treatment to old Alzheimer's mice reverses β-amyloid deposition, modifies cerebral blood flow, and provides selected cognitive benefit. *PLoS ONE*, **2012**, 7, e35751	3.7	66
456	Hibernation-like state induced by an opioid peptide protects against experimental stroke. *BMC Biology*, **2009**, 7, 31	7.3	65
455	Concise Review: Stem Cell Therapy for Stroke Patients: Are We There Yet?. *Stem Cells Translational Medicine*, **2019**, 8, 983-988	6.9	64
454	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	3.7	64
453	Neural transplantation as an experimental treatment modality for cerebral ischemia. *Neuroscience and Biobehavioral Reviews*, **1997**, 21, 79-90	9	64
452	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	4.4	64
451	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	3.7	63
450	Strategies to Extend Thrombolytic Time Window for Ischemic Stroke Treatment: An Unmet Clinical Need. *Journal of Stroke*, **2017**, 19, 50-60	5.6	62
449	Adrenomedullin gene delivery protects against cerebral ischemic injury by promoting astrocyte migration and survival. *Human Gene Therapy*, **2004**, 15, 1243-54	4.8	62
448	Hyperbaric oxygen therapy for treatment of postischemic stroke in adult rats. *Experimental Neurology*, **2000**, 166, 298-306	5.7	62
447	Restoration of function by neural transplantation in the ischemic brain. *Progress in Brain Research*, **2000**, 127, 461-76	2.9	61
446	Mannitol-enhanced delivery of stem cells and their growth factors across the blood-brain barrier. *Cell Transplantation*, **2014**, 23, 531-9	4	60
445	Lack of exercise, via hindlimb suspension, impedes endogenous neurogenesis. *Neuroscience*, **2007**, 149, 182-91	3.9	60
444	Neural transplantation for neurodegenerative disorders. *Lancet, The*, **1999**, 353 Suppl 1, SI29-30	40	59
443	The treatment of neurodegenerative disorders using umbilical cord blood and menstrual blood-derived stem cells. *Cell Transplantation*, **2011**, 20, 85-94	4	58

442	Neuroprotection by encapsulated choroid plexus in a rodent model of Huntington's disease. *NeuroReport*, **2004**, 15, 2521-5	1.7	58
441	Quantitative analyses of matrix metalloproteinase activity after traumatic brain injury in adult rats. *Brain Research*, **2009**, 1280, 172-7	3.7	57
440	Vasculogenesis in experimental stroke after human cerebral endothelial cell transplantation. *Stroke*, **2013**, 44, 3473-81	6.7	54
439	Systemic 3-nitropropionic acid: long-term effects on locomotor behavior. *Brain Research*, **1994**, 646, 242-6	3.7	54
438	Permeating the blood brain barrier and abrogating the inflammation in stroke: implications for stroke therapy. *Current Pharmaceutical Design*, **2012**, 18, 3670-6	3.3	53
437	Humoral factors in ALS patients during disease progression. *Journal of Neuroinflammation*, **2015**, 12, 127	10.1	52
436	Amniotic fluid stem cells: a promising therapeutic resource for cell-based regenerative therapy. *Current Pharmaceutical Design*, **2012**, 18, 1846-63	3.3	52
435	The choroid plexus: function, pathology and therapeutic potential of its transplantation. *Expert Opinion on Biological Therapy*, **2004**, 4, 1191-201	5.4	52
434	CNS grafts of rat choroid plexus protect against cerebral ischemia in adult rats. *NeuroReport*, **2004**, 15, 1543-7	1.7	52
433	Brain-derived Neurotrophic Factor Signaling Pathway: Modulation by Acupuncture in Telomerase Knockout Mice. *Alternative Therapies in Health and Medicine*, **2015**, 21, 36-46	2.5	52
432	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, 338-46	7.3	49
431	Traumatic brain injury precipitates cognitive impairment and extracellular A□aggregation in Alzheimer's disease transgenic mice. *PLoS ONE*, **2013**, 8, e78851	3.7	49
430	Intracerebral xenotransplantation of GFP mouse bone marrow stromal cells in intact and stroke rat brain: graft survival and immunologic response. *Cell Transplantation*, **2004**, 13, 283-94	4	49
429	Methamphetamine potentiates ischemia/reperfusion insults after transient middle cerebral artery ligation. *Stroke*, **2001**, 32, 775-82	6.7	49
428	Lithium chloride induces the expression of tyrosine hydroxylase in hNT neurons. *Experimental Neurology*, **1999**, 157, 251-8	5.7	49
427	Oxytocin modulates GABAR subunits to confer neuroprotection in stroke in vitro. *Scientific Reports*, **2016**, 6, 35659	4.9	48
426	Survival of rat and porcine Sertoli cell transplants in the rat striatum without cyclosporine-A immunosuppression. *Experimental Neurology*, **1997**, 146, 299-304	5.7	48
425	Hyperactivity and hypoactivity in a rat model of Huntington's disease: the systemic 3-nitropropionic acid model. *Brain Research Protocols*, **1997**, 1, 253-7		48

424	Blood-brain barrier alterations provide evidence of subacute diaschisis in an ischemic stroke rat model. *PLoS ONE*, **2013**, 8, e63553	3.7	47
423	Probiotics and Prebiotics as a Therapeutic Strategy to Improve Memory in a Model of Middle-Aged Rats. *Frontiers in Aging Neuroscience*, **2018**, 10, 416	5.3	47
422	Human Muse Cells Reconstruct Neuronal Circuitry in Subacute Lacunar Stroke Model. *Stroke*, **2017**, 48, 428-435	6.7	45
421	Stem cell-paved biobridge facilitates neural repair in traumatic brain injury. *Frontiers in Systems Neuroscience*, **2014**, 8, 116	3.5	45
420	Who's in favor of translational cell therapy for stroke: STEPS forward please?. *Cell Transplantation*, **2009**, 18, 691-3	4	45
419	Postischemic infusion of adrenomedullin protects against ischemic stroke by inhibiting apoptosis and promoting angiogenesis. *Experimental Neurology*, **2006**, 197, 521-30	5.7	45
418	Trophic factor secreting kidney cell lines: in vitro characterization and functional effects following transplantation in ischemic rats. *Brain Research*, **2001**, 900, 268-76	3.7	45
417	MicroRNA-133a and Myocardial Infarction. *Cell Transplantation*, **2019**, 28, 831-838	4	44
416	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, 739-51	5.4	44
415	Compromised blood-brain barrier competence in remote brain areas in ischemic stroke rats at the chronic stage. *Journal of Comparative Neurology*, **2014**, 522, 3120-37	3.4	44
414	Inflammation and stem cell migration to the injured brain in higher organisms. *Stem Cells and Development*, **2009**, 18, 693-702	4.4	44
413	Multiple intravenous administrations of human umbilical cord blood cells benefit in a mouse model of ALS. *PLoS ONE*, **2012**, 7, e31254	3.7	44
412	Human amniotic epithelial cells express melatonin receptor MT1, but not melatonin receptor MT2: a new perspective to neuroprotection. *Journal of Pineal Research*, **2011**, 50, 272-80	10.4	43
411	Transplantation of fetal kidney tissue reduces cerebral infarction induced by middle cerebral artery ligation. *Journal of Cerebral Blood Flow and Metabolism*, **1999**, 19, 1329-35	7.3	43
410	Role of Caspase-3-Mediated Apoptosis in Chronic Caspase-3-Cleaved Tau Accumulation and Blood-Brain Barrier Damage in the Corpus Callosum after Traumatic Brain Injury in Rats. *Journal of Neurotrauma*, **2018**, 35, 157-173	5.4	42
409	Melatonin as an Antioxidant for Stroke Neuroprotection. *Cell Transplantation*, **2016**, 25, 883-91	4	42
408	Ischemic stroke brain sends indirect cell death signals to the heart. *Stroke*, **2013**, 44, 3175-82	6.7	42
407	Novel cell therapy approaches for brain repair. *Progress in Brain Research*, **2006**, 157, 207-22	2.9	42

406	Neural transplantation for treatment of Parkinson's disease. *Drug Discovery Today*, **2002**, 7, 674-82	8.8	42
405	Spirulina promotes stem cell genesis and protects against LPS induced declines in neural stem cell proliferation. *PLoS ONE*, **2010**, 5, e10496	3.7	42
404	Recent preclinical evidence advancing cell therapy for Alzheimer's disease. *Experimental Neurology*, **2012**, 237, 142-6	5.7	41
403	Peripheral nerve repair with cultured schwann cells: getting closer to the clinics. *Scientific World Journal, The*, **2012**, 2012, 413091	2.2	41
402	Intracerebral xenografts of mouse bone marrow cells in adult rats facilitate restoration of cerebral blood flow and blood-brain barrier. *Brain Research*, **2004**, 1009, 26-33	3.7	40
401	Ex vivo gene therapy: transplantation of neurotrophic factor-secreting cells for cerebral ischemia. *Frontiers in Bioscience - Landmark*, **2006**, 11, 760-75	2.8	39
400	Striatal dopamine-mediated motor behavior is altered following occlusion of the middle cerebral artery. *Pharmacology Biochemistry and Behavior*, **1995**, 52, 225-9	3.9	39
399	Autophagic down-regulation in motor neurons remarkably prolongs the survival of ALS mice. *Neuropharmacology*, **2016**, 108, 152-60	5.5	39
398	Stem cell transplantation for neuroprotection in stroke. *Brain Sciences*, **2013**, 3, 239-61	3.4	38
397	Systemic, but not intraparenchymal, administration of 3-nitropropionic acid mimics the neuropathology of Huntington's disease: a speculative explanation. *Neuroscience Research*, **1997**, 28, 185-9	2.9	38
396	Limitations of intravenous human bone marrow CD133+ cell grafts in stroke rats. *Brain Research*, **2005**, 1048, 116-22	3.7	38
395	Humble beginnings with big goals: Small molecule soluble epoxide hydrolase inhibitors for treating CNS disorders. *Progress in Neurobiology*, **2019**, 172, 23-39	10.9	38
394	Intravenous infusion of GDNF gene-modified human umbilical cord blood CD34+ cells protects against cerebral ischemic injury in spontaneously hypertensive rats. *Brain Research*, **2010**, 1366, 217-25	3.7	37
393	Dietary supplementation exerts neuroprotective effects in ischemic stroke model. *Rejuvenation Research*, **2008**, 11, 201-14	2.6	37
392	(-)-nicotine protects against systemic kainic acid-induced excitotoxic effects. *Experimental Neurology*, **1995**, 136, 261-5	5.7	37
391	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	7.3	37
390	Recent progress in cell therapy for basal ganglia disorders with emphasis on menstrual blood transplantation in stroke. *Neuroscience and Biobehavioral Reviews*, **2012**, 36, 177-90	9	36
389	In vivo animal stroke models: a rationale for rodent and non-human primate models. *Translational Stroke Research*, **2013**, 4, 308-21	7.8	36

388	Influence of post-traumatic stress disorder on neuroinflammation and cell proliferation in a rat model of traumatic brain injury. *PLoS ONE*, **2013**, 8, e81585	3.7	36
387	Cell therapy for stroke: emphasis on optimizing safety and efficacy profile of endothelial progenitor cells. *Current Pharmaceutical Design*, **2012**, 18, 3731-4	3.3	36
386	Transplants of Encapsulated Rat Choroid Plexus Cells Exert Neuroprotection in a Rodent Model of Huntington's Disease. *Cell Transplantation*, **2007**, 16, 987-992	4	36
385	Transplantation of human umbilical cord blood cells benefits an animal model of Sanfilippo syndrome type B. *Stem Cells and Development*, **2005**, 14, 384-94	4.4	36
384	Transplantation of bone marrow-derived stem cells: a promising therapy for stroke. *Cell Transplantation*, **2007**, 16, 159-69	4	36
383	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	7	35
382	Striatal stimulation nurtures endogenous neurogenesis and angiogenesis in chronic-phase ischemic stroke rats. *Cell Transplantation*, **2011**, 20, 1049-64	4	35
381	Age of PISCES: stem-cell clinical trials in stroke. *Lancet, The*, **2016**, 388, 736-8	40	35
380	Mitochondrial targeting as a novel therapy for stroke. *Brain Circulation*, **2018**, 4, 84-94	2.7	35
379	A possible new focus for stroke treatment - migrating stem cells. *Expert Opinion on Biological Therapy*, **2015**, 15, 949-58	5.4	34
378	The neuroprotective role of acupuncture and activation of the BDNF signaling pathway. *International Journal of Molecular Sciences*, **2014**, 15, 3234-52	6.3	34
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376	Baby STEPS: a giant leap for cell therapy in neonatal brain injury. *Pediatric Research*, **2011**, 70, 3-9	3.2	33
375	Neurological disorders and the potential role for stem cells as a therapy. *British Medical Bulletin*, **2012**, 101, 163-81	5.4	33
374	Trophic factor induction of human umbilical cord blood cells in vitro and in vivo. *Journal of Neural Engineering*, **2007**, 4, 130-45	5	33
373	Combination treatment of hypothermia and mesenchymal stromal cells amplifies neuroprotection in primary rat neurons exposed to hypoxic-ischemic-like injury in vitro: role of the opioid system. *PLoS ONE*, **2012**, 7, e47583	3.7	32
372	Transplantation of post-mitotic human neuroteratocarcinoma-overexpressing Nurr1 cells provides therapeutic benefits in experimental stroke: in vitro evidence of expedited neuronal differentiation and GDNF secretion. *Journal of Neuroscience Research*, **2007**, 85, 1240-51	4.4	32
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