

CITATION REPORT

List of articles citing

A controlled cortical impact model of traumatic brain injury in the rat

DOI: 10.1016/0165-0270(91)90104-8
Journal of Neuroscience Methods, 1991, 39, 253-62.

Source: <https://exaly.com/paper-pdf/22380656/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
1009	Microtubule-associated protein 2 levels decrease in hippocampus following traumatic brain injury. 1992 , 9, 281-90		134
1008	Traumatic brain injury-induced excitotoxicity assessed in a controlled cortical impact model. 1993 , 61, 2015-24		336
1007	Therapeutic hypothermia is cytoprotective without attenuating the traumatic brain injury-induced elevations in interstitial concentrations of aspartate and glutamate. 1993 , 10, 363-72		92
1006	Unilateral cortical contusion injury in the rat: vascular disruption and temporal development of cortical necrosis. 1993 , 10, 135-49		156
1005	Increased anticholinergic sensitivity following closed skull impact and controlled cortical impact traumatic brain injury in the rat. 1994 , 11, 275-87		101
1004	Pathologic changes in mild head injury. 1994 , 14, 19-24		19
1003	Animate models of human head injury. 1994 , 11, 357-68		241
1002	Lateral cortical impact injury in rats: cerebrovascular effects of varying depth of cortical deformation and impact velocity. 1994 , 11, 573-85		95
1001	Regional levels of free fatty acids and Evans blue extravasation after experimental brain injury. 1994 , 11, 405-15		95
1000	Lateral cortical impact injury in rats: pathologic effects of varying cortical compression and impact velocity. 1994 , 11, 587-97		107
999	Increased expression of c-fos mRNA and AP-1 transcription factors after cortical impact injury in rats. 1994 , 664, 141-7		75
998	The rotarod test: an evaluation of its effectiveness in assessing motor deficits following traumatic brain injury. 1994 , 11, 187-96		500
997	Traumatic brain injury reduces hippocampal high-affinity [3H]choline uptake but not extracellular choline levels in rats. 1994 , 180, 127-30		54
996	Direct measurement of hydroxyl radicals, lipid peroxidation, and blood-brain barrier disruption following unilateral cortical impact head injury in the rat. 1994 , 11, 393-404		174
995	Neutrophil accumulation after traumatic brain injury in rats: comparison of weight drop and controlled cortical impact models. 1994 , 11, 499-506		241
994	Modification of the cortical impact model to produce axonal injury in the rat cerebral cortex. 1994 , 11, 599-612		71
993	Cytokines and metabolic dysfunction after severe head injury. 1994 , 11, 447-72		219

992	Workshop on animal models of traumatic brain injury. 1994 , 11, 723-32	109
991	Neurofilament 68 and neurofilament 200 protein levels decrease after traumatic brain injury. 1994 , 11, 533-45	138
990	Role of excitatory amino acid-mediated ionic fluxes in traumatic brain injury. 1995 , 5, 427-35	72
989	Regional Cerebral Blood Flow After Controlled Cortical Impact Injury in Rats. 1995 , 80, 687-695	1
988	Brain injury and tumor necrosis factors induce calbindin D-28k in astrocytes: evidence for a cytoprotective response. 1995 , 42, 357-70	120
987	Regional and temporal profiles of c-fos and nerve growth factor mRNA expression in rat brain after lateral cortical impact injury. 1995 , 42, 571-8	36
986	Induction of Fos protein in a model of closed head injury in rats. 1995 , 690, 48-54	3
985	Spatial memory deficits, increased phosphorylation of the transcription factor CREB, and induction of the AP-1 complex following experimental brain injury. 1995 , 15, 2030-9	95
984	Biomechanical analysis of experimental diffuse axonal injury. 1995 , 12, 689-94	197
983	Severe controlled cortical impact in rats: assessment of cerebral edema, blood flow, and contusion volume. 1995 , 12, 1015-25	166
982	Effect of hypoxia or hyperbaric oxygen on cerebral edema following moderate fluid percussion or cortical impact injury in rats. 1995 , 12, 77-85	21
981	Changes in gene expression following traumatic brain injury in the rat. 1995 , 12, 779-90	70
980	Regional cerebral blood flow after controlled cortical impact injury in rats. 1995 , 80, 687-95	101
979	Increased cortical nuclear factor-kappa B (NF-kappa B) DNA binding activity after traumatic brain injury in rats. 1995 , 197, 101-4	76
978	Basal and scopolamine-evoked release of hippocampal acetylcholine following traumatic brain injury in rats. 1995 , 198, 111-4	40
977	Cytoskeletal derangements following central nervous system injury: modulation by neurotrophic gene transfection. 1995 , 12, 933-41	26
976	Time course of increased vulnerability of cholinergic neurotransmission following traumatic brain injury in the rat. 1995 , 70, 125-31	67
975	Traumatic brain injury of the forelimb and hindlimb sensorimotor areas in the rat: physiological, histological and behavioral correlates. 1996 , 79, 79-92	64

974	Reference memory and allocentric spatial localization deficits after unilateral cortical brain injury in the rat. 1996 , 80, 185-94	21
973	Effect of difluoromethylornithine treatment on regional ornithine decarboxylase activity and edema formation after experimental brain injury. 1996 , 13, 85-92	27
972	Regional activity of ornithine decarboxylase and edema formation after traumatic brain injury. 1996 , 38, 140-5	34
971	Development and therapeutic potential of calpain inhibitors. 1997 , 37, 117-52	75
970	Reduced evoked release of acetylcholine in the rodent hippocampus following traumatic brain injury. 1996 , 53, 679-86	79
969	Deferoxamine improves spatial memory performance following experimental brain injury in rats. 1996 , 717, 109-17	70
968	Cerebral uric acid increases following experimental traumatic brain injury in rat. 1996 , 733, 287-91	30
967	Delayed, selective neuronal death following experimental cortical impact injury in rats: possible role in memory deficits. 1996 , 739, 111-9	172
966	Apoptotic morphology of dentate gyrus granule cells following experimental cortical impact injury in rats: possible role in spatial memory deficits. 1996 , 739, 120-31	189
965	Increased expression of brain-derived neurotrophic factor but not neurotrophin-3 mRNA in rat brain after cortical impact injury. 1996 , 44, 157-64	86
964	Intermediate filament change in astrocytes following mild cortical contusion. 1996 , 16, 266-75	73
963	Mild posttraumatic hypothermia reduces mortality after severe controlled cortical impact in rats. 1996 , 16, 253-61	128
962	An alternative method for the quantitation of neuronal damage after experimental middle cerebral artery occlusion in rats: analysis of behavioral deficit. 1996 , 16, 705-13	85
961	Diminished microtubule-associated protein 2 (MAP2) immunoreactivity following cortical impact brain injury. 1996 , 13, 125-37	73
960	Treatment of experimental brain injury with moderate hypothermia and 21-aminosteroids. 1996 , 13, 139-47	84
959	Mild pre- and posttraumatic hypothermia attenuates blood-brain barrier damage following controlled cortical impact injury in the rat. 1996 , 13, 1-9	165
958	A new experimental model of contusion in the rat. Histopathological analysis and temporal patterns of cerebral blood flow disturbances. 1996 , 85, 860-70	14
957	A model of diffuse traumatic brain injury in the immature rat. 1996 , 85, 877-84	85

956	Immunohistochemical study of calpain-mediated breakdown products to alpha-spectrin following controlled cortical impact injury in the rat. 1997 , 14, 369-83	107
955	Effects of CDP-choline treatment on neurobehavioral deficits after TBI and on hippocampal and neocortical acetylcholine release. 1997 , 14, 161-9	115
954	Early neuropathologic effects of mild or moderate hypoxemia after controlled cortical impact injury in rats. 1997 , 14, 179-89	159
953	Neuronal cell loss in the CA3 subfield of the hippocampus following cortical contusion utilizing the optical disector method for cell counting. 1997 , 14, 385-98	128
952	Paradoxical effects of acute ethanolism in experimental brain injury. 1997 , 86, 876-82	67
951	Morris water maze deficits in rats following traumatic brain injury: lateral controlled cortical impact. 1997 , 14, 615-27	198
950	The effect of brain temperature on acute inflammation after traumatic brain injury in rats. 1997 , 14, 561-72	76
949	Apoptosis-suppressor gene bcl-2 expression after traumatic brain injury in rats. 1997 , 17, 9172-82	213
948	Motor and cognitive functional deficits following diffuse traumatic brain injury in the immature rat. 1997 , 14, 99-108	103
947	Nerve growth factor attenuates cholinergic deficits following traumatic brain injury in rats. 1997 , 146, 479-90	100
946	Some functional recovery and behavioral sparing occurs independent of task-specific practice after injury to the rat's sensorimotor cortex. 1997 , 89, 51-9	21
945	The biphasic opening of the blood-brain barrier in the cortex and hippocampus after traumatic brain injury in rats. 1997 , 226, 33-6	252
944	A calpain inhibitor attenuates cortical cytoskeletal protein loss after experimental traumatic brain injury in the rat. 1997 , 77, 875-88	150
943	XVIIIth International Symposium on Cerebral Blood Flow and Metabolism. 1997 , 17, S1-S806	
942	Effect of hypothermia, dichloroacetate, and deferoxamine in the treatment for cortical edema and functional recovery after experimental cortical impact in the rat. 1997 , 4, 33-9	9
941	Assessment of cerebral blood flow and CO ₂ reactivity after controlled cortical impact by perfusion magnetic resonance imaging using arterial spin-labeling in rats. 1997 , 17, 865-74	68
940	Reduced evoked release of acetylcholine in the rodent neocortex following traumatic brain injury. 1997 , 749, 127-30	58
939	Evaluation of learning and memory dysfunction and histological findings in rats with chronic stage contusion and diffuse axonal injury. 1997 , 752, 151-60	17

938	Histological markers of neuronal, axonal and astrocytic changes after lateral rigid impact traumatic brain injury. 1997 , 761, 25-41		72
937	Serum extravasation and cytoskeletal alterations following traumatic brain injury in rats. Comparison of lateral fluid percussion and cortical impact models. 1997 , 32, 1-16		60
936	The time course and regional variations of lipid peroxidation after diffuse brain injury in rats. 1997 , 139, 464-8		27
935	Ladder beam and camera video recording system for evaluating forelimb and hindlimb deficits after sensorimotor cortex injury in rats. <i>Journal of Neuroscience Methods</i> , 1997 , 78, 75-83	3	58
934	Immunoblot analyses of the relative contributions of cysteine and aspartic proteases to neurofilament breakdown products following experimental brain injury in rats. 1998 , 23, 1265-76		31
933	Subcellular localization and duration of mu-calpain and m-calpain activity after traumatic brain injury in the rat: a casein zymography study. 1998 , 18, 161-7		37
932	BCL-2 overexpression attenuates cortical cell loss after traumatic brain injury in transgenic mice. 1998 , 18, 1259-69		114
931	Increased ornithine decarboxylase activity and protein level in the cortex following traumatic brain injury in rats. 1998 , 783, 163-6		11
930	Focal brain injury and its effects on cerebral mantle, neurons, and fiber tracks. 1998 , 794, 1-18		26
929	Traumatic brain injury causes delayed motor and cognitive impairment in a mutant mouse strain known to exhibit delayed Wallerian degeneration. 1998 , 53, 718-27		44
928	Modelling recovery of cognitive function after traumatic brain injury: spatial navigation in the Morris water maze after complete or partial transections of the perforant path in rats. 1998 , 96, 13-35		23
927	pH dependency of mu-calpain and m-calpain activity assayed by casein zymography following traumatic brain injury in the rat. 1998 , 247, 53-7		25
926	Traumatic brain injury in rats results in increased expression of Gap-43 that correlates with behavioral recovery. 1998 , 255, 83-6		68
925	Chronic effects of traumatic brain injury on hippocampal vesicular acetylcholine transporter and M2 muscarinic receptor protein in rats. 1998 , 152, 11-9		42
924	Sustained sensory/motor and cognitive deficits with neuronal apoptosis following controlled cortical impact brain injury in the mouse. 1998 , 15, 599-614		266
923	Adaptation of the fluid percussion injury model to the mouse. 1998 , 15, 217-29		130
922	72-kDa heat shock protein and mRNA expression after controlled cortical impact injury with hypoxemia in rats. 1998 , 15, 171-81		34
921	Protective effects of aptiganel HCl (Cerestat) following controlled cortical impact injury in the rat. 1998 , 15, 191-7		44

920	Mechanisms of excitatory amino acid release in contused brain tissue: effects of hypothermia and in situ administration of Co ²⁺ on extracellular levels of glutamate. 1998 , 15, 655-64	32
919	Temporal effect of severe controlled cortical impact injury in the rat on the myogenic response of the middle cerebral artery. 1998 , 15, 973-84	23
918	Reduced reactivity of the middle cerebral artery and its large branches after cold lesion. 1998 , 15, 1067-75	6
917	Moderate hypothermia for 48 hours after temporary epidural brain compression injury in a canine outcome model. 1998 , 15, 323-36	29
916	Protective effects of moderate hypothermia on behavioral deficits but not necrotic cavitation following cortical impact injury in the rat. 1998 , 15, 95-103	112
915	Hyperglycemia increases neurological damage and behavioral deficits from post-traumatic secondary ischemic insults. 1998 , 15, 307-21	51
914	Endothelial-mediated dilations following severe controlled cortical impact injury in the rat middle cerebral artery. 1998 , 15, 635-44	20
913	Cerebrovascular reactivity to CO ₂ and hypotension after mild cortical impact injury. 1999 , 277, H1457-66	27
912	Inducible nitric oxide synthase is an endogenous neuroprotectant after traumatic brain injury in rats and mice. 1999 , 104, 647-56	179
911	Scanning electron microscopy of the floor of the fourth ventricle in rats subjected to graded impact injury to the sensorimotor cortex. 1999 , 90, 734-42	4
910	Effect of cerebral perfusion pressure on contusion volume following impact injury. 1999 , 90, 520-6	62
909	Biomechanics of Brain and Spinal-Cord Injury: Analysis of Neuropathologic and Neurophysiology Experiments. 1999 , 1, 35-43	32
908	Traumatic injury to rat brain upregulates neuronal nitric oxide synthase expression and L-[³ H]nitroarginine binding. 1999 , 16, 865-77	47
907	Altered calpastatin protein levels following traumatic brain injury in rat. 1999 , 16, 1-11	13
906	One-year study of spatial memory performance, brain morphology, and cholinergic markers after moderate controlled cortical impact in rats. 1999 , 16, 109-22	234
905	Differential effects of traumatic brain injury on vesicular acetylcholine transporter and M2 muscarinic receptor mRNA and protein in rat. 1999 , 16, 555-66	33
904	Expression of cell cycle proteins (cyclin D1 and cdk4) after controlled cortical impact in rat brain. 1999 , 16, 1187-96	13
903	Differential acute and chronic responses of tumor necrosis factor-deficient mice to experimental brain injury. 1999 , 96, 8721-6	337

902	Liposome-mediated NGF gene transfection following neuronal injury: potential therapeutic applications. 1999 , 6, 994-1005	56
901	Increased vulnerability of NFH-LacZ transgenic mouse to traumatic brain injury-induced behavioral deficits and cortical damage. 1999 , 19, 762-70	44
900	Pontine axonal injury after brain trauma and nontraumatic hypoxic-ischemic brain damage. 1999 , 112, 261-7	29
899	Apoptosis and expression of p53 response proteins and cyclin D1 after cortical impact in rat brain. 1999 , 818, 23-33	115
898	Expression of nestin after traumatic brain injury in rat brain. 1999 , 840, 153-7	106
897	Animal models of traumatic brain injury in the immature: a review. 1999 , 51, 130-6	28
896	In vivo analysis of microcirculation following closed soft-tissue injury. 1999 , 17, 678-85	76
895	Overexpression of Bcl-2 is neuroprotective after experimental brain injury in transgenic mice. 1999 , 412, 681-92	67
894	Validation of a controlled cortical impact model of head injury in mice. 1999 , 16, 1103-14	49
893	Changes of cerebral energy metabolism and lipid peroxidation in rats leading to mitochondrial dysfunction after diffuse brain injury. 1999 , 16, 903-13	101
892	Lubeluzole following traumatic brain injury in the rat. 1999 , 16, 629-37	20
891	The consequences of traumatic brain injury on cerebral blood flow and autoregulation: a review. 1999 , 21, 299-332	113
890	Potential role of calcineurin for brain ischemia and traumatic injury. 1999 , 58, 1-30	115
889	Neutrophils do not mediate blood-brain barrier permeability early after controlled cortical impact in rats. 1999 , 16, 583-94	57
888	Severity of experimental brain injury on lactate and free fatty acid accumulation and Evans blue extravasation in the rat cortex and hippocampus. 1999 , 16, 455-69	36
887	Behavioral responses of C57BL/6, FVB/N, and 129/SvEMS mouse strains to traumatic brain injury: implications for gene targeting approaches to neurotrauma. 1999 , 16, 377-89	83
886	Genetic approaches to neurotrauma research: opportunities and potential pitfalls of murine models. 1999 , 157, 19-42	130
885	Temporal profile of apoptotic-like changes in neurons and astrocytes following controlled cortical impact injury in the rat. 1999 , 158, 76-88	135

884	Contribution of polyamine oxidase to brain injury after trauma. 1999 , 90, 1078-82	37
883	Cerebral Perfusion Pressure and Contusion Volume. 2000 , 93,	
882	sigma(1)-receptor ligand 4-phenyl-1-(4-phenylbutyl)-piperidine affords neuroprotection from focal ischemia with prolonged reperfusion. 2000 , 31, 976-82	49
881	Changes in spinal cord function caused by injuries at different levels of the lumbar spinal cord. 2000 , 11, 2163-6	1
880	No long-term benefit from hypothermia after severe traumatic brain injury with secondary insult in rats. 2000 , 28, 3218-23	35
879	Biochemical, cellular, and molecular mechanisms in the evolution of secondary damage after severe traumatic brain injury in infants and children: Lessons learned from the bedside. 2000 , 1, 4-19	189
878	Effects of dopamine on posttraumatic cerebral blood flow, brain edema, and cerebrospinal fluid glutamate and hypoxanthine concentrations. 2000 , 28, 3792-8	40
877	Effect of neutropenia and granulocyte colony stimulating factor-induced neutrophilia on blood-brain barrier permeability and brain edema after traumatic brain injury in rats. 2000 , 28, 3710-7	39
876	Custom-made AO unreamed interlocked tibial nails. 2000 , 18, 682-3	
875	Expression of Fas and Fas ligand after experimental traumatic brain injury in the rat. 2000 , 20, 669-77	104
874	L-arginine partially restores the diminished CO ₂ reactivity after mild controlled cortical impact injury in the adult rat. 2000 , 20, 820-8	23
873	Evaluation of combined fibroblast growth factor-2 and moderate hypothermia therapy in traumatically brain injured rats. 2000 , 887, 134-43	45
872	Models of Traumatic Brain Injury. 2000 , 26, 95-110	51
871	S-100B protein serum levels after controlled cortical impact injury in the rat. 2000 , 142, 199-203	30
870	Neuroprotective effect of melatonin on cortical impact injury in the rat. 2000 , 142, 1293-9	574
869	Attenuation of brain edema, blood-brain barrier breakdown, and injury volume by ifenprodil, a polyamine-site N-methyl-D-aspartate receptor antagonist, after experimental traumatic brain injury in rats. 2000 , 47, 399-404; discussion 404-6	76
868	Brain nitric oxide changes after controlled cortical impact injury in rats. 2000 , 83, 2171-8	105
867	Effects of matrix metalloproteinase-9 gene knock-out on morphological and motor outcomes after traumatic brain injury. 2000 , 20, 7037-42	319

866	Ethanol reduces metabolic uncoupling following experimental head injury. 2000 , 17, 261-72	77
865	Long-term dysfunction following diffuse traumatic brain injury in the immature rat. 2000 , 17, 273-82	68
864	Improvement in mitochondrial dysfunction as a new surrogate efficiency measure for preclinical trials: dose-response and time-window profiles for administration of the calcium channel blocker Ziconotide in experimental brain injury. 2000 , 93, 829-34	43
863	Isoflurane improves long-term neurologic outcome versus fentanyl after traumatic brain injury in rats. 2000 , 17, 1179-89	82
862	Application of 2,3,5-triphenyltetrazolium chloride staining to evaluate injury volume after controlled cortical impact brain injury: role of brain edema in evolution of injury volume. 2000 , 17, 93-9	38
861	Neuroprotective effects of citicoline on brain edema and blood-brain barrier breakdown after traumatic brain injury. 2000 , 92, 448-52	64
860	Light and confocal microscopic studies of evolutionary changes in neurofilament proteins following cortical impact injury in the rat. 2000 , 161, 15-26	30
859	Conditioning effects of repetitive mild neurotrauma on motor function in an animal model of focal brain injury. 2000 , 99, 93-105	68
858	Chronic methylphenidate treatment enhances water maze performance following traumatic brain injury in rats. 2000 , 280, 163-6	99
857	Effects of subdural haematoma on sensorimotor functioning and spatial learning in rats. 2000 , 39, 817-34	9
856	Rapid and widespread microglial activation induced by traumatic brain injury in rat brain slices. 2000 , 17, 185-92	73
855	Assessment of Agents for the Treatment of Head Injury. 2000 , 13, 139-154	10
854	Regional expression and role of cyclooxygenase-2 following experimental traumatic brain injury. 2000 , 17, 69-81	107
853	Detection of single- and double-strand DNA breaks after traumatic brain injury in rats: comparison of in situ labeling techniques using DNA polymerase I, the Klenow fragment of DNA polymerase I, and terminal deoxynucleotidyl transferase. 2001 , 18, 675-89	56
852	Regional vulnerability after traumatic brain injury: gender differences in mice that overexpress human copper, zinc superoxide dismutase. 2001 , 172, 332-41	58
851	Oxidative cellular damage and the reduction of APE/Ref-1 expression after experimental traumatic brain injury. 2001 , 8, 380-90	79
850	Assessment of sensorimotor and cognitive deficits induced by a moderate traumatic injury in the right parietal cortex of the rat. 2001 , 8, 1082-93	51
849	Induction of heat shock proteins and motor function deficits after focal cerebellar injury. 2001 , 102, 603-14	25

848	The selective 5-HT(1A) receptor agonist repinotan HCl attenuates histopathology and spatial learning deficits following traumatic brain injury in rats. 2001 , 106, 547-55	69
847	Pharmacological treatment of traumatic brain injury: a review of agents in development. 2001 , 15, 553-81	31
846	Potentiated endothelium-derived hyperpolarizing factor-mediated dilations in cerebral arteries following mild head injury. 2001 , 18, 691-7	27
845	Contrasting effects of dopamine therapy in experimental brain injury. 2001 , 18, 1359-72	20
844	Intraarterial administration of marrow stromal cells in a rat model of traumatic brain injury. 2001 , 18, 813-9	187
843	Treatment of Traumatic Brain Injury in Female Rats with Intravenous Administration of Bone Marrow Stromal Cells. 2001 , 49, 1196-1204	152
842	Adult bone marrow stromal cells administered intravenously to rats after traumatic brain injury migrate into brain and improve neurological outcome. 2001 , 12, 559-63	282
841	Tyrosine hydroxylase, but not dopamine beta-hydroxylase, is increased in rat frontal cortex after traumatic brain injury. 2001 , 12, 2323-7	53
840	Treatment of Traumatic Brain Injury in Female Rats with Intravenous Administration of Bone Marrow Stromal Cells. 2001 , 49, 1196-1204	3
839	Bone marrow transplantation. 2001 , 94, 683-5	
838	Temporal and spatial profile of caspase 8 expression and proteolysis after experimental traumatic brain injury. 2001 , 78, 862-73	53
837	Accumulation of non-erythroid alpha II-spectrin and calpain-cleaved alpha II-spectrin breakdown products in cerebrospinal fluid after traumatic brain injury in rats. 2001 , 78, 1297-306	150
836	Biocompatibility of methylcellulose-based constructs designed for intracerebral gelation following experimental traumatic brain injury. 2001 , 22, 1113-23	195
835	Brain remodeling due to neuronal and astrocytic proliferation after controlled cortical injury in mice. 2001 , 66, 317-26	252
834	Enhanced neurogenesis in the rodent hippocampus following traumatic brain injury. 2001 , 63, 313-9	340
833	Early expression of glutamate transporter proteins in ramified microglia after controlled cortical impact injury in the rat. 2001 , 35, 167-79	103
832	Oxidative stress-dependent release of mitochondrial cytochrome c after traumatic brain injury. 2001 , 21, 914-20	70
831	Impaired motor learning and diffuse axonal damage in motor and visual systems of the rat following traumatic brain injury. 2001 , 23, 193-202	55

830	Injury severity and sensitivity to treatment after controlled cortical impact in rats. 2001 , 18, 175-86	24
829	Intracranial bone marrow transplantation after traumatic brain injury improving functional outcome in adult rats. 2001 , 94, 589-95	137
828	Blunt Trauma Models. 2001 , 347-356	
827	Mild head injury increasing the brain's vulnerability to a second concussive impact. 2001 , 95, 859-70	233
826	Treatment window for hypothermia in brain injury. 2001 , 95, 979-83	90
825	The simple model versus the super model: translating experimental traumatic brain injury research to the bedside. 2001 , 18, 1195-206	94
824	Neuron-specific enolase serum levels after controlled cortical impact injury in the rat. 2001 , 18, 569-73	30
823	Changes in expression of amyloid precursor protein and interleukin-1beta after experimental traumatic brain injury in rats. 2002 , 19, 1555-67	81
822	Intracerebral transplantation of marrow stromal cells cultured with neurotrophic factors promotes functional recovery in adult rats subjected to traumatic brain injury. 2002 , 19, 1609-17	148
821	Attenuation of working memory and spatial acquisition deficits after a delayed and chronic bromocriptine treatment regimen in rats subjected to traumatic brain injury by controlled cortical impact. 2002 , 19, 415-25	126
820	Repeated mild injury causes cumulative damage to hippocampal cells. 2002 , 125, 2699-709	68
819	Reversal of attenuation of cerebrovascular reactivity to hypercapnia by a nitric oxide donor after controlled cortical impact in a rat model of traumatic brain injury. 2002 , 97, 963-9	21
818	Graded contusion model of the mouse spinal cord using a pneumatic impact device. 2002 , 50, 1075-81; discussion 1081-2	29
817	Traumatic brain injury reduces dopamine transporter protein expression in the rat frontal cortex. 2002 , 13, 1899-901	58
816	Transplanted Neural Stem Cells Survive, Differentiate, and Improve Neurological Motor Function after Experimental Traumatic Brain Injury. 2002 , 51, 1043-1054	11
815	Graded Contusion Model of the Mouse Spinal Cord Using a Pneumatic Impact Device. 2002 , 50, 1075-1082	22
814	Transplanted neural stem cells survive, differentiate, and improve neurological motor function after experimental traumatic brain injury. 2002 , 51, 1043-52; discussion 1052-4	188
813	Neural and marrow-derived stromal cell sphere transplantation in a rat model of traumatic brain injury. 2002 , 97, 935-40	48

812	Akt phosphorylation and neuronal survival after traumatic brain injury in mice. 2002 , 9, 294-304	118
811	Traumatic brain injury. 2002 , 39, 679-89	89
810	Cardiovascular activity1. 2002 , 26-276	
809	Brain-Injury Biomechanics. 2002 , 277-302	9
808	Conventional and functional proteomics using large format two-dimensional gel electrophoresis 24 hours after controlled cortical impact in postnatal day 17 rats. 2002 , 19, 715-40	72
807	Altered expression of novel genes in the cerebral cortex following experimental brain injury. 2002 , 104, 148-58	108
806	The role of extracellular signal-regulated kinase in cognitive and motor deficits following experimental traumatic brain injury. 2002 , 114, 755-67	68
805	Impaired motor activity and motor learning function in rat with middle cerebral artery occlusion. 2002 , 132, 29-36	43
804	The neurophysiology of concussion. 2002 , 67, 281-344	259
803	Protective effects of the 5-HT1A receptor agonist 8-hydroxy-2-(di-n-propylamino)tetralin against traumatic brain injury-induced cognitive deficits and neuropathology in adult male rats. 2002 , 333, 179-82	45
802	Intervention with environmental enrichment after experimental brain trauma enhances cognitive recovery in male but not female rats. 2002 , 334, 165-8	84
801	Repetitive mild brain trauma accelerates Abeta deposition, lipid peroxidation, and cognitive impairment in a transgenic mouse model of Alzheimer amyloidosis. 2002 , 22, 446-54	283
800	Intravenous Administration of Human Umbilical Cord Blood Reduces Neurological Deficit in the Rat after Traumatic Brain Injury. 2002 , 11, 275-281	228
799	Fibronectin Promotes Survival and Migration of Primary Neural Stem Cells Transplanted into the Traumatically Injured Mouse Brain. 2002 , 11, 283-295	124
798	Effects of antioxidant, OPC-14117, on secondary cellular damage and behavioral deficits following cortical contusion in the rat. 2002 , 934, 117-24	22
797	Acute systemic administration of interleukin-10 suppresses the beneficial effects of moderate hypothermia following traumatic brain injury in rats. 2002 , 937, 22-31	60
796	High-density microarray analysis of hippocampal gene expression following experimental brain injury. 2002 , 67, 646-63	153
795	N-methyl-D-aspartate receptors: transient loss of NR1/NR2A/NR2B subunits after traumatic brain injury in a rodent model. 2002 , 67, 781-6	63

794	Human bone marrow stromal cell cultures conditioned by traumatic brain tissue extracts: growth factor production. 2002 , 69, 687-91		250
793	Temporal profile and cell subtype distribution of activated caspase-3 following experimental traumatic brain injury. 2000 , 75, 1264-73		118
792	Oxidative stress following traumatic brain injury in rats: quantitation of biomarkers and detection of free radical intermediates. 2000 , 75, 2178-89		179
791	Regional levels of lactate and norepinephrine after experimental brain injury. 1994 , 63, 1086-94		65
790	mu-calpain activation and calpain-mediated cytoskeletal proteolysis following traumatic brain injury. 1996 , 67, 1575-83		119
789	Up-regulation of type 2 iodothyronine deiodinase mRNA in reactive astrocytes following traumatic brain injury in the rat. 1998 , 71, 887-90		23
788	Increased expression of apolipoprotein D following experimental traumatic brain injury. 1999 , 73, 1615-25		55
787	Temporal and spatial profile of Bid cleavage after experimental traumatic brain injury. 2002 , 22, 951-8		31
786	Late outcome following central nervous system injury in child abuse. 2003 , 19, 69-81		9
785	Neuropathological and biochemical features of traumatic injury in the developing brain. 2003 , 5, 475-90		28
784	Neurotrophic Factors. 2003 , 29, 335-355		11
783	Real-time PCR quantitation of FE65 a beta-amyloid precursor protein-binding protein after traumatic brain injury in rats. 2003 , 117, 153-9		31
782	Global test statistics for treatment effect of stroke and traumatic brain injury in rats with administration of bone marrow stromal cells. <i>Journal of Neuroscience Methods</i> , 2003 , 128, 183-90	3	75
781	Comparative analysis of mRNA levels in the frontal cortex and the hippocampus in the basal state and in response to experimental brain injury. 2003 , 29, 118-31		46
780	Segmental vascular resistance after mild controlled cortical impact injury in the rat. 2003 , 23, 210-8		13
779	Novel diketopiperazine enhances motor and cognitive recovery after traumatic brain injury in rats and shows neuroprotection in vitro and in vivo. 2003 , 23, 342-54		64
778	Differential effects of atrial natriuretic peptide on the brain water and sodium after experimental cortical contusion in the rat. 2003 , 23, 1212-8		23
777	Basic science of closed head injuries and spinal cord injuries. 2003 , 22, 467-81		13

776	Time course of cellular pathology after controlled cortical impact injury. 2003 , 182, 87-102	189
775	Expression of cytochromes P450 4F4 and 4F5 in infection and injury models of inflammation. 2003 , 1619, 325-31	25
774	Mechanical stretch to neurons results in a strain rate and magnitude-dependent increase in plasma membrane permeability. 2003 , 20, 1039-49	160
773	Moderate controlled cortical contusion in pigs: effects on multi-parametric neuromonitoring and clinical relevance. 2003 , 20, 1293-305	38
772	Small volume hypertonic hydroxyethyl starch reduces acute microvascular dysfunction after closed soft-tissue trauma. 2003 , 85, 126-32	31
771	Age-dependent differences in glutathione peroxidase activity after traumatic brain injury. 2003 , 20, 437-45	73
770	L-arginine and free radical scavengers increase cerebral blood flow and brain tissue nitric oxide concentrations after controlled cortical impact injury in rats. 2003 , 20, 77-85	48
769	Profile of gene expression in the subventricular zone after traumatic brain injury. 2003 , 20, 1147-62	17
768	Differential effects of traumatic brain injury on the cytochrome p450 system: a perspective into hepatic and renal drug metabolism. 2003 , 20, 1339-50	56
767	A novel dehydroepiandrosterone analog improves functional recovery in a rat traumatic brain injury model. 2003 , 20, 463-76	43
766	Neuroimaging of animal models of brain disease. 2003 , 65, 235-57	33
765	Regulation of aquaporin-4 in a traumatic brain injury model in rats. 2003 , 98, 565-9	105
764	Treatment of traumatic brain injury in adult rats with intravenous administration of human bone marrow stromal cells. 2003 , 53, 697-702; discussion 702-3	278
763	Upregulation of neurogenesis and reduction in functional deficits following administration of DEtA/NONOate, a nitric oxide donor, after traumatic brain injury in rats. 2003 , 99, 351-61	78
762	Acute etomidate treatment reduces cognitive deficits and histopathology in rats with traumatic brain injury. 2003 , 31, 2222-7	33
761	Moderate hypothermia may be detrimental after traumatic brain injury in fentanyl-anesthetized rats. 2003 , 31, 1134-9	19
760	Role of the bcl-2 gene after contusive spinal cord injury in mice. 2003 , 53, 192-8; discussion 198	21
759	Expression of the prodynorphin gene after experimental brain injury and its role in behavioral dysfunction. 2003 , 228, 261-9	17

758	Development of a rat model of graded contusive spinal cord injury using a pneumatic impact device. 2004 , 19, 574-80	11
757	Atorvastatin reduction of intracranial hematoma volume in rats subjected to controlled cortical impact. 2004 , 101, 822-5	33
756	Proteomics studies of traumatic brain injury. 2004 , 61, 215-40	24
755	The therapeutic efficacy conferred by the 5-HT(1A) receptor agonist 8-Hydroxy-2-(di-n-propylamino)tetralin (8-OH-DPAT) after experimental traumatic brain injury is not mediated by concomitant hypothermia. 2004 , 21, 175-85	48
754	Atorvastatin reduces neurological deficit and increases synaptogenesis, angiogenesis, and neuronal survival in rats subjected to traumatic brain injury. 2004 , 21, 21-32	170
753	A novel marker for traumatic brain injury: CSF alphaII-spectrin breakdown product levels. 2004 , 21, 1443-56	110
752	A review and rationale for the use of cellular transplantation as a therapeutic strategy for traumatic brain injury. 2004 , 21, 1501-38	60
751	Ex vivo gene therapy using targeted engraftment of NGF-expressing human NT2N neurons attenuates cognitive deficits following traumatic brain injury in mice. 2004 , 21, 1723-36	77
750	Delayed thrombosis after traumatic brain injury in rats. 2004 , 21, 1756-66	67
749	Changes in rat cerebral mitochondrial succinate dehydrogenase activity after brain trauma. 2004 , 114, 217-27	10
748	Identification and characterization of heterogeneous neuronal injury and death in regions of diffuse brain injury: evidence for multiple independent injury phenotypes. 2004 , 24, 3543-53	99
747	Neuron-specific mRNA complexity responses during hippocampal apoptosis after traumatic brain injury. 2004 , 24, 2866-76	38
746	Atorvastatin reduction of intravascular thrombosis, increase in cerebral microvascular patency and integrity, and enhancement of spatial learning in rats subjected to traumatic brain injury. 2004 , 101, 813-21	76
745	Comparison of tetrahydrobiopterin and L-arginine on cerebral blood flow after controlled cortical impact injury in rats. 2004 , 21, 1196-203	15
744	Comparison of behavioral deficits and acute neuronal degeneration in rat lateral fluid percussion and weight-drop brain injury models. 2004 , 21, 521-39	139
743	Cell-specific upregulation of survivin after experimental traumatic brain injury in rats. 2004 , 21, 1183-95	30
742	Bromocriptine reduces lipid peroxidation and enhances spatial learning and hippocampal neuron survival in a rodent model of focal brain trauma. 2004 , 21, 1712-22	75
741	Effects of injury severity on regional and temporal mRNA expression levels of calpains and caspases after traumatic brain injury in rats. 2004 , 21, 829-41	25

740	Increased cerebral uptake and oxidation of exogenous betaHB improves ATP following traumatic brain injury in adult rats. 2004 , 90, 666-72	85
739	Experimental Device for Simulating Traumatic Brain Injury Resulting from Linear Accelerations. 2004 , 40, 180-192	21
738	Nitric oxide in traumatic brain injury. 2004 , 14, 195-201	138
737	Apoptotic neurodegeneration in the context of traumatic injury to the developing brain. 2004 , 56, 83-9	38
736	Evaluation of estrous cycle stage and gender on behavioral outcome after experimental traumatic brain injury. 2004 , 998, 113-21	109
735	Efficiency of small-volume resuscitation in restoration of disturbed skeletal muscle microcirculation after soft-tissue trauma and haemorrhagic shock. 2004 , 389, 40-5	12
734	Experimental traumatic brain injury in rats stimulates the expression, production and activity of Alzheimer's disease beta-secretase (BACE-1). 2004 , 111, 523-36	143
733	Common patterns of bcl-2 family gene expression in two traumatic brain injury models. 2004 , 6, 333-42	26
732	Motor and cognitive function evaluation following experimental traumatic brain injury. 2004 , 28, 365-78	234
731	Post-trauma administration of caffeine plus ethanol reduces contusion volume and improves working memory in rats. 2004 , 21, 1573-83	42
730	Intravenous administration of marrow stromal cells (MSCs) increases the expression of growth factors in rat brain after traumatic brain injury. 2004 , 21, 33-9	293
729	Edema and brain trauma. 2004 , 129, 1021-9	616
728	The protective role of cellular glutathione peroxidase against trauma-induced mitochondrial dysfunction in the mouse brain. 2004 , 13, 129-37	36
727	Marrow stromal cell transplantation after traumatic brain injury promotes cellular proliferation within the brain. 2004 , 55, 1185-93	195
726	Supernatant of traumatized muscle induces inflammation and pain, but not microcirculatory perfusion failure and apoptotic cell death. 2005 , 24, 219-25	12
725	Cyclooxygenase-2-specific inhibitor improves functional outcomes, provides neuroprotection, and reduces inflammation in a rat model of traumatic brain injury. 2005 , 56, 590-604	93
724	Human marrow stromal cell treatment provides long-lasting benefit after traumatic brain injury in rats. 2005 , 57, 1026-31; discussion 1026-31	109
723	Caspase 7: increased expression and activation after traumatic brain injury in rats. 2005 , 94, 97-108	38

722	Controlled cortical impact injury affects dopaminergic transmission in the rat striatum. 2005 , 95, 457-65	111
721	Cellular proliferation and migration following a controlled cortical impact in the mouse. 2005 , 1053, 38-53	127
720	Synaptosomal dopamine uptake in rat striatum following controlled cortical impact. 2005 , 80, 85-91	16
719	Protective effects of bone marrow stromal cell transplantation in injured rodent brain: synthesis of neurotrophic factors. 2005 , 80, 611-9	156
718	Sulforaphane enhances aquaporin-4 expression and decreases cerebral edema following traumatic brain injury. 2005 , 82, 499-506	136
717	Cell-specific DNA fragmentation may be attenuated by a survivin-dependent mechanism after traumatic brain injury in rats. 2005 , 167, 17-26	29
716	Intracranial pressure changes during fluid percussion, controlled cortical impact and weight drop injury in rats. 2005 , 147, 775-80; discussion 780	27
715	Proteases in Traumatic Brain Injury. 2005 , 79-108	4
714	Neurotrauma. 2005 , 95-127	
713	Neuroprotection: Where Are We Going?. 2005 , 237-265	
712	Effect of atorvastatin on spatial memory, neuronal survival, and vascular density in female rats after traumatic brain injury. 2005 , 103, 695-701	47
711	A New Experimental Framework for the Examination of Acute Dysfunction in Traumatic Neural Injury.	
710	Plastic reorganization of hippocampal and neocortical circuitry in experimental traumatic brain injury in the immature rat. 2005 , 22, 989-1002	21
709	Erythropoietin enhances neurogenesis and restores spatial memory in rats after traumatic brain injury. 2005 , 22, 1011-7	211
708	Enhanced neurofibrillary tangle formation, cerebral atrophy, and cognitive deficits induced by repetitive mild brain injury in a transgenic tauopathy mouse model. 2005 , 22, 1134-41	103
707	Spatial and temporal characteristics of neurodegeneration after controlled cortical impact in mice: more than a focal brain injury. 2005 , 22, 252-65	242
706	Selective cyclooxygenase-2 inhibition reverses microcirculatory and inflammatory sequelae of closed soft-tissue trauma in an animal model. 2005 , 87, 153-60	19
705	The extent of damage following repeated injury to cultured hippocampal cells is dependent on the severity of insult and inter-injury interval. 2005 , 18, 421-31	31

704	Gender and environmental enrichment impact dopamine transporter expression after experimental traumatic brain injury. 2005 , 195, 475-83	65
703	Gender and environmental effects on regional brain-derived neurotrophic factor expression after experimental traumatic brain injury. 2005 , 135, 11-7	61
702	Experimental models of traumatic brain injury: do we really need to build a better mousetrap?. 2005 , 136, 971-89	256
701	Animal models of head trauma. 2005 , 2, 410-22	330
700	Rapid discovery of putative protein biomarkers of traumatic brain injury by SDS-PAGE-capillary liquid chromatography-tandem mass spectrometry. 2005 , 22, 629-44	53
699	Traumatic brain injury induced neuroprotection of retinal ganglion cells to optic nerve crush. 2006 , 23, 1072-82	13
698	Enhanced catecholamine synthesis in the prefrontal cortex after traumatic brain injury: implications for prefrontal dysfunction. 2006 , 23, 1094-102	61
697	Generation and detection of hydroxyl radical following experimental head injury. 1994 , 738, 15-24	40
696	Regionally distinct patterns of calpain activation and traumatic axonal injury following contusive brain injury in immature rats. 2006 , 28, 466-76	30
695	Physiologic progesterone reduces mitochondrial dysfunction and hippocampal cell loss after traumatic brain injury in female rats. 2006 , 197, 235-43	111
694	Caspase inhibition therapy abolishes brain trauma-induced increases in Abeta peptide: implications for clinical outcome. 2006 , 197, 437-50	76
693	Morris water maze search strategy analysis in PDAPP mice before and after experimental traumatic brain injury. 2006 , 197, 330-40	139
692	Plasticity after brain lesions. 228-247	1
691	In vivo models of traumatic brain injury. 366-374	
690	Behavioral testing in small-animal models: ischemic stroke. 154-172	1
689	Perceived Self-efficacy and Quality of Life in Traumatic Brain Injury. 2006 , 21, 408-409	3
688	Durable Medical Equipment Costs and Aging With Traumatic Brain Injury. 2006 , 21, 423	
687	Prospective Imaging of Mild Traumatic Brain Injury. 2006 , 21, 427-428	1

- 686 Cholinergic Treatment of Traumatic Brain Injury. **2006**, 1, 187-209 11
- 685 Traumatic Brain Injury and Functional Outcomes. **2006**, 21, 422-423 1
- 684 Postconcussion Symptoms in Traumatic Brain Injury at 6 Months Postinjury. **2006**, 21, 410-411
- 683 Nocardia Meningitis in a Marine Injured in Iraq. **2006**, 21, 413
- 682 Transitional Rehabilitation. **2006**, 21, 413-414
- 681 Correlation of Traumatic Brain Injury-Induced Strain With Cell Damage. **2006**, 21, 414
- 680 Homelessness and Acquired Brain Injury. **2006**, 21, 414-415
- 679 Spinal Cord Injury and Comorbid Brain Injury. **2006**, 21, 415 0
- 678 SF-36 vs Clinical Measures of Endurance Capacity. **2006**, 21, 416-417
- 677 Objective Methods to Evaluate Improved Function After Intervention for ABI-related Spasticity. **2006**, 21, 419
- 676 The Physical Abilities and Mobility Scale. **2006**, 21, 420 6
- 675 Effect of Age at Traumatic Brain Injury on Relative Risk of Mortality. **2006**, 21, 420-421
- 674 Pediatric Rehabilitation Outcome Based on Emergency Care. **2006**, 21, 423-424
- 673 Effects of Categorization Training in Traumatic Brain Injury Rehabilitation. **2006**, 21, 424-425
- 672 Problem-solving Abilities and Caregiver Adjustment. **2006**, 21, 426
- 671 Endocrine Abnormalities and Fatigue After Traumatic Brain Injury. **2006**, 21, 426-427 3
- 670 Impact of Marriage and Friends on Traumatic Brain Injury Return-to-work Behavior. **2006**, 21, 427
- 669 Mild Traumatic Brain Injury Symptoms After Emergency Department Discharge. **2006**, 21, 428-429

- 668 Test-retest Reliability of Event-related Potentials in Traumatic Brain Injury and Healthy. **2006**, 21, 430 2
- 667 Outcome of Minor Traumatic Brain Injury. **2006**, 21, 430-431
- 666 An Acute Posttraumatic Brain Injury Treatment Intervention. **2006**, 21, 431-432
- 665 Traumatic Brain Injury Caregiver Distress and Use of Support Services. **2006**, 21, 432-433 2
- 664 Long-term Mortality After Traumatic Brain Injury Rehabilitation. **2006**, 21, 413
- 663 Robotic Rehabilitation of Hand Function After Traumatic Brain Injury. **2006**, 21, 416
- 662 Treatment of Agitation With Propranolol. **2006**, 21, 416 1
- 661 Traumatic Brain Injury Service Linkage. **2006**, 21, 418 1
- 660 Web-based Intervention for Persons With Traumatic Brain Injury and Families. **2006**, 21, 418-419
- 659 The Cognitive and Linguistic Scale. **2006**, 21, 419-420 1
- 658 Fatigue in the First Year After Traumatic Brain Injury. **2006**, 21, 421
- 657 Resource Coordination. **2006**, 21, 432
- 656 Usefulness of the Abbreviated Injury Score. **2006**, 21, 409
- 655 The Upper Extremity Measurement Scale. **2006**, 21, 410 3
- 654 Longitudinal Investigation of the Postschool Transition. **2006**, 21, 421-422
- 653 Use Your Brain. **2006**, 21, 422
- 652 Social Communication Skills Training After Traumatic Brain Injury. **2006**, 21, 425
- 651 Supported Leisure Options. **2006**, 21, 426 3

650	Perceived Barriers to Accessing Health and Social Services Among Individuals With Traumatic Brain Injury. 2006 , 21, 431	5
649	Emergency Department Traumatic Brain Injury Follow-up/Services Referral. 2006 , 21, 408	3
648	Atomoxetine as a Neurostimulant in Severe Traumatic Brain Injury. 2006 , 21, 415	
647	Screening for Brain Injury in Schoolchildren. 2006 , 21, 424	4
646	Should We Do More Research on Treatments After Traumatic Brain Injury?. 2006 , 21, 409-410	1
645	AVPU as a Severity Score for Pediatric Traumatic Brain Injury. 2006 , 21, 411	1
644	Identification and Appropriate Service Delivery for Children Who Have TBI in Schools. 2006 , 21, 411-412	11
643	Participation in Home Management Activities Following Traumatic Brain Injury. 2006 , 21, 417-418	
642	Posttraumatic Irritability and Related Factors. 2006 , 21, 412-413	4
641	Establishing a Prognosis for Functional Outcome During Coma Recovery. 2006 , 21, 417	1
640	Minimizing Attrition in Traumatic Brain Injury. 2006 , 21, 429	
639	fMRI Changes With Cognitive Rehabilitation in Traumatic Brain Injury. 2006 , 21, 429	1
638	The effect of a lidocaine test dose on analgesia and mobility after an epidural combination of neostigmine and sufentanil in early labor. 2006 , 103, 1534-9	10
637	The effect of electroencephalogram-targeted high- and low-dose propofol infusion on histopathological damage after traumatic brain injury in the rat. 2006 , 103, 1527-33	10
636	Adenosine A1 receptor knockout mice develop lethal status epilepticus after experimental traumatic brain injury. 2006 , 26, 565-75	138
635	Increased phosphorylation of protein kinase B and related substrates after traumatic brain injury in humans and rats. 2006 , 26, 915-26	33
634	Cytochrome P450 4F subfamily: at the crossroads of eicosanoid and drug metabolism. 2006 , 112, 589-611	100
633	Neuroproteomics in neurotrauma. 2006 , 25, 380-408	50

632	Traumatic injury to the immature brain results in progressive neuronal loss, hyperactivity and delayed cognitive impairments. 2006 , 28, 396-409	102
631	Long-term recovery after bone marrow stromal cell treatment of traumatic brain injury in rats. 2006 , 104, 272-7	101
630	Evaluation of pharmacological treatment strategies in traumatic brain injury. 2006 , 12, 1645-80	138
629	Predominance of cellular edema in traumatic brain swelling in patients with severe head injuries. 2006 , 104, 720-30	168
628	Differential behavioral and histopathological responses to graded cortical impact injury in mice. 2006 , 23, 1241-53	140
627	Impaired fibrinolysis and traumatic brain injury in mice. 2006 , 23, 976-84	21
626	Computational studies of strain exposures in neonate and mature rat brains during closed head impact. 2006 , 23, 1570-80	42
625	Reversal of brain injury-induced prefrontal glutamic acid decarboxylase expression and working memory deficits by D1 receptor antagonism. 2006 , 26, 4236-46	60
624	Electromagnetic controlled cortical impact device for precise, graded experimental traumatic brain injury. 2007 , 24, 657-73	159
623	Chronic cognitive deficits and long-term histopathological alterations following contusive brain injury in the immature rat. 2007 , 24, 1460-74	33
622	Cyclooxygenase-2 activity following traumatic brain injury in the developing rat. 2007 , 62, 271-6	41
621	Collagen scaffolds populated with human marrow stromal cells reduce lesion volume and improve functional outcome after traumatic brain injury. 2007 , 61, 596-602; discussion 602-3	109
620	Treatment of traumatic brain injury in rats with erythropoietin and carbamylated erythropoietin. 2007 , 107, 392-7	146
619	Diffuse brain injury in the immature rat: evidence for an age-at-injury effect on cognitive function and histopathologic damage. 2007 , 24, 1596-608	44
618	Basic science; repetitive mild non-contusive brain trauma in immature rats exacerbates traumatic axonal injury and axonal calpain activation: a preliminary report. 2007 , 24, 15-27	60
617	Fibronectin and laminin increase in the mouse brain after controlled cortical impact injury. 2007 , 24, 226-30	44
616	Enhancing expression of Nrf2-driven genes protects the blood brain barrier after brain injury. 2007 , 27, 10240-8	208
615	Treatment of traumatic brain injury with a combination therapy of marrow stromal cells and atorvastatin in rats. 2007 , 60, 546-53; discussion 553-4	64

614	Tissue hyperosmolality and brain edema in cerebral contusion. 2007 , 22, E5	42
613	Activated protein C reduces tissue hypoxia, inflammation, and apoptosis in traumatized skeletal muscle during endotoxemia. 2007 , 35, 1966-71	15
612	Cortical edema in moderate fluid percussion brain injury is attenuated by vagus nerve stimulation. 2007 , 147, 286-93	32
611	Acute treatment with the 5-HT(1A) receptor agonist 8-OH-DPAT and chronic environmental enrichment confer neurobehavioral benefit after experimental brain trauma. 2007 , 177, 186-94	90
610	Gender associations with chronic methylphenidate treatment and behavioral performance following experimental traumatic brain injury. 2007 , 181, 200-9	71
609	Injury severity determines Purkinje cell loss and microglial activation in the cerebellum after cortical contusion injury. 2007 , 203, 258-68	53
608	Plasma fibronectin is neuroprotective following traumatic brain injury. 2007 , 207, 13-22	42
607	The high affinity peripheral benzodiazepine receptor ligand DAA1106 binds specifically to microglia in a rat model of traumatic brain injury: implications for PET imaging. 2007 , 207, 118-27	43
606	Cardiovascular Activity. 2007 , 47-391	
605	Deficits in novelty exploration after controlled cortical impact. 2007 , 24, 1308-20	36
604	Calpain-mediated collapsin response mediator protein-1, -2, and -4 proteolysis after neurotoxic and traumatic brain injury. 2007 , 24, 460-72	101
603	Statins increase neurogenesis in the dentate gyrus, reduce delayed neuronal death in the hippocampal CA3 region, and improve spatial learning in rat after traumatic brain injury. 2007 , 24, 1132-46	201
602	Alterations of acetylcholinesterase activity after traumatic brain injury in rats. 2007 , 21, 1031-7	22
601	Novel neuroproteomic approaches to studying traumatic brain injury. 2007 , 161, 401-18	33
600	CNS injury biomechanics and experimental models. 2007 , 161, 13-26	145
599	Effects of crystalloid-colloid solutions on traumatic brain injury. 2007 , 24, 195-202	21
598	Acutely increased cyclophilin a expression after brain injury: a role in blood-brain barrier function and tissue preservation. 2007 , 85, 1980-8	28
597	A mouse model of sensorimotor controlled cortical impact: characterization using longitudinal magnetic resonance imaging, behavioral assessments and histology. <i>Journal of Neuroscience Methods</i> , 2007 , 160, 187-96	3 77

596	Spatiotemporal pH dynamics following insertion of neural microelectrode arrays. <i>Journal of Neuroscience Methods</i> , 2007 , 160, 276-87	3	54
595	Mitochondrial dysfunction early after traumatic brain injury in immature rats. 2007 , 101, 1248-57		79
594	Delayed increase of tyrosine hydroxylase expression in rat nigrostriatal system after traumatic brain injury. 2007 , 1134, 171-9		49
593	The role of matrix metalloproteinases in infant traumatic brain injury. 2007 , 25, 526-35		57
592	Abstracts Honoring the 100th Anniversary of H. Kh. Buniatian. 2008 , 33, 1150-1167		
591	Cerebral microdialysis of interleukin (IL)-1beta and IL-6: extraction efficiency and production in the acute phase after severe traumatic brain injury in rats. 2008 , 150, 1277-84; discussion 1284		35
590	Selective death of newborn neurons in hippocampal dentate gyrus following moderate experimental traumatic brain injury. 2008 , 86, 2258-70		99
589	An investigation of cerebral edema and injury volume assessments for controlled cortical impact injury. <i>Journal of Neuroscience Methods</i> , 2008 , 168, 320-4	3	24
588	Traumatic brain injury during development reduces minimal clonic seizure thresholds at maturity. 2008 , 80, 163-70		33
587	Time-dependent alterations of cholinergic markers after experimental traumatic brain injury. 2008 , 1246, 167-77		25
586	Head injury. 1994 , 1, 174-7		
585	Direct isolation of neural stem cells in the adult hippocampus after traumatic brain injury. 2008 , 25, 985-95		17
584	Simvastatin-mediated upregulation of VEGF and BDNF, activation of the PI3K/Akt pathway, and increase of neurogenesis are associated with therapeutic improvement after traumatic brain injury. 2008 , 25, 130-9		235
583	Experimental Models of Brain Disease: MRI Studies. 2008 , 801-821		
582	Administration of haloperidol and risperidone after neurobehavioral testing hinders the recovery of traumatic brain injury-induced deficits. 2008 , 83, 602-7		86
581	Sublethal trauma model with systemic endotoxemia for the study of microcirculatory disorders after the second hit. 2008 , 147, 68-74		14
580	Chronic administration of antipsychotics impede behavioral recovery after experimental traumatic brain injury. 2008 , 448, 263-7		71
579	Glial precursor cell transplantation therapy for neurotrauma and multiple sclerosis. 2008 , 43, 123-76		17

578	Midline brain injury in the immature rat induces sustained cognitive deficits, bihemispheric axonal injury and neurodegeneration. 2008 , 213, 84-92	58
577	A delayed and chronic treatment regimen with the 5-HT _{1A} receptor agonist 8-OH-DPAT after cortical impact injury facilitates motor recovery and acquisition of spatial learning. 2008 , 194, 79-85	45
576	Changes in autophagy proteins in a rat model of controlled cortical impact induced brain injury. 2008 , 373, 478-81	45
575	Effects of in situ administration of excitatory amino acid antagonists on rapid microglial and astroglial reactions in rat hippocampus following traumatic brain injury. 2008 , 30, 420-9	16
574	Injury severity differentially affects short- and long-term neuroendocrine outcomes of traumatic brain injury. 2008 , 25, 311-23	72
573	Detrimental effects of aging on outcome from traumatic brain injury: a behavioral, magnetic resonance imaging, and histological study in mice. 2008 , 25, 153-71	97
572	Evolution of post-traumatic neurodegeneration after controlled cortical impact traumatic brain injury in mice and rats as assessed by the de Olmos silver and fluorojade staining methods. 2008 , 25, 235-47	156
571	Detection of protein biomarkers using high-throughput immunoblotting following focal ischemic or penetrating ballistic-like brain injuries in rats. 2008 , 22, 723-32	25
570	The phosphorylated axonal form of the neurofilament subunit NF-H (pNF-H) as a blood biomarker of traumatic brain injury. 2008 , 25, 1079-85	148
569	Long-lasting benefits after treatment of traumatic brain injury (TBI) in rats with combination therapy of marrow stromal cells (MSCs) and simvastatin. 2008 , 25, 1441-7	36
568	Estudo de traumatismo craniocéfálico experimental em ratos com aparelho de impacto cortical controlado. 2008 , 27, 42-46	2
567	Experimental models of traumatic brain injury. 22-27	
566	Acta Neurochirurgica Supplements. 2009 ,	3
565	Key role of sulfonyleurea receptor 1 in progressive secondary hemorrhage after brain contusion. 2009 , 26, 2257-67	108
564	C1-inhibitor attenuates neurobehavioral deficits and reduces contusion volume after controlled cortical impact brain injury in mice. 2009 , 37, 659-65	102
563	Controlled Cortical Impact Injury Model. 2009 , 385-391	2
562	Systemic sepsis exacerbates mild post-traumatic brain injury in the rat. 2009 , 26, 1547-56	27
561	Impaired axonal transport and neurofilament compaction occur in separate populations of injured axons following diffuse brain injury in the immature rat. 2009 , 1263, 174-82	52

560	Delayed transplantation of human marrow stromal cell-seeded scaffolds increases transcallosal neural fiber length, angiogenesis, and hippocampal neuronal survival and improves functional outcome after traumatic brain injury in rats. 2009 , 1263, 183-91	66
559	Therapeutic effects of erythropoietin on histological and functional outcomes following traumatic brain injury in rats are independent of hematocrit. 2009 , 1294, 153-64	56
558	Simvastatin therapy prevents brain trauma-induced increases in beta-amyloid peptide levels. 2009 , 66, 407-14	80
557	Controlled contusion injury alters molecular systems associated with cognitive performance. 2009 , 87, 795-805	36
556	Traumatic brain injury alters expression of hippocampal microRNAs: potential regulators of multiple pathophysiological processes. 2009 , 87, 1435-48	170
555	Traumatic brain injury results in disparate regions of chondroitin sulfate proteoglycan expression that are temporally limited. 2009 , 87, 2937-50	48
554	Persistent cognitive dysfunction after traumatic brain injury: A dopamine hypothesis. 2009 , 33, 981-1003	186
553	Laminin and fibronectin scaffolds enhance neural stem cell transplantation into the injured brain. 2009 , 3, 208-17	161
552	Chronic methylphenidate treatment enhances striatal dopamine neurotransmission after experimental traumatic brain injury. 2009 , 108, 986-97	70
551	Delayed cerebral oxidative glucose metabolism after traumatic brain injury in young rats. 2009 , 109 Suppl 1, 189-97	49
550	Controlled cortical impact injury influences methylphenidate-induced changes in striatal dopamine neurotransmission. 2009 , 110, 801-10	23
549	Modeling spinal cord contusion, dislocation, and distraction: characterization of vertebral clamps, injury severities, and node of Ranvier deformations. <i>Journal of Neuroscience Methods</i> , 2009 , 181, 6-17	3 65
548	Posttraumatic epilepsy after controlled cortical impact injury in mice. 2009 , 215, 243-52	146
547	Persistent working memory dysfunction following traumatic brain injury: evidence for a time-dependent mechanism. 2009 , 159, 483-91	75
546	Functional outcome is impaired following traumatic brain injury in aging Nogo-A/B-deficient mice. 2009 , 163, 540-51	36
545	Anatibant, a selective non-peptide bradykinin B2 receptor antagonist, reduces intracranial hypertension and histopathological damage after experimental traumatic brain injury. 2009 , 454, 115-7	31
544	Sulforaphane improves cognitive function administered following traumatic brain injury. 2009 , 460, 103-7	110
543	Cerebral transplantation of encapsulated mesenchymal stem cells improves cellular pathology after experimental traumatic brain injury. 2009 , 463, 176-81	84

542	Administration of S-nitrosoglutathione after traumatic brain injury protects the neurovascular unit and reduces secondary injury in a rat model of controlled cortical impact. 2009 , 6, 32	115
541	Animal Models of Acute Neurological Injuries. 2009 ,	7
540	Modelos experimentales de traumatismo craneoencefálico. 2009 , 20, 225-244	5
539	Long-term benefits after treatment of traumatic brain injury with simvastatin in rats. 2009 , 65, 187-91; discussion 191-2	48
538	Concussion in professional football: animal model of brain injury--part 15. 2009 , 64, 1162-73; discussion 1173	70
537	Neurological effects of blast injury. 2010 , 68, 1257-63	107
536	Pericontusion axon sprouting is spatially and temporally consistent with a growth-permissive environment after traumatic brain injury. 2010 , 69, 139-54	58
535	The long-term effect of four hours of hyperventilation on neurocognitive performance and lesion size after controlled cortical impact in rats. 2010 , 110, 181-7	10
534	Ebselen reduces inflammation and microvascular perfusion failure after blunt skeletal muscle injury of the rat. 2010 , 68, 853-8	9
533	Increase of GABAA receptor-mediated tonic inhibition in dentate granule cells after traumatic brain injury. 2010 , 38, 464-75	54
532	Sprouting of corticospinal tract axons from the contralateral hemisphere into the denervated side of the spinal cord is associated with functional recovery in adult rat after traumatic brain injury and erythropoietin treatment. 2010 , 1353, 249-57	51
531	Regional calcineurin subunit B isoform expression in rat hippocampus following a traumatic brain injury. 2010 , 1358, 211-20	8
530	Animal models of traumatic brain injury: is there an optimal model to reproduce human brain injury in the laboratory?. 2010 , 41 Suppl 1, S10-3	94
529	Neuroanatomical correlation of behavioral deficits in the CCI model of TBI. <i>Journal of Neuroscience Methods</i> , 2010 , 190, 1-9	3 30
528	Experimental traumatic brain injury. 2010 , 2, 16	78
527	Cerebral blood volume alterations in the perilesional areas in the rat brain after traumatic brain injury--comparison with behavioral outcome. 2010 , 30, 1318-28	27
526	Valproate administered after traumatic brain injury provides neuroprotection and improves cognitive function in rats. 2010 , 5, e11383	144
525	Reorganization of motor cortex after controlled cortical impact in rats and implications for functional recovery. 2010 , 27, 2221-32	71

524	Effect of secondary insults upon aquaporin-4 water channels following experimental cortical contusion in rats. 2010 , 27, 229-39	55
523	Evaluation of a combined therapeutic regimen of 8-OH-DPAT and environmental enrichment after experimental traumatic brain injury. 2010 , 27, 2021-32	63
522	Empirical comparison of typical and atypical environmental enrichment paradigms on functional and histological outcome after experimental traumatic brain injury. 2010 , 27, 1047-57	83
521	The multivariate concentric square field test reveals behavioral profiles of risk taking, exploration, and cognitive impairment in mice subjected to traumatic brain injury. 2010 , 27, 1643-55	25
520	Early and sustained increase in the expression of hippocampal IGF-1, but not EPO, in a developmental rodent model of traumatic brain injury. 2010 , 27, 2011-20	33
519	Expression of protein phosphatase 2B (calcineurin) subunit A isoforms in rat hippocampus after traumatic brain injury. 2010 , 27, 109-20	21
518	Genetic deletion and pharmacological inhibition of Nogo-66 receptor impairs cognitive outcome after traumatic brain injury in mice. 2010 , 27, 1297-309	38
517	YKL-40 expression in traumatic brain injury: an initial analysis. 2010 , 27, 1215-23	58
516	Neuroimaging findings and brain-behavioral correlates in a former boxer with chronic traumatic brain injury. 2010 , 16, 125-34	17
515	Finite element analysis of controlled cortical impact-induced cell loss. 2010 , 27, 877-88	46
514	Resveratrol attenuates behavioral impairments and reduces cortical and hippocampal loss in a rat controlled cortical impact model of traumatic brain injury. 2010 , 27, 1091-9	106
513	Effects of pravastatin on cellular ultrastructure and hemorheology in rats after traumatic head injury. 2010 , 46, 1-11	7
512	Age is a determinant of leukocyte infiltration and loss of cortical volume after traumatic brain injury. 2010 , 32, 454-65	38
511	Safety Evaluation of New Hemostatic Agents, Smectite Granules, and Kaolin-Coated Gauze in a Vascular Injury Wound Model in Swine: Erratum. 2010 , 68, 1263	
510	Delayed administration of erythropoietin reducing hippocampal cell loss, enhancing angiogenesis and neurogenesis, and improving functional outcome following traumatic brain injury in rats: comparison of treatment with single and triple dose. 2010 , 113, 598-608	86
509	Biochemical and neurochemical sequelae following mild traumatic brain injury: summary of experimental data and clinical implications. 2010 , 29, E1	74
508	Spontaneous epileptiform activity in rat neocortex after controlled cortical impact injury. 2010 , 27, 1541-8	61
507	Injury severity differentially alters sensitivity to dexamethasone after traumatic brain injury. 2010 , 27, 1081-9	31

506	Reduction of neurovascular damage resulting from microelectrode insertion into the cerebral cortex using in vivo two-photon mapping. 2010 , 7, 046011	115
505	Effect of treadmill exercise on Purkinje cell loss and astrocytic reaction in the cerebellum after traumatic brain injury. 2010 , 481, 178-82	36
504	Experimental models of traumatic axonal injury. 2010 , 17, 157-62	35
503	Regional differences in cerebral edema after traumatic brain injury identified by impedance analysis. 2010 , 159, 557-64	7
502	Flumazenil administration attenuates cognitive impairment in immature rats after controlled cortical impact. 2010 , 27, 647-51	10
501	Dual vulnerability of tau to calpains and caspase-3 proteolysis under neurotoxic and neurodegenerative conditions. 2011 , 3, e00051	35
500	Quantitative MRI analysis of brain volume changes due to controlled cortical impact. 2010 , 27, 1265-74	19
499	Quantitative relationship between axonal injury and mechanical response in a rodent head impact acceleration model. 2011 , 28, 1767-82	37
498	Therapeutic targets for neuroprotection and/or enhancement of functional recovery following traumatic brain injury. 2011 , 98, 85-131	10
497	Craniotomy: true sham for traumatic brain injury, or a sham of a sham?. 2011 , 28, 359-69	195
496	A novel strategy to activate cytoprotective genes in the injured brain. 2011 , 407, 501-6	24
495	Oral fish oil restores striatal dopamine release after traumatic brain injury. 2011 , 496, 168-71	37
494	Significance of minor traumatic lesions in focal head injuries. 2011 , 18, 520-3	2
493	Altered adrenergic receptor signaling following traumatic brain injury contributes to working memory dysfunction. 2011 , 172, 293-302	33
492	The dopamine and cAMP regulated phosphoprotein, 32 kDa (DARPP-32) signaling pathway: a novel therapeutic target in traumatic brain injury. 2011 , 229, 300-7	24
491	Involvement of the glycogen synthase kinase-3 signaling pathway in TBI pathology and neurocognitive outcome. 2011 , 6, e24648	61
490	A novel multicenter preclinical drug screening and biomarker consortium for experimental traumatic brain injury: operation brain trauma therapy. 2011 , 71, S15-24	39
489	Mild traumatic brain injury results in extensive neuronal degeneration in the cerebral cortex. 2011 , 70, 183-91	87

488	Lateral fluid percussion: model of traumatic brain injury in mice. 2011,	60
487	Animal modelling of traumatic brain injury in preclinical drug development: where do we go from here?. 2011, 164, 1207-29	174
486	Animal models of traumatic brain injury: a critical evaluation. 2011, 130, 106-13	122
485	The treatment of TBI with human marrow stromal cells impregnated into collagen scaffold: functional outcome and gene expression profile. 2011, 1371, 129-39	35
484	Traumatic brain injury reduces striatal tyrosine hydroxylase activity and potassium-evoked dopamine release in rats. 2011, 1369, 208-15	47
483	Erythropoietin promotes neurovascular remodeling and long-term functional recovery in rats following traumatic brain injury. 2011, 1384, 140-50	38
482	Effects on the ubiquitin proteasome system after closed soft-tissue trauma in rat skeletal muscle. 2011, 37, 645-54	3
481	Expression and localization of the orexin-1 receptor (OX1R) after traumatic brain injury in mice. 2011, 43, 162-8	17
480	Erythropoietin mediates neurobehavioral recovery and neurovascular remodeling following traumatic brain injury in rats by increasing expression of vascular endothelial growth factor. 2011, 2, 619-32	57
479	Syndromics: a bioinformatics approach for neurotrauma research. 2011, 2, 438-54	26
478	Altered expression of miRNA-21 and its targets in the hippocampus after traumatic brain injury. 2011, 89, 212-21	94
477	MRI evaluation of axonal reorganization after bone marrow stromal cell treatment of traumatic brain injury. 2011, 24, 1119-28	48
476	Investigation of brain contusion mechanism and threshold by combining finite element analysis with in vivo histology data. 2011, 27, 357-366	16
475	Alterations of GABA(A) and glutamate receptor subunits and heat shock protein in rat hippocampus following traumatic brain injury and in posttraumatic epilepsy. 2011, 95, 20-34	59
474	Treatment of traumatic brain injury with thymosin α_1 in rats. 2011, 114, 102-15	63
473	Dose-dependent neurorestorative effects of delayed treatment of traumatic brain injury with recombinant human erythropoietin in rats. 2011, 115, 550-60	57
472	Early microstructural and metabolic changes following controlled cortical impact injury in rat: a magnetic resonance imaging and spectroscopy study. 2011, 28, 2091-102	91
471	Ketogenic diet prevents alterations in brain metabolism in young but not adult rats after traumatic brain injury. 2011, 28, 1813-25	70

470	Dilantin therapy in an experimental model of traumatic brain injury: effects of limited versus daily treatment on neurological and behavioral recovery. 2011 , 28, 43-55	19
469	Abbreviated environmental enrichment enhances neurobehavioral recovery comparably to continuous exposure after traumatic brain injury. 2011 , 25, 343-50	54
468	Comparison of therapeutic effects between pulsed and continuous wave 810-nm wavelength laser irradiation for traumatic brain injury in mice. 2011 , 6, e26212	127
467	MATERIAL PROPERTIES OF ADULT RAT SKULL. 2011 , 11, 1199-1212	14
466	Temporal effects of environmental enrichment-mediated functional improvement after experimental traumatic brain injury in rats. 2011 , 25, 558-64	59
465	Effects of a small acute subdural hematoma following traumatic brain injury on neuromonitoring, brain swelling and histology in pigs. 2011 , 47, 141-53	11
464	Endothelin-1 is upregulated after traumatic brain injury: a cross-species, cross-model analysis. 2011 , 33, 133-6	16
463	Treatment of TBI with collagen scaffolds and human marrow stromal cells increases the expression of tissue plasminogen activator. 2011 , 28, 1199-207	18
462	Differential effects of injury severity on cognition and cellular pathology after contusive brain trauma in the immature rat. 2011 , 28, 245-57	15
461	Strain-based regional traumatic brain injury intensity in controlled cortical impact: a systematic numerical analysis. 2011 , 28, 2263-76	16
460	Rate of neurodegeneration in the mouse controlled cortical impact model is influenced by impactor tip shape: implications for mechanistic and therapeutic studies. 2011 , 28, 2245-62	70
459	Contribution of Ih to neuronal damage in the hippocampus after traumatic brain injury in rats. 2011 , 28, 1173-83	14
458	Selective CDK inhibitor limits neuroinflammation and progressive neurodegeneration after brain trauma. 2012 , 32, 137-49	77
457	Delayed neuromotor recovery and increased memory acquisition dysfunction following experimental brain trauma in mice lacking the DNA repair gene XPA. 2012 , 116, 1368-78	17
456	Neuroprotective and neurorestorative effects of thymosin β treatment initiated 6 hours after traumatic brain injury in rats. 2012 , 116, 1081-92	55
455	Comparing the predictive value of multiple cognitive, affective, and motor tasks after rodent traumatic brain injury. 2012 , 29, 2475-89	74
454	Deficits in social behavior emerge during development after pediatric traumatic brain injury in mice. 2012 , 29, 2672-83	56
453	Traumatic brain injury increased IGF-1B mRNA and altered IGF-1 exon 5 and promoter region epigenetic characteristics in the rat pup hippocampus. 2012 , 29, 2075-85	32

452	Caffeic Acid phenethyl ester protects blood-brain barrier integrity and reduces contusion volume in rodent models of traumatic brain injury. 2012 , 29, 1209-18	40
451	Characterization of a novel rat model of penetrating traumatic brain injury. 2012 , 29, 1219-32	46
450	The neuroprotective effect of pyrroloquinoline quinone on traumatic brain injury. 2012 , 29, 851-64	18
449	Use-dependent dendritic regrowth is limited after unilateral controlled cortical impact to the forelimb sensorimotor cortex. 2012 , 29, 1455-68	39
448	A new method for modulating traumatic brain injury with mechanical tissue resuscitation. 2012 , 70, 1281-95	10
447	Mesenchymal stem cells regulate blood-brain barrier integrity through TIMP3 release after traumatic brain injury. 2012 , 4, 161ra150	105
446	Ultrasmall implantable composite microelectrodes with bioactive surfaces for chronic neural interfaces. 2012 , 11, 1065-73	482
445	Altered neurochemical profile after traumatic brain injury: (1)H-MRS biomarkers of pathological mechanisms. 2012 , 32, 2122-34	83
444	Alterations of A-type potassium channels in hippocampal neurons after traumatic brain injury. 2012 , 29, 235-45	38
443	Effects of nicotine administration on striatal dopamine signaling after traumatic brain injury in rats. 2012 , 29, 843-50	17
442	Mild traumatic brain injury (MTBI) leads to spatial learning deficits. 2012 , 26, 151-65	34
441	Focal brain trauma in the cryogenic lesion model in mice. 2012 , 4, 6	14
440	Administration of palmitoylethanolamide (PEA) protects the neurovascular unit and reduces secondary injury after traumatic brain injury in mice. 2012 , 26, 1310-21	69
439	Simvastatin attenuates axonal injury after experimental traumatic brain injury and promotes neurite outgrowth of primary cortical neurons. 2012 , 1486, 121-30	28
438	Diffusion kurtosis as an in vivo imaging marker for reactive astrogliosis in traumatic brain injury. 2012 , 59, 467-77	227
437	Neuroprotection with an erythropoietin mimetic peptide (pHBSP) in a model of mild traumatic brain injury complicated by hemorrhagic shock. 2012 , 29, 1156-66	38
436	Vestibular Assessments Following Traumatic Brain Injury. 2012 , 385-396	2
435	Near-infrared photobiomodulation in an animal model of traumatic brain injury: improvements at the behavioral and biochemical levels. 2012 , 30, 523-9	51

434	A review of neuroprotection pharmacology and therapies in patients with acute traumatic brain injury. 2012 , 26, 613-36		121
433	Expression of miRNAs and their cooperative regulation of the pathophysiology in traumatic brain injury. 2012 , 7, e39357		58
432	Current evaluation of TBI epidemiology in an ageing society with improved preventive measures. 1-16		1
431	Animal models of mild and severe TBI: what have we learned in the past 30 years?. 114-125		2
430	Closed head injury in rats: histopathological aspects in an experimental weight drop model. 2012 , 27, 290-4		2
429	CR8, a selective and potent CDK inhibitor, provides neuroprotection in experimental traumatic brain injury. 2012 , 9, 405-21		46
428	Impact of inhibition of erythropoietin treatment-mediated neurogenesis in the dentate gyrus of the hippocampus on restoration of spatial learning after traumatic brain injury. 2012 , 235, 336-44		38
427	Fisher statistics for analysis of diffusion tensor directional information. <i>Journal of Neuroscience Methods</i> , 2012 , 206, 40-5	3	12
426	Neutrophil depletion reduces edema formation and tissue loss following traumatic brain injury in mice. 2012 , 9, 17		96
425	Exercise pre-conditioning reduces brain inflammation and protects against toxicity induced by traumatic brain injury: behavioral and neurochemical approach. 2012 , 21, 175-84		46
424	Evaluation of three animal models for concussion and serious brain injury. 2012 , 40, 213-26		15
423	In vivo temporal and spatial profile of leukocyte adhesion and migration after experimental traumatic brain injury in mice. 2013 , 10, 32		42
422	Tracking induced pluripotent stem cells-derived neural stem cells in the central nervous system of rats and monkeys. 2013 , 15, 435-42		25
421	Exogenous T3 administration provides neuroprotection in a murine model of traumatic brain injury. 2013 , 70, 80-9		36
420	Minocycline plus N-acetylcysteine synergize to modulate inflammation and prevent cognitive and memory deficits in a rat model of mild traumatic brain injury. 2013 , 249, 169-77		68
419	A bilateral head injury that shows graded brain damage and behavioral deficits in adult mice. 2013 , 1499, 121-8		14
418	Evolution of neuronal and astroglial disruption in the peri-contusional cortex of mice revealed by in vivo two-photon imaging. 2013 , 136, 1446-61		54
417	Transplantation of human mesenchymal stem cells loaded on collagen scaffolds for the treatment of traumatic brain injury in rats. 2013 , 34, 5937-46		114

416	Effect of an inductive hydrogel composed of urinary bladder matrix upon functional recovery following traumatic brain injury. 2013 , 19, 1909-18	43
415	The effect of environmental enrichment on substantia nigra gene expression after traumatic brain injury in rats. 2013 , 30, 259-70	21
414	Analysis of functional pathways altered after mild traumatic brain injury. 2013 , 30, 752-64	49
413	Effects of early rolipram treatment on histopathological outcome after controlled cortical impact injury in mice. 2013 , 532, 1-6	26
412	Animal models of traumatic brain injury. 2013 , 14, 128-42	862
411	Morris water maze function and histologic characterization of two age-at-injury experimental models of controlled cortical impact in the immature rat. 2013 , 29, 43-53	31
410	The role of vasopressin V1A receptors in cytotoxic brain edema formation following brain injury. 2013 , 155, 151-64	35
409	Non-spatial pre-training in the water maze as a clinically relevant model for evaluating learning and memory in experimental TBI. 2013 , 106, 71-86	16
408	Exendin-4, a glucagon-like peptide-1 receptor agonist prevents mTBI-induced changes in hippocampus gene expression and memory deficits in mice. 2013 , 239, 170-82	70
407	Only repeated administration of the serotonergic agonist 8-OH-DPAT improves place learning of rats subjected to fimbria-fornix transection. 2013 , 109, 50-8	4
406	Erythropoietin and cytoprotective cytokines in experimental traumatic brain injury. 2013 , 982, 141-62	7
405	Experimentally validated three-dimensional finite element model of the rat for mild traumatic brain injury. 2013 , 51, 353-65	27
404	Blast traumatic brain injury in the rat using a blast overpressure model. 2013 , Chapter 9, Unit 9.41	12
403	Therapy development for diffuse axonal injury. 2013 , 30, 307-23	137
402	Towards clinical management of traumatic brain injury: a review of models and mechanisms from a biomechanical perspective. 2013 , 6, 1325-38	70
401	Intracranial biomechanics following cortical contusion in live rats. 2013 , 119, 1255-62	12
400	Neuronal adhesion and synapse organization in recovery after brain injury. 2013 , 8, 555-567	27
399	Effects of treating traumatic brain injury with collagen scaffolds and human bone marrow stromal cells on sprouting of corticospinal tract axons into the denervated side of the spinal cord. 2013 , 118, 381-9	31

398	Functional assessment of long-term deficits in rodent models of traumatic brain injury. 2013 , 8, 483-516	60
397	'Hit & Run' model of closed-skull traumatic brain injury (TBI) reveals complex patterns of post-traumatic AQP4 dysregulation. 2013 , 33, 834-45	168
396	Prior housing conditions and sleep loss may affect recovery from brain injury in rats: a pilot study. 2013 , 50, 455-62	5
395	The impact of enriched environment and transplantation of murine cortical embryonic stem cells on recovery from controlled cortical contusion injury. 2013 , 31, 431-50	13
394	Cerebral Blood Flow, Metabolism, and Head Trauma. 2013 ,	2
393	Integration of proteomics, bioinformatics, and systems biology in traumatic brain injury biomarker discovery. 2013 , 4, 61	30
392	Assessing neuro-systemic & behavioral components in the pathophysiology of blast-related brain injury. 2013 , 4, 186	47
391	Repeated mild closed head injury impairs short-term visuospatial memory and complex learning. 2013 , 30, 716-26	33
390	Challenges in the development of rodent models of mild traumatic brain injury. 2013 , 30, 688-701	80
389	The evolution of traumatic brain injury in a rat focal contusion model. 2013 , 26, 468-79	24
388	Mild traumatic brain injury in translation. 2013 , 30, 610-7	42
387	Traumatic axonal injury in the mouse is accompanied by a dynamic inflammatory response, astroglial reactivity and complex behavioral changes. 2013 , 10, 44	43
386	Using anesthetics and analgesics in experimental traumatic brain injury. 2013 , 42, 286-91	37
385	Antithrombin reduces inflammation and microcirculatory perfusion failure in closed soft-tissue injury and endotoxemia. 2013 , 41, 867-73	8
384	Comparison of neurite density measured by MRI and histology after TBI. 2013 , 8, e63511	18
383	Neural circuit mechanisms of post-traumatic epilepsy. 2013 , 7, 89	98
382	The effect and mechanism of growth hormone replacement on cognitive function in rats with traumatic brain injury. 2014 , 9, e108518	27
381	Brain injury in the context of tauopathies. 2014 , 40, 495-518	25

380	Blast TBI Models, Neuropathology, and Implications for Seizure Risk. 2014 , 5, 47	44
379	Delayed increases in microvascular pathology after experimental traumatic brain injury are associated with prolonged inflammation, blood-brain barrier disruption, and progressive white matter damage. 2014 , 31, 1180-93	142
378	Suppression of neurocan and enhancement of axonal density in rats after treatment of traumatic brain injury with scaffolds impregnated with bone marrow stromal cells. 2014 , 120, 1147-55	13
377	A combined therapeutic regimen of buspirone and environmental enrichment is more efficacious than either alone in enhancing spatial learning in brain-injured pediatric rats. 2014 , 31, 1934-41	30
376	The blood-brain barrier as a target in traumatic brain injury treatment. 2014 , 45, 698-710	87
375	Real-time monitoring of changes in brain extracellular sodium and potassium concentrations and intracranial pressure after selective vasopressin-1a receptor inhibition following focal traumatic brain injury in rats. 2014 , 31, 1258-67	20
374	Temporal course of changes in gene expression suggests a cytokine-related mechanism for long-term hippocampal alteration after controlled cortical impact. 2014 , 31, 683-90	34
373	Docosahexaenoic acid reduces ER stress and abnormal protein accumulation and improves neuronal function following traumatic brain injury. 2014 , 34, 3743-55	90
372	Anti-lysophosphatidic acid antibodies improve traumatic brain injury outcomes. 2014 , 11, 37	58
371	Models of mild traumatic brain injury: translation of physiological and anatomic injury. 2014 , 75 Suppl 4, S34-49	45
370	Repetitive mild traumatic brain injury causes optic nerve and retinal damage in a mouse model. 2014 , 73, 345-61	55
369	Propofol impairs neurogenesis and neurologic recovery and increases mortality rate in adult rats after traumatic brain injury. 2014 , 42, 129-41	35
368	Conditional overexpression of insulin-like growth factor-1 enhances hippocampal neurogenesis and restores immature neuron dendritic processes after traumatic brain injury. 2014 , 73, 734-46	66
367	Down-regulation of Nogo-A by collagen scaffolds impregnated with bone marrow stromal cell treatment after traumatic brain injury promotes axonal regeneration in rats. 2014 , 1542, 41-8	16
366	Glycogen synthase kinase-3 inhibitors: Rescuers of cognitive impairments. 2014 , 141, 1-12	127
365	Traumatic brain injury using mouse models. 2014 , 5, 454-71	51
364	Increased expression of vascular endothelial growth factor attenuates contusion necrosis without influencing contusion edema after traumatic brain injury in rats. 2014 , 31, 691-8	15
363	Environmental enrichment as a viable neurorehabilitation strategy for experimental traumatic brain injury. 2014 , 31, 873-88	64

362	Controlled-cortical impact reduces volitional forelimb strength in rats. 2014 , 1582, 91-8	10
361	Combination of growth factor treatment and scaffold deposition following traumatic brain injury has only a temporary effect on regeneration. 2014 , 1588, 37-46	7
360	Simvastatin and environmental enrichment effect on recognition and temporal order memory after mild-to-moderate traumatic brain injury. 2014 , 28, 211-26	14
359	Alpha II Spectrin breakdown products in immature Sprague Dawley rat hippocampus and cortex after traumatic brain injury. 2014 , 1574, 105-12	19
358	Detection of mild traumatic brain injury in rodent models using shear wave elastography: preliminary studies. 2014 , 33, 1763-71	24
357	Traumatic brain injury alters long-term hippocampal neuron morphology in juvenile, but not immature, rats. 2014 , 30, 1333-42	22
356	Macrophagic and microglial responses after focal traumatic brain injury in the female rat. 2014 , 11, 82	116
355	Pre and post-injury environmental enrichment effects functional recovery following medial frontal cortical contusion injury in rats. 2014 , 275, 201-11	13
354	Differential effect of traumatic brain injury on the nuclear factor of activated T Cells C3 and C4 isoforms in the rat hippocampus. 2014 , 1548, 63-72	13
353	A novel traumatic brain injury model for induction of mild brain injury in rats. <i>Journal of Neuroscience Methods</i> , 2014 , 233, 18-27	3 11
352	A semicircular controlled cortical impact produces long-term motor and cognitive dysfunction that correlates well with damage to both the sensorimotor cortex and hippocampus. 2014 , 1576, 18-26	14
351	Three decades of citation classics: the most cited articles in the field of physical medicine and rehabilitation. 2014 , 6, 828-40	2
350	Controlled cortical impact model for traumatic brain injury. 2014 , e51781	51
349	Neuro-proteomics and Neuro-systems Biology in the Quest of TBI Biomarker Discovery. 2014 , 3-41	1
348	Minocycline but not tigecycline is neuroprotective and reduces the neuroinflammatory response induced by the superimposition of sepsis upon traumatic brain injury. 2014 , 42, e570-82	33
347	Pre-Clinical Traumatic Brain Injury Common Data Elements: Toward a Common Language Across Laboratories. 2015 , 32, 1725-35	70
346	Characterization and Management of Headache after Mild Traumatic Brain Injury. 2015 , 174-183	12
345	Nonconvulsive Seizures as Secondary Insults in Experimental Traumatic Brain Injury. 2015 , 160-173	2

344	Chapter 3 animal models of traumatic brain injury: is there an optimal model that parallels human brain injury?. 2015 , 33, 31-73	10
343	TIMP3 Attenuates the Loss of Neural Stem Cells, Mature Neurons and Neurocognitive Dysfunction in Traumatic Brain Injury. 2015 , 33, 3530-44	30
342	Dopamine Release Impairment in Striatum After Different Levels of Cerebral Cortical Fluid Percussion Injury. 2015 , 24, 2113-28	18
341	Acute Traumatic Brain Injury Does Not Exacerbate Amyotrophic Lateral Sclerosis in the SOD1 (G93A) Rat Model. 2015 , 2,	7
340	Imatinib treatment reduces brain injury in a murine model of traumatic brain injury. 2015 , 9, 385	27
339	Blood-brain barrier dysfunction in disorders of the developing brain. 2015 , 9, 40	94
338	Donepezil rescues spatial learning and memory deficits following traumatic brain injury independent of its effects on neurogenesis. 2015 , 10, e0118793	21
337	Administration of DHA Reduces Endoplasmic Reticulum Stress-Associated Inflammation and Alters Microglial or Macrophage Activation in Traumatic Brain Injury. 2015 , 7,	64
336	Chronic Histopathological and Behavioral Outcomes of Experimental Traumatic Brain Injury in Adult Male Animals. 2015 , 32, 1861-82	60
335	Visual Priming Enhances the Effects of Nonspatial Cognitive Rehabilitation Training on Spatial Learning After Experimental Traumatic Brain Injury. 2015 , 29, 897-906	3
334	Blood-brain barrier dysfunction following traumatic brain injury. 2015 , 30, 1093-104	81
333	Effect of exosomes derived from multipotent mesenchymal stromal cells on functional recovery and neurovascular plasticity in rats after traumatic brain injury. 2015 , 122, 856-67	408
332	Electrophysiologic recordings in traumatic brain injury. 2015 , 127, 319-39	26
331	Animal models of traumatic brain injury. 2015 , 127, 115-28	102
330	Neuroprotective efficacy of decompressive craniectomy after controlled cortical impact injury in rats: An MRI study. 2015 , 1622, 339-49	6
329	Effects of pigment epithelium-derived factor on traumatic brain injury. 2015 , 33, 81-93	5
328	Neuroprotective effects of collagen matrix in rats after traumatic brain injury. 2015 , 33, 95-104	4
327	Pathophysiology of microwave-induced traumatic brain injury. 2015 , 3, 468-472	5

326	Training to Optimize Learning after Traumatic Brain Injury. 2015 , 3, 99-105	12
325	Inhibition of Eukaryotic Initiation Factor 2 Alpha Phosphatase Reduces Tissue Damage and Improves Learning and Memory after Experimental Traumatic Brain Injury. 2015 , 32, 1608-20	34
324	Found in translation: Understanding the biology and behavior of experimental traumatic brain injury. 2015 , 58, 123-46	55
323	Acute Response of the Hippocampal Transcriptome Following Mild Traumatic Brain Injury After Controlled Cortical Impact in the Rat. 2015 , 57, 282-303	20
322	Posttraumatic seizures and epilepsy in adult rats after controlled cortical impact. 2015 , 117, 104-16	39
321	Priming the inflammatory pump of the CNS after traumatic brain injury. 2015 , 38, 609-620	119
320	A behavioral and histological comparison of fluid percussion injury and controlled cortical impact injury to the rat sensorimotor cortex. 2015 , 294, 254-63	22
319	Direct hippocampal injection of pseudo lentivirus-delivered nerve growth factor gene rescues the damaged cognitive function after traumatic brain injury in the rat. 2015 , 69, 148-57	17
318	Role for mammalian chitinase 3-like protein 1 in traumatic brain injury. 2015 , 35, 95-106	26
317	Extracellular ezrin: a novel biomarker for traumatic brain injury. 2015 , 32, 244-51	8
316	Altered regulation of protein kinase a activity in the medial prefrontal cortex of normal and brain-injured animals actively engaged in a working memory task. 2015 , 32, 139-48	12
315	Developing a clinically relevant model of cognitive training after experimental traumatic brain injury. 2015 , 29, 483-95	11
314	The effect of simvastatin treatment on proliferation and differentiation of neural stem cells after traumatic brain injury. 2015 , 1602, 1-8	27
313	Combining Enriched Environment, Progesterone, and Embryonic Neural Stem Cell Therapy Improves Recovery after Brain Injury. 2015 , 32, 1117-29	25
312	How and Why Study Posttraumatic Epileptogenesis in Animal Models?. 2016 , 16, 393-396	3
311	Lesion Size Is Exacerbated in Hypoxic Rats Whereas Hypoxia-Inducible Factor-1 Alpha and Vascular Endothelial Growth Factor Increase in Injured Normoxic Rats: A Prospective Cohort Study of Secondary Hypoxia in Focal Traumatic Brain Injury. 2016 , 7, 23	18
310	The Controlled Cortical Impact Model: Applications, Considerations for Researchers, and Future Directions. 2016 , 7, 134	81
309	Historical Review of the Fluid-Perfusion TBI Model. 2016 , 7, 217	23

308	Altered Mitochondrial Dynamics and TBI Pathophysiology. 2016 , 10, 29	82
307	Pomalidomide mitigates neuronal loss, neuroinflammation, and behavioral impairments induced by traumatic brain injury in rat. 2016 , 13, 168	28
306	The Revised Neurobehavioral Severity Scale (NSS-R) for Rodents. 2016 , 75, 9.52.1-9.52.16	16
305	EphB3 signaling propagates synaptic dysfunction in the traumatic injured brain. 2016 , 94, 73-84	16
304	Cyclosporine Treatment in Traumatic Brain Injury: Operation Brain Trauma Therapy. 2016 , 33, 553-66	33
303	Severity assessment and scoring for neurosurgical models in rodents. 2016 , 50, 442-452	8
302	Etifoxine improves sensorimotor deficits and reduces glial activation, neuronal degeneration, and neuroinflammation in a rat model of traumatic brain injury. 2016 , 13, 203	30
301	Rosiglitazone attenuates inflammation and CA3 neuronal loss following traumatic brain injury in rats. 2016 , 472, 648-55	24
300	Sport-Related Traumatic Brain Injury. 2016 , 40-63	
299	The Pathophysiology of Concussion. 2016 , 20, 42	50
298	Clinical Traumatic Brain Injury in the Preclinical Setting. 2016 , 1462, 11-28	6
297	Traumatic brain injury decreases AMP-activated protein kinase activity and pharmacological enhancement of its activity improves cognitive outcome. 2016 , 139, 106-19	30
296	Autophagy Networks in Inflammation. 2016 ,	1
295	The Controlled Cortical Impact Model of Experimental Brain Trauma: Overview, Research Applications, and Protocol. 2016 , 1462, 177-92	37
294	Animal Models of Posttraumatic Seizures and Epilepsy. 2016 , 1462, 481-519	23
293	Traumatic Brain Injury Models in Animals. 2016 , 1462, 47-59	5
292	Rodent Models of Traumatic Brain Injury: Methods and Challenges. 2016 , 1462, 29-46	30
291	Long-Term Anesthetic-Dependent Hypoactivity after Repetitive Mild Traumatic Brain Injuries in Adolescent Mice. 2016 , 38, 220-238	11

290	A model of recurrent concussion that leads to long-term motor deficits, CTE-like tauopathy and exacerbation of an ALS phenotype. 2016 , 81, 1070-1079	19
289	Animal Models of Traumatic Brain Injury. 2016 , 1-12	0
288	Delayed Hypoxemia Following Traumatic Brain Injury Exacerbates White Matter Injury. 2016 , 75, 731-747	5
287	Sex-related differences in striatal dopaminergic system after traumatic brain injury. 2016 , 124, 214-21	13
286	Nanoparticle-mediated transcriptional modification enhances neuronal differentiation of human neural stem cells following transplantation in rat brain. 2016 , 84, 157-166	37
285	Erythropoietin Treatment in Traumatic Brain Injury: Operation Brain Trauma Therapy. 2016 , 33, 538-52	42
284	Enduring changes in tonic GABAA receptor signaling in dentate granule cells after controlled cortical impact brain injury in mice. 2016 , 277, 178-189	20
283	Nicotinamide Treatment in Traumatic Brain Injury: Operation Brain Trauma Therapy. 2016 , 33, 523-37	43
282	Hydrogen-rich water attenuates brain damage and inflammation after traumatic brain injury in rats. 2016 , 1637, 1-13	33
281	Simvastatin Treatment in Traumatic Brain Injury: Operation Brain Trauma Therapy. 2016 , 33, 567-80	30
280	Activation of Alpha 7 Cholinergic Nicotinic Receptors Reduce Blood-Brain Barrier Permeability following Experimental Traumatic Brain Injury. 2016 , 36, 2809-18	57
279	Distinct roles for metalloproteinases during traumatic brain injury. 2016 , 96, 46-55	27
278	Levetiracetam Treatment in Traumatic Brain Injury: Operation Brain Trauma Therapy. 2016 , 33, 581-94	50
277	Epileptogenesis following experimentally induced traumatic brain injury - a systematic review. 2016 , 27, 329-46	6
276	Approach to Modeling, Therapy Evaluation, Drug Selection, and Biomarker Assessments for a Multicenter Pre-Clinical Drug Screening Consortium for Acute Therapies in Severe Traumatic Brain Injury: Operation Brain Trauma Therapy. 2016 , 33, 513-22	66
275	Longitudinal changes in the DTI measures, anti-GFAP expression and levels of serum inflammatory cytokines following mild traumatic brain injury. 2016 , 275 Pt 3, 427-435	39
274	The AMPAR Antagonist Perampanel Attenuates Traumatic Brain Injury Through Anti-Oxidative and Anti-Inflammatory Activity. 2017 , 37, 43-52	34
273	Combining the Antipsychotic Drug Haloperidol and Environmental Enrichment after Traumatic Brain Injury Is a Double-Edged Sword. 2017 , 34, 451-458	22

272	Relative to Typical Antipsychotic Drugs, Aripiprazole Is a Safer Alternative for Alleviating Behavioral Disturbances After Experimental Brain Trauma. 2017 , 31, 25-33	13
271	Treatment of traumatic brain injury in rats with N-acetyl-seryl-aspartyl-lysyl-proline. 2017 , 126, 782-795	31
270	The Therapeutic Efficacy of Environmental Enrichment and Methylphenidate Alone and in Combination after Controlled Cortical Impact Injury. 2017 , 34, 444-450	20
269	Intranasal insulin treatment of an experimental model of moderate traumatic brain injury. 2017 , 37, 3203-3218	37
268	Connexin40 correlates with oxidative stress in brains of traumatic brain injury rats. 2017 , 35, 217-224	15
267	Pathophysiology and Treatment of Memory Dysfunction After Traumatic Brain Injury. 2017 , 17, 52	42
266	Refining environmental enrichment to advance rehabilitation based research after experimental traumatic brain injury. 2017 , 294, 12-18	15
265	Sleep-Wake Disturbances After Traumatic Brain Injury: Synthesis of Human and Animal Studies. 2017 , 40,	64
264	Central Nervous System Changes Induced by Underbody Blast-Induced Hyperacceleration: An in Vivo Diffusion Tensor Imaging and Magnetic Resonance Spectroscopy Study. 2017 , 34, 1972-1980	8
263	Impact of Traumatic Brain Injury on Dopaminergic Transmission. 2017 , 26, 1156-1168	31
262	Controlled Cortical Impact in the Rat. 2017 , 81, 9.62.1-9.62.12	5
261	Pre-clinical models in pediatric traumatic brain injury-challenges and lessons learned. 2017 , 33, 1693-1701	20
260	Metabolic imaging of energy metabolism in traumatic brain injury using hyperpolarized [1-C]pyruvate. 2017 , 7, 1907	36
259	The protective effect of hydrogen sulfide (HS) on traumatic brain injury (TBI) induced memory deficits in rats. 2017 , 134, 177-182	25
258	Comparable impediment of cognitive function in female and male rats subsequent to daily administration of haloperidol after traumatic brain injury. 2017 , 296, 62-68	12
257	Establishing the ferret as a gyrencephalic animal model of traumatic brain injury: Optimization of controlled cortical impact procedures. <i>Journal of Neuroscience Methods</i> , 2017 , 285, 82-96	3 21
256	Traumatic brain injury, diabetic neuropathy and altered-psychiatric health: The fateful triangle. 2017 , 108, 69-80	9
255	Galantamine and Environmental Enrichment Enhance Cognitive Recovery after Experimental Traumatic Brain Injury But Do Not Confer Additional Benefits When Combined. 2017 , 34, 1610-1622	16

254	Systemic administration of cell-free exosomes generated by human bone marrow derived mesenchymal stem cells cultured under 2D and 3D conditions improves functional recovery in rats after traumatic brain injury. 2017 , 111, 69-81	199
253	Persistent Behavioral Deficits in Rats after Parasagittal Fluid Percussion Injury. 2017 , 34, 1086-1096	24
252	The potential for animal models to provide insight into mild traumatic brain injury: Translational challenges and strategies. 2017 , 76, 396-414	84
251	Diffuse Axonal Injury and Oxidative Stress: A Comprehensive Review. 2017 , 18,	60
250	Epilepsy After Traumatic Brain Injury. 2017 , 661-681	7
249	Overview of Traumatic Brain Injury: An Immunological Context. 2017 , 7,	52
248	Validation of Acoustic Wave Induced Traumatic Brain Injury in Rats. 2017 , 7,	2
247	Mini Review of Controlled Cortical Impact: A Well-Suited Device for Concussion Research. 2017 , 7,	9
246	Considerations for Experimental Animal Models of Concussion, Traumatic Brain Injury, and Chronic Traumatic Encephalopathy-These Matters Matter. 2017 , 8, 240	43
245	IL-2/Anti-IL-2 Complex Attenuates Inflammation and BBB Disruption in Mice Subjected to Traumatic Brain Injury. 2017 , 8, 281	23
244	FeTPPS Reduces Secondary Damage and Improves Neurobehavioral Functions after Traumatic Brain Injury. 2017 , 11, 6	10
243	Brain Edema Formation in Traumatic Brain Injury. 2017 , 235-259	1
242	A simple rat model of mild traumatic brain injury: a device to reproduce anatomical and neurological changes of mild traumatic brain injury. 2017 , 5, e2818	6
241	Improving on Laboratory Traumatic Brain Injury Models to Achieve Better Results. 2017 , 14, 494-505	9
240	Traumatic Brain Injury: Preclinical Imaging Diagnostic(s) and Therapeutic Approaches. 2017 , 23, 1909-1915	8
239	Effects of concussion on the blood-brain barrier in humans and rodents. 2017 , 1,	17
238	Decompressive craniectomy protects against hippocampal edema and behavioral deficits at an early stage of a moderately controlled cortical impact brain injury model in adult male rats. 2018 , 345, 1-8	2
237	A Lateral Fluid Percussion Injury Model for Studying Traumatic Brain Injury in Rats. 2018 , 1717, 27-36	4

236	Central Infusion of Insulin-Like Growth Factor-1 Increases Hippocampal Neurogenesis and Improves Neurobehavioral Function after Traumatic Brain Injury. 2018 , 35, 1467-1480	26
235	EPO improved neurologic outcome in rat pups late after traumatic brain injury. 2018 , 40, 367-375	6
234	Traumatic brain injury: classification, models, and markers. 2018 , 96, 391-406	41
233	The ketogenic diet as a treatment for traumatic brain injury: a scoping review. 2018 , 32, 416-422	17
232	Progression of histopathological and behavioral abnormalities following mild traumatic brain injury in the male ferret. 2018 , 96, 556-572	11
231	Current understanding of neuroinflammation after traumatic brain injury and cell-based therapeutic opportunities. 2018 , 21, 137-151	92
230	Protein profiling in serum after traumatic brain injury in rats reveals potential injury markers. 2018 , 340, 71-80	20
229	Large animal models of traumatic brain injury. 2018 , 96, 527-535	66
228	Effects of DHA on Hippocampal Autophagy and Lysosome Function After Traumatic Brain Injury. 2018 , 55, 2454-2470	33
227	17βEstradiol rescues damages following traumatic brain injury from molecule to behavior in mice. 2018 , 233, 1712-1722	22
226	Post-Injury Administration of Galantamine Reduces Traumatic Brain Injury Pathology and Improves Outcome. 2018 , 35, 362-374	20
225	Erythropoietin Attenuates the Brain Edema Response after Experimental Traumatic Brain Injury. 2018 , 35, 671-680	20
224	A Controlled Cortical Impact Preclinical Model of Traumatic Brain Injury. 2018 , 1727, 385-391	6
223	Neurotrophic Factors. 2018 ,	4
222	Toll-Like Receptor 4 Knockdown Attenuates Brain Damage and Neuroinflammation After Traumatic Brain Injury via Inhibiting Neuronal Autophagy and Astrocyte Activation. 2018 , 38, 1009-1019	36
221	Spontaneous recovery of traumatic brain injury-induced functional deficits is not hindered by daily administration of lorazepam. 2018 , 339, 215-221	
220	Docosahexaenoic acid (DHA) enhances the therapeutic potential of neonatal neural stem cell transplantation post-Traumatic brain injury. 2018 , 340, 1-13	16
219	Treatment of Traumatic Brain Injury with Vepoloxamer (Purified Poloxamer 188). 2018 , 35, 661-670	12

218	Hypertonic Saline Alleviates Brain Edema After Traumatic Brain Injury via Downregulation of Aquaporin 4 in Rats. 2018 , 24, 1863-1870	12
217	Topics in Cognitive Rehabilitation in the TBI Post-Hospital Phase. 2018 ,	
216	Chronic Upregulation of Cleaved-Caspase-3 Associated with Chronic Myelin Pathology and Microvascular Reorganization in the Thalamus after Traumatic Brain Injury in Rats. 2018 , 19,	12
215	Criteria to define mild, moderate, and severe traumatic brain injury in the mouse controlled cortical impact model. 2018 , 310, 48-57	36
214	Novel-graded traumatic brain injury model in rats induced by closed head impacts. 2018 , 38, 484-492	6
213	Juvenile Traumatic Brain Injury Results in Cognitive Deficits Associated with Impaired Endoplasmic Reticulum Stress and Early Tauopathy. 2018 , 40, 175-188	8
212	Dietary Zinc Modulates Matrix Metalloproteinases in Traumatic Brain Injury. 2018 , 35, 2495-2506	10
211	Development of a Rodent Model of Closed Head Injury: The Maryland Model. 2018 , 111-121	
210	Preclinical Models of Traumatic Brain Injury: Emerging Role of Glutamate in the Pathophysiology of Depression. 2018 , 9, 579	14
209	Biomechanical analysis of fluid percussion model of brain injury. 2018 , 77, 228-232	6
208	The Inflammatory Continuum of Traumatic Brain Injury and Alzheimer's Disease. 2018 , 9, 672	51
207	Hippocampal neuropeptide Y protein expression following controlled cortical impact and posttraumatic epilepsy. 2018 , 87, 188-194	6
206	Transcranial magnetic stimulation and environmental enrichment enhances cortical excitability and functional outcomes after traumatic brain injury. 2018 , 11, 1306-1313	18
205	Involvement of Activation of Asparaginyl Endopeptidase in Tau Hyperphosphorylation in Repetitive Mild Traumatic Brain Injury. 2018 , 64, 709-722	14
204	Delayed and Abbreviated Environmental Enrichment after Brain Trauma Promotes Motor and Cognitive Recovery That Is Not Contingent on Increased Neurogenesis. 2019 , 36, 756-767	10
203	Modelling traumatic brain injury and posttraumatic epilepsy in rodents. 2019 , 123, 8-19	29
202	Serum-Based Phospho-Neurofilament-Heavy Protein as Theranostic Biomarker in Three Models of Traumatic Brain Injury: An Operation Brain Trauma Therapy Study. 2019 , 36, 348-359	17
201	Animal Models of Acute Neurological Injury. 2019 ,	2

200	Acute and chronic effects of single dose memantine after controlled cortical impact injury in adult rats. 2019 , 37, 245-263	2
199	The potential and challenge of multicenter preclinical research. 2019 , 156, 106152	
198	Murine Model of Controlled Cortical Impact for the Induction of Traumatic Brain Injury. 2019 ,	3
197	Tauopathies in Traumatic Brain Injury. 2019 , 113-129	
196	A Systematic Review of Closed Head Injury Models of Mild Traumatic Brain Injury in Mice and Rats. 2019 , 36, 1683-1706	51
195	A microfabricated, 3D-sharpened silicon shuttle for insertion of flexible electrode arrays through dura mater into brain. 2019 , 16, 066021	17
194	Endothelial Targeted Strategies to Combat Oxidative Stress: Improving Outcomes in Traumatic Brain Injury. 2019 , 10, 582	22
193	(-)-Phenserine Ameliorates Contusion Volume, Neuroinflammation, and Behavioral Impairments Induced by Traumatic Brain Injury in Mice. 2019 , 28, 1183-1196	7
192	Mammalian Models of Traumatic Brain Injury and a Place for in TBI Research. 2019 , 13, 409	11
191	A Tilted Axis: Maladaptive Inflammation and HPA Axis Dysfunction Contribute to Consequences of TBI. 2019 , 10, 345	42
190	Diffuse white matter response in trauma-injured brain to bone marrow stromal cell treatment detected by diffusional kurtosis imaging. 2019 , 1717, 127-135	3
189	Infections after a traumatic brain injury: The complex interplay between the immune and neurological systems. 2019 , 79, 63-74	31
188	Modelling human pathology of traumatic brain injury in animal models. 2019 , 285, 594-607	15
187	What Happens to Concussed Animals?. 2019 , 153-204	
186	Effects of nicotinamide on spatial memory and inflammation after juvenile traumatic brain injury. 2019 , 364, 123-132	5
185	Chronic treatment with galantamine rescues reversal learning in an attentional set-shifting test after experimental brain trauma. 2019 , 315, 32-41	12
184	Defining and Managing Pain in Stroke and Traumatic Brain Injury Research. 2019 , 69, 510-519	2
183	Cystometric Measurements in Rats with an Experimentally Induced Traumatic Brain Injury and Voiding Dysfunction: A Time-Course Study. 2019 , 9,	3

182	Animal Models of Traumatic Brain Injury and Assessment of Injury Severity. 2019 , 56, 5332-5345		80
181	Variability and uncertainty in the rodent controlled cortical impact model of traumatic brain injury. <i>Journal of Neuroscience Methods</i> , 2019 , 312, 37-42	3	2
180	Quantifying the Effect of Repeated Impacts and Lateral Tip Movements on Brain Responses during Controlled Cortical Impact. 2019 , 36, 1828-1835		5
179	Intermittent Administration of Haloperidol after Cortical Impact Injury Neither Impedes Spontaneous Recovery Nor Attenuates the Efficacy of Environmental Enrichment. 2019 , 36, 1606-1614		0
178	Microglia Receptors in Animal Models of Traumatic Brain Injury. 2019 , 56, 5202-5228		29
177	Converging early responses to brain injury pave the road to epileptogenesis. 2019 , 97, 1335-1344		8
176	Biomechanical simulation of traumatic brain injury in the rat. 2019 , 64, 114-121		7
175	Cerebral blood vessel damage in traumatic brain injury. 2019 , 64, 98-113		21
174	Neuroinflammation and blood-brain barrier disruption following traumatic brain injury: Pathophysiology and potential therapeutic targets. 2020 , 98, 19-28		55
173	Effects of controlled cortical impact and docosahexaenoic acid on rat pup fatty acid profiles. 2020 , 378, 112295		3
172	Experimental Traumatic Brain Injury during Adolescence Enhances Cocaine Rewarding Efficacy and Dysregulates Dopamine and Neuroimmune Systems in Brain Reward Substrates. 2020 , 37, 27-42		10
171	Corticosterone Replacement Alleviates Hippocampal Neuronal Apoptosis and Spatial Memory Impairment Induced by Dexamethasone via Promoting Brain Corticosteroid Receptor Rebalance after Traumatic Brain Injury. 2020 , 37, 262-272		12
170	Traumatic Brain Injury Induces Tau Aggregation and Spreading. 2020 , 37, 80-92		47
169	Rat Models of Central Nervous System Injury. 2020 , 1023-1075		
168	Role of the PGE receptor subtypes EP1, EP2, and EP3 in repetitive traumatic brain injury. 2020 , 26, 628-635		5
167	Aquaporin-4 Dysregulation in a Controlled Cortical Impact Injury Model of Posttraumatic Epilepsy. 2020 , 428, 140-153		14
166	Inadequate Expression and Activation of Mineralocorticoid Receptor Aggravates Spatial Memory Impairment after Traumatic Brain Injury. 2020 , 424, 1-11		8
165	Traumatic brain injury enhances the formation of heterotopic ossification around the hip: an animal model study. 2020 , 140, 1029-1035		4

164	Neurogenic Niche Conversion Strategy Induces Migration and Functional Neuronal Differentiation of Neural Precursor Cells Following Brain Injury. 2020 , 29, 235-248	5
163	Animal Models of Post-Traumatic Epilepsy. 2019 , 10,	7
162	Cross-Correlation and Coherence Analysis of Electrocortigrams in Rats Subjected to Craniocerebral Trauma. 2020 , 50, 1216-1223	3
161	Glucose transporters in brain in health and disease. 2020 , 472, 1299-1343	95
160	The effects of glial cells inhibition on spatial reference, reversal and working memory deficits in a rat model of traumatic brain injury (TBI). 2020 , 1-11	4
159	Recovery of Theta Frequency Oscillations in Rats Following Lateral Fluid Percussion Corresponds With a Mild Cognitive Phenotype. 2020 , 11, 600171	1
158	The CCL2/CCL7/CCL12/CCR2 pathway is substantially and persistently upregulated in mice after traumatic brain injury, and CCL2 modulates the complement system in microglia. 2020 , 54, 101671	4
157	Ethanol Intoxication Alleviates the Inflammatory Response of Remote Organs to Experimental Traumatic Brain Injury. 2020 , 21,	4
156	Experimental Models of Traumatic Brain Injury. 2020 , 24-33	
155	Inflammation in Traumatic Brain Injury. 2020 , 74, 1-28	10
154	The Behavioral Neuroscience of Traumatic Brain Injury. 2020 , 43, 305-330	1
153	Non-Invasive Ultrasound Detection of Cerebrovascular Changes in a Mouse Model of Traumatic Brain Injury. 2020 , 37, 2157-2168	1
152	Nrf2/HO-1 mediates the neuroprotective effects of pramipexole by attenuating oxidative damage and mitochondrial perturbation after traumatic brain injury in rats. 2020 , 13,	9
151	Combined Diffusion Tensor Imaging and Quantitative Susceptibility Mapping Discern Discrete Facets of White Matter Pathology Post-injury in the Rodent Brain. 2020 , 11, 153	9
150	A Preclinical Controlled Cortical Impact Model for Traumatic Hemorrhage Contusion and Neuroinflammation. 2020 ,	
149	Cell Death and Recovery in Traumatic Brain Injury. 2020 , 17, 446-456	27
148	A New Model of Repetitive Traumatic Brain Injury in Mice. 2019 , 13, 1417	9
147	Biomarkers for posttraumatic epilepsy. 2021 , 121, 107080	4

146	Biological links between traumatic brain injury and Parkinson's disease. 2020 , 8, 45	26
145	Melatonin Provides Neuroprotection Following Traumatic Brain Injury-Promoted Mitochondrial Perturbation in Wistar Rat. 2021 , 41, 765-781	5
144	Abolishing UCHL1's hydrolase activity exacerbates TBI-induced axonal injury and neuronal death in mice. 2021 , 336, 113524	4
143	Mechanosensation in traumatic brain injury. 2021 , 148, 105210	13
142	Glibenclamide Treatment in Traumatic Brain Injury: Operation Brain Trauma Therapy. 2021 , 38, 628-645	8
141	Early intervention with levetiracetam prevents the development of cortical hyperexcitability and spontaneous epileptiform activity in two models of neurotrauma in rats. 2021 , 337, 113571	3
140	Enhancement of intrinsic neuronal excitability-mediated by a reduction in hyperpolarization-activated cation current (I _h) in hippocampal CA1 neurons in a rat model of traumatic brain injury. 2021 , 31, 156-169	3
139	Differential Regional Responses in Soluble Monomeric Alpha Synuclein Abundance Following Traumatic Brain Injury. 2021 , 58, 362-374	3
138	An In Vivo Study of a Rat Fluid-Perfusion-Induced Traumatic Brain Injury Model with [¹¹ C]PBR28 and [¹⁸ F]flumazenil PET Imaging. 2021 , 22,	1
137	Temporal changes in inflammatory mitochondria-enriched microRNAs following traumatic brain injury and effects of miR-146a nanoparticle delivery. 2021 , 16, 514-522	10
136	The cushioning function of woodpecker's jaw apparatus during the pecking process. 2021 , 24, 527-537	3
135	Docosahexaenoic acid decreased inflammatory gene expression, but not 18-kDa translocator protein binding, in rat pup brain after controlled cortical impact. 2021 , 90, 866-873	1
134	Identification of MicroRNA-Potassium Channel Messenger RNA Interactions in the Brain of Rats With Post-traumatic Epilepsy. 2020 , 13, 610090	1
133	Novel Synthetic and Natural Therapies for Traumatic Brain Injury. 2021 , 19, 1661-1687	4
132	Repetitive Mild Head Trauma Induces Activity-Mediated Lifelong Brain Deficits in a Novel Drosophila Model.	
131	GdDO3NI allows imaging of hypoxia after brain injury.	
130	Translational neuroimaging in mild traumatic brain injury. 2021 ,	1
129	Repetitive mild head trauma induces activity mediated lifelong brain deficits in a novel Drosophila model. 2021 , 11, 9738	3

128	Intranasally Administered L-Myc-Immortalized Human Neural Stem Cells Migrate to Primary and Distal Sites of Damage after Cortical Impact and Enhance Spatial Learning. 2021 , 2021, 5549381	2
127	MiR-17-92 Cluster-Enriched Exosomes Derived from Human Bone Marrow Mesenchymal Stromal Cells Improve Tissue and Functional Recovery in Rats after Traumatic Brain Injury. 2021 , 38, 1535-1550	9
126	Human platelet lysate biotherapy for traumatic brain injury: preclinical assessment. 2021 , 144, 3142-3158	3
125	Platelet-like particles reduce coagulopathy-related and neuroinflammatory pathologies post-experimental traumatic brain injury. 2021 , 109, 2268-2278	2
124	Animal models of traumatic brain injury: a review of pathophysiology to biomarkers and treatments. 2021 , 239, 2939-2950	6
123	Unconventional animal models for traumatic brain injury and chronic traumatic encephalopathy. 2021 , 99, 2463-2477	3
122	Roadmap for Advancing Pre-Clinical Science in Traumatic Brain Injury. 2021 , 38, 3204-3221	4
121	Reductions in Synaptic Vesicle Glycoprotein 2 Isoforms in the Cortex and Hippocampus in a Rat Model of Traumatic Brain Injury. 2021 , 58, 6006-6019	2
120	Time-Course Evaluation of Brain Regional Mitochondrial Bioenergetics in a Pre-Clinical Model of Severe Penetrating Traumatic Brain Injury. 2021 , 38, 2323-2334	0
119	Validation of Dexamethasone-Enhanced Continuous-Online Microdialysis for Monitoring Glucose for 10 Days after Brain Injury. 2021 , 12, 3588-3597	1
118	Activation peptide of coagulation factor IX improves the prognosis after traumatic brain injury. 2021 , 569, 35-40	
117	Kollidon VA64 Treatment in Traumatic Brain Injury: Operation Brain Trauma Therapy. 2021 , 38, 2454-2472	1
116	Axonal marker neurofilament light predicts long-term outcomes and progressive neurodegeneration after traumatic brain injury. 2021 , 13, eabg9922	9
115	Mutation of a Ubiquitin Carboxy Terminal Hydrolase L1 Lipid Binding Site Alleviates Cell Death, Axonal Injury, and Behavioral Deficits After Traumatic Brain Injury in Mice. 2021 , 475, 127-136	0
114	Rodent models used in preclinical studies of deep brain stimulation to rescue memory deficits. 2021 , 130, 410-432	
113	From biomechanics to pathology: predicting axonal injury from patterns of strain after traumatic brain injury. 2021 , 144, 70-91	12
112	3D Printed Hydrogels with Aligned Microchannels to Guide Neural Stem Cell Migration. 2021 , 7, 690-700	6
111	A Selective Depolarisation-Induced Increase in Excitatory Amino Acid Neurotransmitter Release in Rat Medial Prefrontal Cortex Using a Microdialysis Model of Traumatic Brain Injury. 2005 , 393-404	1

110	Axonal Damage due to Traumatic Brain Injury. 2009 , 343-361	5
109	Brain Injury Biomechanics. 1993 , 268-291	9
108	Neural stem cell transplantation in an animal model of traumatic brain injury. 2014 , 1210, 9-21	4
107	Models of Rodent Cortical Traumatic Brain Injury. 2011 , 193-209	4
106	Modulation of AQP4 expression by the selective V1a receptor antagonist, SR49059, decreases trauma-induced brain edema. 2008 , 102, 425-9	38
105	Assessment of 2-chloroadenosine treatment after experimental traumatic brain injury in the rat using arterial spin-labeled MRI: a preliminary report. 2000 , 76, 187-9	5
104	Characterizing edema associated with cortical contusion and secondary insult using magnetic resonance spectroscopy. 2000 , 76, 273-5	13
103	Magnetic resonance imaging studies with cluster algorithm for characterization of brain edema after controlled cortical impact injury (CCII). 1998 , 71, 303-5	29
102	Experimental models of head trauma. 2002 , 83, 49-54	15
101	Hemodynamic depression and microthrombosis in the peripheral areas of cortical contusion in the rat: role of platelet activating factor. 1997 , 70, 102-5	39
100	Characterisation of brain edema following "controlled cortical impact injury" in rats. 1997 , 70, 106-8	37
99	Animal Models of Traumatic Brain Injury. 2011 , 3300-3304	2
98	A new model of repeat mTBI in adolescent rats. 2020 , 331, 113360	3
97	Early and Sustained Increase in the Expression of Hippocampal IGF-1, But Not EPO, in a Developmental Rodent Model of Traumatic Brain Injury. 110306202453044	1
96	Effect of hyperglycemia after cortical injury. 1997 , 25, 1267-8	7
95	Treatment of secondary ischemic insults after traumatic brain injury. 2000 , 28, 3358-9	4
94	Segmental Vascular Resistance After Mild Controlled Cortical Impact Injury in the Rat. 2003 , 210-218	6
93	Novel Diketopiperazine Enhances Motor and Cognitive Recovery After Traumatic Brain Injury in Rats and Shows Neuroprotection In Vitro and In Vivo. 2003 , 342-354	30

92	Experimental models of brain trauma. 1999 , 12, 715-21	87
91	Mechanisms of neurodegeneration after paediatric brain injury. 2000 , 13, 141-5	13
90	Epitranscriptomic profiling of N6-methyladenosine-related RNA methylation in rat cerebral cortex following traumatic brain injury. 2020 , 13, 11	21
89	Protein Biomarkers in Traumatic Brain Injury: An Omics Approach. 2014 , 42-75	2
88	MRI of neuronal recovery after low-dose methamphetamine treatment of traumatic brain injury in rats. 2013 , 8, e61241	16
87	Astrocyte-Specific Overexpression of Insulin-Like Growth Factor-1 Protects Hippocampal Neurons and Reduces Behavioral Deficits following Traumatic Brain Injury in Mice. 2013 , 8, e67204	67
86	Characterizing brain structures and remodeling after TBI based on information content, diffusion entropy. 2013 , 8, e76343	15
85	Real-time optical diagnosis of the rat brain exposed to a laser-induced shock wave: observation of spreading depolarization, vasoconstriction and hypoxemia-oligemia. 2014 , 9, e82891	27
84	Subacute intranasal administration of tissue plasminogen activator promotes neuroplasticity and improves functional recovery following traumatic brain injury in rats. 2014 , 9, e106238	25
83	Role of the prostaglandin E2 EP1 receptor in traumatic brain injury. 2014 , 9, e113689	15
82	Preservation of the blood brain barrier and cortical neuronal tissue by liraglutide, a long acting glucagon-like-1 analogue, after experimental traumatic brain injury. 2015 , 10, e0120074	28
81	Early Gelatinase Activity Is Not a Determinant of Long-Term Recovery after Traumatic Brain Injury in the Immature Mouse. 2015 , 10, e0143386	15
80	Righting Reflex Predicts Long-Term Histological and Behavioral Outcomes in a Closed Head Model of Traumatic Brain Injury. 2016 , 11, e0161053	11
79	Brain Injury-Induced Synaptic Reorganization in Hilar Inhibitory Neurons Is Differentially Suppressed by Rapamycin. 2017 , 4,	13
78	Traumatic brain injury: clinical and pathological parameters in an experimental weightdrop model. 2011 , 26, 94-100	7
77	SELECTIVE CYCLOOXYGENASE-2 INHIBITION REVERSES MICROCIRCULATORY AND INFLAMMATORY SEQUELAE OF CLOSED SOFT-TISSUE TRAUMA IN AN ANIMAL MODEL. 2005 , 87, 153-160	5
76	Targeting Dopamine in Acute Traumatic Brain Injury. 2010 , 2, 119-128	26
75	Robust training attenuates TBI-induced deficits in reference and working memory on the radial 8-arm maze. 2013 , 7, 38	17

- 74 The Role of Estradiol in Traumatic Brain Injury: Mechanism and Treatment Potential. **2020**, 22, 5
- 73 Targeting $\alpha 7$ nicotinic acetylcholine receptors: a future potential for neuroprotection from traumatic brain injury. **2015**, 10, 1552-4 11
- 72 Automated monitoring of early neurobehavioral changes in mice following traumatic brain injury. **2016**, 11, 248-56 12
- 71 Magnetic resonance imaging-three-dimensional printing technology fabricates customized scaffolds for brain tissue engineering. **2017**, 12, 614-622 25
- 70 Hypoxia inducible factor-1 alpha stabilization for regenerative therapy in traumatic brain injury. **2017**, 12, 696-701 23
- 69 Brain injury and neural stem cells. **2018**, 13, 7-18 27
- 68 Acute histopathological responses and long-term behavioral outcomes in mice with graded controlled cortical impact injury. **2019**, 14, 997-1003 5
- 67 Factors Affecting Functional Outcome after Decompressive Craniectomy Performed for Traumatic Brain Injury: A Retrospective, Cross-sectional Study. **2018**, 13, 730-736 4
- 66 Time profile of neuron specific enolase serum levels after experimental brain injury in rat. **2000**, 76, 371-3 7
- 65 Rigid Indentation Models of Traumatic Brain Injury in the Rat. **2000**, 371-392
- 64 The effects of dopamine on edema formation in two models of traumatic brain injury. **2000**, 76, 147-51 10
- 63 Effects of edaravone on experimental brain injury in view of free radical reaction. **2003**, 86, 309-11 7
- 62 Trauma of the Nervous System. **2008**, 1083-1093
- 61 Vascular Endothelial Growth Factor (VEGF) Expression in Contused Brain Tissue: The Role of Angiogenesis after Traumatic Brain Injury in Rats. **2010**, 69, 298-303
- 60 Effect of Minocycline on Inflammatory Cell Reactions in Cerebral Contusion in Rats. **2011**, 70, 237-243
- 59 References. **2011**, 763-840
- 58 Historical Perspectives in Understanding Traumatic Brain Injury and in Situating Disruption in CBF in the Pathotrajectory of Head Trauma. **2013**, 1-27
- 57 Effects on Blood Supply and on Arterial and Venous Tonus. **2014**, 1-91

- 56 Head Trauma Model Systems. **1992**, 76-89
- 55 Experimental Traumatic Brain Injury: Implications for Clinical Treatment. **1997**, 123-138
- 54 The effect of human corticotrophin releasing factor on the formation of post-traumatic cerebral edema. **1998**, 71, 149-52 5
- 53 Neuroprotective properties of aptiganel HCL (Cerestat) following controlled cortical impact injury. **1998**, 71, 114-6 3
- 52 Biomechanics of Brain Injury: A Historical Perspective. **2015**, 221-245 1
- 51 Modeling Traumatic Brain Injury-Induced Alterations in Alcohol Use Behaviors. **2015**, 681-686
- 50 Memory Disruption Following Traumatic Brain Injury. **2016**, 283-320
- 49 Effects on Blood Supply and on Arterial and Venous Tonus. **2016**, 349-428
- 48 Role of Autophagy in Brain Sculpture: Physiological and Pathological Implications. **2016**, 203-234
- 47 Head Injury Research: Experimental Studies. **2018**, 77-110
- 46 Post-traumatic Epilepsy. **2018**, 49-59
- 45 Effect of Erythropoietin Therapy at Different Time on Cognitive Function and Neural Plasticity in Adult Traumatic Brain Injury Rats. **2018**, 07, 35-41
- 44 Controlled Cortical Impact for Modeling Traumatic Brain Injury in Animals. **2018**, 81-95
- 43 The Controlled Cortical Impact Model of Experimental Brain Trauma: Overview, Research Applications, and Protocol. **2019**, 349-365
- 42 A microfabricated, 3D-sharpened silicon shuttle for insertion of flexible electrode arrays through dura mater into brain.
- 41 Temporal Profile of Transporter mRNA Expression in the Brain after Traumatic Brain Injury in Developing Rats.
- 40 MicroRNAs: The New Challenge for Traumatic Brain Injury Diagnosis. **2020**, 18, 319-331 4
- 39 Depression following traumatic brain injury: a comprehensive overview. **2021**, 32, 289-303 4

38	Biofidelic dynamic compression of human cortical spheroids reproduces neurotrauma phenotypes. 2021,	1
37	TrkB gene transfer does not alter hippocampal neuronal loss and cognitive deficits following traumatic brain injury in mice. 2008, 26, 45-56	11
36	Combination of stem cell mobilized by granulocyte-colony stimulating factor and human umbilical cord matrix stem cell: therapy of traumatic brain injury in rats. 2011, 14, 327-39	10
35	Comparison of transplantation of bone marrow stromal cells (BMSC) and stem cell mobilization by granulocyte colony stimulating factor after traumatic brain injury in rat. 2010, 14, 142-9	19
34	Lesion Volume Estimation from TBI-MRI. 2018, 563, 197-207	1
33	Low-intensity Blast Wave Model for Preclinical Assessment of Closed-head Mild Traumatic Brain Injury in Rodents. 2020,	2
32	Low-intensity Blast Wave Model for Preclinical Assessment of Closed-head Mild Traumatic Brain Injury in Rodents. 2020,	2
31	Integrated Proteome and Phosphoproteome Analyses Reveal Early- and Late-Stage Protein Networks of Traumatic Brain Injury.. 2022, 72, 759	
30	A role for insulin-like growth factor-1 in hippocampal plasticity following traumatic brain injury.. 2022, 118, 423-455	0
29	Neuroprotective Effects of the Inert Gas Argon on Experimental Traumatic Brain Injury In Vivo with the Controlled Cortical Impact Model in Mice.. 2022, 11,	1
28	The Nanotheranostic Researcher's Guide for Use of Animal Models of Traumatic Brain Injury. 2021, 2, 224-268	0
27	Table_1.DOCX. 2020,	
26	Data_Sheet_1.pdf. 2019,	
25	Image_1.pdf. 2019,	
24	Video_1.MP4. 2019,	
23	Characterizing Brain Perfusion in a Swine Model of Raised Intracranial Pressure. 2022, 278, 64-69	0
22	All-Trans Retinoic Acid Dose Response to Evaluate Therapeutic Effects on Cognition and Hippocampal Protein Expression after Controlled Cortical Impact.	
21	Neuroprotective activity of a virus-safe nanofiltered human platelet lysate depleted of extracellular vesicles in Parkinson's disease and traumatic brain injury models.	0

- 20 Vitamin D Protects against Traumatic Brain Injury via Modulating TLR4/MyD88/NF- κ B Pathway-Mediated Microglial Polarization and Neuroinflammation. **2022**, 2022, 1-12 1
- 19 Evaluation of decompressive craniectomy in mice after severe traumatic brain injury. 13,
- 18 A companion to the preclinical common data elements for rodent models of pediatric acquired epilepsy: A report of the TASK3-WG1B , Pediatric and Genetic Models Working Group of the ILAE / AES Joint Translational Task Force. 0
- 17 A Novel Laser-Based Zebrafish Model for Studying Traumatic Brain Injury and Its Molecular Targets. **2022**, 14, 1751
- 16 Defining Experimental Variability in Actuator-Driven Closed Head Impact in Rats. 0
- 15 Short-Term Cortical Electrical Stimulation during the Acute Stage of Traumatic Brain Injury Improves Functional Recovery. **2022**, 10, 1965 0
- 14 The effects of Na⁺-K⁺-2Cl⁻ cotransporter inhibition on passive avoidance learning and memory deficit in a rat model of traumatic brain injury.
- 13 All-trans Retinoic Acid has Limited Therapeutic Effects on Cognition and Hippocampal Protein Expression After Controlled Cortical Impact. **2022**, 499, 130-141
- 12 Epilepsy Characteristics in Neurodevelopmental Disorders: Research from Patient Cohorts and Animal Models Focusing on Autism Spectrum Disorder. **2022**, 23, 10807 0
- 11 Catalpol Ameliorates Oxidative Stress and Neuroinflammation after Traumatic Brain Injury in Rats. 0
- 10 Assessment of behavioral, neuroinflammatory, and histological responses in a model of rat repetitive mild fluid percussion injury at 2 weeks post-injury. 13, 0
- 9 An integrated analysis of gut microbiota and the brain transcriptome reveals host-gut microbiota interactions following traumatic brain injury. **2022**, 148149 0
- 8 Animal models of traumatic brain injury. **2023**, 91-103 0
- 7 The Role of Decreased Levels of Neuronal Autophagy in Increased Susceptibility to Post-traumatic Epilepsy. 0
- 6 Therapeutic role of microRNAs of small extracellular vesicles from human mesenchymal stromal/stem cells in the treatment of experimental traumatic brain injury. 0
- 5 BloodBrain barrier damage following mild traumatic brain injury. **2023**, 133-144 0
- 4 The Effect of Minocycline on MMP-9 Levels in Traumatic Brain Injury: An Experimental Study in Wistar Rats. **2022**, 10, 1630-1633 0
- 3 Nanoparticle-based drug delivery for the treatment of traumatic brain injury. 1-19 0

- 2 In-vivo time course of organ uptake and blood-brain-barrier permeation of poly(L-lactide) and poly(perfluorodecyl acrylate) nanoparticles with different surface properties in unharmed and brain-traumatized rats. 14, ○
- 1 Recovery of neurosurgical high-frequency electroporation injury in the canine brain can be accelerated by 7,8-dihydroxyflavone. **2023**, 160, 114372 ○