Douglas H Smith

List of Publications by Year
in descending order

209 papers	20,016 citations	8755 77 h-index	13635 134 g-index
213 all docs	213 docs citations	213 times ranked	14583 citing authors

#	Article	IF	Citations
1	Beta blockade in TBI: Dose-dependent reductions in BBB leukocyte mobilization and permeability in vivo. Journal of Trauma and Acute Care Surgery, 2022, 92, 781-791.	1.1	8
2	Cerebrospinal fluid purinomics as a biomarker approach to predict outcome after severe traumatic brain injury. Journal of Neurochemistry, 2022, 161, 173-186.	2.1	5
3	Non-Linear Device Head Coupling and Temporal Delays in Large Animal Acceleration Models of Traumatic Brain Injury. Annals of Biomedical Engineering, 2022, , 1.	1.3	2
4	Detection of astrocytic tau pathology facilitates recognition of chronic traumatic encephalopathy neuropathologic change. Acta Neuropathologica Communications, 2022, 10, 50.	2.4	13
5	Pre-Clinical Common Data Elements for Traumatic Brain Injury Research: Progress and Use Cases. Journal of Neurotrauma, 2021, 38, 1399-1410.	1.7	22
6	Post-traumatic brain injury antithrombin III recovers Morris water maze cognitive performance, improving cued and spatial learning. Journal of Trauma and Acute Care Surgery, 2021, 91, 108-113.	1.1	3
7	Implantation of Engineered Axon Tracts to Bridge Spinal Cord Injury Beyond the Glial Scar in Rats. Tissue Engineering - Part A, 2021, 27, 1264-1274.	1.6	6
8	COllaborative Neuropathology NEtwork Characterizing ouTcomes of TBI (CONNECT-TBI). Acta Neuropathologica Communications, 2021, 9, 32.	2.4	13
9	Biomanufacturing of Axon-Based Tissue Engineered Nerve Grafts Using Porcine GalSafe Neurons. Tissue Engineering - Part A, 2021, 27, 1305-1320.	1.6	8
10	Reproducibility and Characterization of Head Kinematics During a Large Animal Acceleration Model of Traumatic Brain Injury. Frontiers in Neurology, 2021, 12, 658461.	1.1	6
11	Modeling links softening of myelin and spectrin scaffolds of axons after a concussion to increased vulnerability to repeated injuries. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	17
12	Roadmap for Advancing Pre-Clinical Science in Traumatic Brain Injury. Journal of Neurotrauma, 2021, 38, 3204-3221.	1.7	20
13	Survival Rates and Biomarkers in a Large Animal Model of Traumatic Brain Injury Combined With Two Different Levels of Blood Loss. Shock, 2021, 55, 554-562.	1.0	13
14	Antithrombin III ameliorates postâ€“traumatic brain injury cerebral leukocyte mobilization enhancing recovery of blood brain barrier integrity. Journal of Trauma and Acute Care Surgery, 2021, 90, 274-280.	1.1	9
15	Alzheimer's Disease-Related Dementias Summit 2019: National Research Priorities for the Investigation of Traumatic Brain Injury as a Risk Factor for Alzheimer's Disease and Related Dementias. Journal of Neurotrauma, 2021, 38, 3186-3194.	1.7	6
16	Dorsal root ganglion axons facilitate and guide cortical neural outgrowth: In vitro modeling of spinal cord injury axonal regeneration. Restorative Neurology and Neuroscience, 2020, 38, 1-9.	0.4	7
17	A Strategy Toward Bridging a Complete Spinal Cord Lesion Using Stretch-Grown Axons. Tissue Engineering - Part A, 2020, 26, 623-635.	1.6	3
18	Mechanisms of Local Stress Amplification in Axons near the Gray-White Matter Interface. Biophysical Journal, 2020, 119, 1290-1300.	0.2	9

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19	Tau immunophenotypes in chronic traumatic encephalopathy recapitulate those of ageing and Alzheimerâ€™s disease. Brain, 2020, 143, 1572-1587.	3.7	50
20	A Porcine Model of Peripheral Nerve Injury Enabling Ultra-Long Regenerative Distances: Surgical Approach, Recovery Kinetics, and Clinical Relevance. Neurosurgery, 2020, 87, 833-846.	0.6	21
21	Modeling traumatic brain injury with human brain organoids. Current Opinion in Biomedical Engineering, 2020, 14, 52-58.	1.8	15
22	Tissue Engineered Axon Tracts Serve as Living Scaffolds to Accelerate Axonal Regeneration and Functional Recovery Following Peripheral Nerve Injury in Rats. Frontiers in Bioengineering and Biotechnology, 2020, 8, 492.	2.0	22
23	Genetic interplay with soccer ball heading. Nature Reviews Neurology, 2020, 16, 189-190.	4.9	0
24	â€˜Concussionâ€™ is not a true diagnosis. Nature Reviews Neurology, 2020, 16, 457-458.	4.9	25
25	Serum SNTF, a Surrogate Marker of Axonal Injury, Is Prognostic for Lasting Brain Dysfunction in Mild TBI Treated in the Emergency Department. Frontiers in Neurology, 2020, 11, 249.	1.1	13
26	Astroglial tau pathology alone preferentially concentrates at sulcal depths in chronic traumatic encephalopathy neuropathologic change. Brain Communications, 2020, 2, fcaa210.	1.5	19
27	Cerebral Edema and Neurological Recovery after Traumatic Brain Injury Are Worsened if Accompanied by a Concomitant Long Bone Fracture. Journal of Neurotrauma, 2019, 36, 609-618.	1.7	7
28	High Resolution Computed Tomography Atlas of the Porcine Temporal Bone and Skull Base: Anatomical Correlates for Traumatic Brain Injury Research. Journal of Neurotrauma, 2019, 36, 1029-1039.	1.7	4
29	Neuroimaging Findings in US Government Personnel With Possible Exposure to Directional Phenomena in Havana, Cuba. JAMA - Journal of the American Medical Association, 2019, 322, 336.	3.8	27
30	Chronic traumatic encephalopathy â€” confusion and controversies. Nature Reviews Neurology, 2019, 15, 179-183.	4.9	111
31	Functional Cortical Axon Tracts Generated from Human Stem Cell-Derived Neurons. Tissue Engineering - Part A, 2019, 25, 736-745.	1.6	10
32	Chronic traumatic encephalopathy is a common co-morbidity, but less frequent primary dementia in former soccer and rugby players. Acta Neuropathologica, 2019, 138, 389-399.	3.9	108
33	Blood Biomarkers for Traumatic Brain Injury: A Quantitative Assessment of Diagnostic and Prognostic Accuracy. Frontiers in Neurology, 2019, 10, 446.	1.1	127
34	Testosterone Administration after Traumatic Brain Injury Reduces Mitochondrial Dysfunction and Neurodegeneration. Journal of Neurotrauma, 2019, 36, 2246-2259.	1.7	39
35	Primum non nocere: a call for balance when reporting on CTE. Lancet Neurology, The, 2019, 18, 231-233.	4.9	48
36	An inflammatory pulmonary insult post-traumatic brain injury worsens subsequent spatial learning and neurological outcomes. Journal of Trauma and Acute Care Surgery, 2019, 87, 552-558.	1.1	8

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37	Neuroimaging of US Government Personnel Exposed to Directional Phenomenaâ€"Reply. JAMA - Journal of the American Medical Association, 2019, 322, 2249.	3.8	0
38	Cost-Effectiveness of Biomarker Screening for Traumatic Brain Injury. Journal of Neurotrauma, 2019, 36, 2083-2091.	1.7	21
39	Mechanical disruption of the bloodâ€"brain barrier following experimental concussion. Acta Neuropathologica, 2018, 135, 711-726.	3.9	116
40	Neurological Manifestations Among US Government Personnel Reporting Directional Audible and Sensory Phenomena in Havana, Cuba. JAMA - Journal of the American Medical Association, 2018, 319, 1125.	3.8	83
41	Early low-anticoagulant desulfated heparin after traumatic brain injury: Reduced brain edema and leukocyte mobilization is associated with improved watermaze learning ability weeks after injury. Journal of Trauma and Acute Care Surgery, 2018, 84, 727-735.	1.1	13
42	Newfound sex differences in axonal structure underlie differential outcomes from in vitro traumatic axonal injury. Experimental Neurology, 2018, 300, 121-134.	2.0	104
43	A concomitant bone fracture delays cognitive recovery from traumatic brain injury. Journal of Trauma and Acute Care Surgery, 2018, 85, 275-284.	1.1	14
44	Pre-Clinical Testing of Therapies for Traumatic Brain Injury. Journal of Neurotrauma, 2018, 35, 2737-2754.	1.7	68
45	Induction of a transmissible tau pathology by traumatic brain injury. Brain, 2018, 141, 2685-2699.	3.7	74
46	Sequential stages and distribution patterns of aging-related tau astrogliopathy (ARTAG) in the human brain. Acta Neuropathologica Communications, 2018, 6, 50.	2.4	77
47	Traumatic brain injury: a platform for studies in AÎ² processing. Brain Pathology, 2018, 28, 463-465.	2.1	5
48	Neurological Symptoms in US Government Personnel in Cubaâ€"Reply. JAMA - Journal of the American Medical Association, 2018, 320, 604.	3.8	5
49	Newfound effect of N-acetylaspartate in preventing and reversing aggregation of amyloid-beta in vitro. Neurobiology of Disease, 2018, 117, 161-169.	2.1	6
50	Electrophysiological Signature Reveals Laminar Structure of the Porcine Hippocampus. ENeuro, 2018, 5, ENEURO.0102-18.2018.	0.9	17
51	Multichannel activity propagation across an engineered axon network. Journal of Neural Engineering, 2017, 14, 026016.	1.8	13
52	Early heparin administration after traumatic brain injury. Journal of Trauma and Acute Care Surgery, 2017, 83, 406-412.	1.1	19
53	Multisite Assessment of Aging-Related Tau Astrogliopathy (ARTAG). Journal of Neuropathology and Experimental Neurology, 2017, 76, 605-619.	0.9	38
54	Concussion Induces Hippocampal Circuitry Disruption in Swine. Journal of Neurotrauma, 2017, 34, 2303-2314.	1.7	41

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55	Preclinical modelling of militarily relevant traumatic brain injuries: Challenges and recommendations for future directions. Brain Injury, 2017, 31, 1168-1176.	0.6	24
56	Traumatic Brain Injury as a Trigger of Neurodegeneration. Advances in Neurobiology, 2017, 15, 383-400.	1.3	83
57	Elevated glutamate and lactate predict brain death after severe head trauma. Annals of Clinical and Translational Neurology, 2017, 4, 392-402.	1.7	43
58	Neural Substrate Expansion for the Restoration of Brain Function. Frontiers in Systems Neuroscience, 2016, 10, 1.	1.2	85
59	A model for stretch growth of neurons. Journal of Biomechanics, 2016, 49, 3934-3942.	0.9	15
60	Unfractionated heparin after TBI reduces in vivo cerebrovascular inflammation, brain edema and accelerates cognitive recovery. Journal of Trauma and Acute Care Surgery, 2016, 81, 1088-1094.	1.1	23
61	Neuropathological Characteristics of Brachial Plexus Avulsion Injury With and Without Concomitant Spinal Cord Injury. Journal of Neuropathology and Experimental Neurology, 2016, 75, 69-85.	0.9	9
62	Tackling concussion, beyond Hollywood. Lancet Neurology, The, 2016, 15, 662-663.	4.9	4
63	A Porcine Model of Traumatic Brain Injury via Head Rotational Acceleration. Methods in Molecular Biology, 2016, 1462, 289-324.	0.4	89
64	Does enoxaparin interfere with HMGB1 signaling after TBI? A potential mechanism for reduced cerebral edema and neurologic recovery. Journal of Trauma and Acute Care Surgery, 2016, 80, 381-389.	1.1	24
65	Time to be blunt about blast traumatic brain injury. Lancet Neurology, The, 2016, 15, 896-898.	4.9	4
66	Chronic Traumatic Encephalopathy: The Neuropathological Legacy of Traumatic Brain Injury. Annual Review of Pathology: Mechanisms of Disease, 2016, 11, 21-45.	9.6	158
67	Traumatic Brain Injury and Rationale for a Neuropsychological Diagnosis of Diffuse Axonal Injury. , 2016, , 267-293.		3
68	SNTF immunostaining reveals previously undetected axonal pathology in traumatic brain injury. Acta Neuropathologica, 2016, 131, 115-135.	3.9	102
69	Neuromechanics and Pathophysiology of Diffuse Axonal Injury in Concussion. Bridge, 2016, 46, 79-84.	1.0	6
70	Pre-Clinical Traumatic Brain Injury Common Data Elements: Toward a Common Language Across Laboratories. Journal of Neurotrauma, 2015, 32, 1725-1735.	1.7	86
71	Blood-Brain Barrier Disruption Is an Early Event That May Persist for Many Years After Traumatic Brain Injury in Humans. Journal of Neuropathology and Experimental Neurology, 2015, 74, 1147-1157.	0.9	126
72	Enoxaparin ameliorates postâ€“traumatic brain injury edema and neurologic recovery, reducing cerebral leukocyte endothelial interactions and vessel permeability in vivo. Journal of Trauma and Acute Care Surgery, 2015, 79, 78-84.	1.1	38

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73	Blood-Brain Barrier Disruption Is an Early Event That May Persist for Many Years After Traumatic Brain Injury in Humans. Journal of Neuropathology and Experimental Neurology, 2015, 74, 1147-1157.	0.9	95
74	Mechanical Effects of Dynamic Binding between Tau Proteins on Microtubules during Axonal Injury. Biophysical Journal, 2015, 109, 2328-2337.	0.2	66
75	Animal models of traumatic brain injury. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2015, 127, 115-128.	1.0	127
76	Cellular biomechanics of central nervous system injury. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2015, 127, 105-114.	1.0	18
77	Rebuilding Brain Circuitry with Living Micro-Tissue Engineered Neural Networks. Tissue Engineering - Part A, 2015, 21, 2744-2756.	1.6	58
78	Serum SNTF Increases in Concussed Professional Ice Hockey Players and Relates to the Severity of Postconcussion Symptoms. Journal of Neurotrauma, 2015, 32, 1294-1300.	1.7	99
79	InÂvivo leukocyte-mediated brain microcirculatory inflammation: a comparison ofÂosmotherapies and progesterone in severe traumatic brain injury. American Journal of Surgery, 2014, 208, 961-968.	0.9	15
80	Patterns of Early Emotional and Neuropsychological Sequelae after Mild Traumatic Brain Injury. Journal of Neurotrauma, 2014, 31, 914-925.	1.7	68
81	Viscoelasticity of Tau Proteins Leads to Strain Rate-Dependent Breaking ofÂMicrotubules during Axonal Stretch Injury: Predictions from a Mathematical Model. Biophysical Journal, 2014, 106, 1123-1133.	0.2	148
82	Harnessing Plasticity for the Treatment of Neurosurgical Disorders: An Overview. World Neurosurgery, 2014, 82, 648-659.	0.7	17
83	Inflammation and white matter degeneration persist for years after a single traumatic brain injury. Brain, 2013, 136, 28-42.	3.7	819
84	Neuroprotective effects of progesterone in traumatic brain injury: blunted inÂvivo neutrophil activation at the blood-brain barrier. American Journal of Surgery, 2013, 206, 840-846.	0.9	42
85	Biomarkers of mild traumatic brain injury in cerebrospinal fluid and blood. Nature Reviews Neurology, 2013, 9, 201-210.	4.9	509
86	Axonal pathology in traumatic brain injury. Experimental Neurology, 2013, 246, 35-43.	2.0	949
87	Chronic neuropathologies of single and repetitive TBI: substrates of dementia?. Nature Reviews Neurology, 2013, 9, 211-221.	4.9	590
88	Therapy Development for Diffuse Axonal Injury. Journal of Neurotrauma, 2013, 30, 307-323.	1.7	173
89	Evidence That the Blood Biomarker SNTF Predicts Brain Imaging Changes and Persistent Cognitive Dysfunction in Mild TBI Patients. Frontiers in Neurology, 2013, 4, 190.	1.1	84
90	Inhibition of Nogo-66 Receptor 1 Enhances Recovery of Cognitive Function after Traumatic Brain Injury in Mice. Journal of Neurotrauma, 2013, 30, 247-258.	1.7	31

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91	Updating Memory after Mild Traumatic Brain Injury and Orthopedic Injuries. Journal of Neurotrauma, 2013, 30, 618-624.	1.7	16
92	Bionic Connections. Scientific American, 2012, 308, 52-57.	1.0	13
93	Similar effects of hypertonic saline and mannitol on the inflammation of the blood-brain barrier microcirculation after brain injury in a mouse model. Journal of Trauma and Acute Care Surgery, 2012, 73, 351-357.	1.1	31
94	tPA-S481A Prevents Neurotoxicity of Endogenous tPA in Traumatic Brain Injury. Journal of Neurotrauma, 2012, 29, 1794-1802.	1.7	17
95	Microtissue Engineered Constructs with Living Axons for Targeted Nervous System Reconstruction. Tissue Engineering - Part A, 2012, 18, 2280-2289.	1.6	66
96	Mechanisms of calpain mediated proteolysis of voltage gated sodium channel Î±â€šubunits following in vitro dynamic stretch injury. Journal of Neurochemistry, 2012, 121, 793-805.	2.1	45
97	Biomaterials in the repair of sports injuries. Nature Materials, 2012, 11, 652-654.	13.3	58
98	Microthrombosis after experimental subarachnoid hemorrhage: Time course and effect of red blood cell-bound thrombin-activated pro-urokinase and clazosentan. Experimental Neurology, 2012, 233, 357-363.	2.0	65
99	Partial interruption of axonal transport due to microtubule breakage accounts for the formation of periodic varicosities after traumatic axonal injury. Experimental Neurology, 2012, 233, 364-372.	2.0	275
100	Widespread Tau and Amyloidâ€Beta Pathology Many Years After a Single Traumatic Brain Injury in Humans. Brain Pathology, 2012, 22, 142-149.	2.1	507
101	Allotransplanted Neurons Used to Repair Peripheral Nerve Injury Do Not Elicit Overt Immunogenicity. PLoS ONE, 2012, 7, e31675.	1.1	19
102	Color changing photonic crystals detect blast exposure. NeuroImage, 2011, 54, S37-S44.	2.1	19
103	Mild Traumatic Brain Injury and Diffuse Axonal Injury in Swine. Journal of Neurotrauma, 2011, 28, 1747-1755.	1.7	219
104	Biomechanics of Concussion. Clinics in Sports Medicine, 2011, 30, 19-31.	0.9	283
105	Neural Tissue Engineering for Neuroregeneration and Biohybridized Interface Microsystems In vivo (Part 2). Critical Reviews in Biomedical Engineering, 2011, 39, 241-259.	0.5	26
106	Acute and chronically increased immunoreactivity to phosphorylation-independent but not pathological TDP-43 after a single traumatic brain injury in humans. Acta Neuropathologica, 2011, 122, 715-726.	3.9	76
107	Blast-Induced Color Change in Photonic Crystals Corresponds with Brain Pathology. Journal of Neurotrauma, 2011, 28, 2307-2318.	1.7	20
108	Imipramine Treatment Improves Cognitive Outcome Associated with Enhanced Hippocampal Neurogenesis after Traumatic Brain Injury in Mice. Journal of Neurotrauma, 2011, 28, 995-1007.	1.7	72

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109	Blast-Induced Color Change in Photonic Crystals Corresponds with Brain Pathology. Journal of Neurotrauma, 2011, 28, 2307-2318.	1.7	11
110	Common data elements in radiologic imaging of traumatic brain injury. Journal of Magnetic Resonance Imaging, 2010, 32, 516-543.	1.9	139
111	Signaling, delivery and age as emerging issues in the benefit/risk ratio outcome of tPA For treatment of CNS ischemic disorders. Journal of Neurochemistry, 2010, 113, 303-312.	2.1	39
112	Traumatic brain injury and amyloid-Î² pathology: a link to Alzheimer's disease?. Nature Reviews Neuroscience, 2010, 11, 361-370.	4.9	469
113	Mechanical breaking of microtubules in axons during dynamic stretch injury underlies delayed elasticity, microtubule disassembly, and axon degeneration. FASEB Journal, 2010, 24, 1401-1410.	0.2	325
114	Dendritic alterations after dynamic axonal stretch injury in vitro. Experimental Neurology, 2010, 224, 415-423.	2.0	44
115	Erythrocyte-Bound Tissue Plasminogen Activator is Neuroprotective in Experimental Traumatic Brain Injury. Journal of Neurotrauma, 2009, 26, 1585-1592.	1.7	37
116	A Neprilysin Polymorphism and Amyloid-Î² Plaques after Traumatic Brain Injury. Journal of Neurotrauma, 2009, 26, 1197-1202.	1.7	60
117	Calpain Mediates Proteolysis of the Voltage-Gated Sodium Channel Î±-Subunit. Journal of Neuroscience, 2009, 29, 10350-10356.	1.7	80
118	Long-Term Survival and Integration of Transplanted Engineered Nervous Tissue Constructs Promotes Peripheral Nerve Regeneration. Tissue Engineering - Part A, 2009, 15, 1677-1685.	1.6	59
119	In-VitroApproaches for Studying Blast-Induced Traumatic Brain Injury. Journal of Neurotrauma, 2009, 26, 861-876.	1.7	119
120	Sodium channelopathy induced by mild axonal trauma worsens outcome after a repeat injury. Journal of Neuroscience Research, 2009, 87, 3620-3625.	1.3	110
121	Red Blood Cells-Coupled tPA Prevents Impairment of Cerebral Vasodilatory Responses and Tissue Injury in Pediatric Cerebral Hypoxia/Ischemia through Inhibition of ERK MAPK Activation. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 1463-1474.	2.4	36
122	A Lack of Amyloid Î² Plaques Despite Persistent Accumulation of Amyloid Î² in Axons of Longâ€Term Survivors of Traumatic Brain Injury. Brain Pathology, 2009, 19, 214-223.	2.1	227
123	Stretch growth of integrated axon tracts: Extremes and exploitations. Progress in Neurobiology, 2009, 89, 231-239.	2.8	134
124	Head Motions While Riding Roller Coasters. American Journal of Forensic Medicine and Pathology, 2009, 30, 339-345.	0.4	18
125	Hemostatic and neuroprotective effects of human recombinant activated factor VII therapy after traumatic brain injury in pigs. Experimental Neurology, 2008, 210, 645-655.	2.0	24
126	A novel neuroprosthetic interface with the peripheral nervous system using artificially engineered axonal tracts. Neurological Research, 2008, 30, 1063-1067.	0.6	14

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127	Developing a tissue-engineered neural-electrical relay using encapsulated neuronal constructs on conducting polymer fibers. Journal of Neural Engineering, 2008, 5, 374-384.	1.8	118
128	Harvested human neurons engineered as live nervous tissue constructs: implications for transplantation. Journal of Neurosurgery, 2008, 108, 343-347.	0.9	32
129	NEURAL ENGINEERING TO PRODUCE IN VITRONERVE CONSTRUCTS AND NEUROINTERFACE. Neurosurgery, 2007, 60, 137-142.	0.6	31
130	Multiple proteins implicated in neurodegenerative diseases accumulate in axons after brain trauma in humans. Experimental Neurology, 2007, 208, 185-192.	2.0	314
131	Chronic ibuprofen administration worsens cognitive outcome following traumatic brain injury in rats. Experimental Neurology, 2006, 201, 301-307.	2.0	81
132	Stretch-grown axons retain the ability to transmit active electrical signals. FEBS Letters, 2006, 580, 3525-3531.	1.3	63
133	Thalamic Nuclei After Human Blunt Head Injury. Journal of Neuropathology and Experimental Neurology, 2006, 65, 478-488.	0.9	109
134	Thromboembolism and Delayed Cerebral Ischemia after Subarachnoid Hemorrhage: An Autopsy Study. Neurosurgery, 2006, 59, 781-788.	0.6	157
135	Neutralizing the neurotoxic effects of exogenous and endogenous tPA. Nature Neuroscience, 2006, 9, 1150-1155.	7.1	69
136	Spatiotemporal Distribution of Spectrin Breakdown Products Induced by Anoxia in Adult Rat Optic Nervein Vitro. Journal of Cerebral Blood Flow and Metabolism, 2006, 26, 777-786.	2.4	7
137	Development of transplantable nervous tissue constructs comprised of stretch-grown axons. Journal of Neuroscience Methods, 2006, 153, 95-103.	1.3	77
138	Long-Term Survival and Outgrowth of Mechanically Engineered Nervous Tissue Constructs Implanted Into Spinal Cord Lesions. Tissue Engineering, 2006, 12, 101-110.	4.9	62
139	Long-Term Survival and Outgrowth of Mechanically Engineered Nervous Tissue Constructs Implanted Into Spinal Cord Lesions. Tissue Engineering, 2006, .	4.9	1
140	Traumatic brain injury induces biphasic upregulation of ApoE and ApoJ protein in rats. Journal of Neuroscience Research, 2005, 82, 103-114.	1.3	51
141	Apo E genotype not associated with intravascular coagulation in traumatic brain injury. Neuroscience Letters, 2005, 387, 28-31.	1.0	10
142	Effect of Acute Calcium Influx after Mechanical Stretch Injury In Vitro on the Viability of Hippocampal Neurons. Journal of Neurotrauma, 2004, 21, 61-72.	1.7	102
143	Differential responses in three thalamic nuclei in moderately disabled, severely disabled and vegetative patients after blunt head injury. Brain, 2004, 127, 2470-2478.	3.7	61
144	Traumatic Axonal Injury Induces Proteolytic Cleavage of the Voltage-Gated Sodium Channels Modulated by Tetrodotoxin and Protease Inhibitors. Journal of Neuroscience, 2004, 24, 4605-4613.	1.7	201

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145	Extreme Stretch Growth of Integrated Axons. Journal of Neuroscience, 2004, 24, 7978-7983.	1.7	249
146	Coagulopathy in Traumatic Brain Injury. Neurocritical Care, 2004, 1, 479-488.	1.2	194
147	Acute treatment with MgSO4 attenuates long-term hippocampal tissue loss after brain trauma in the rat. Journal of Neuroscience Research, 2004, 77, 878-883.	1.3	28
148	A Device to Study the Initiation and Propagation of Calcium Transients in Cultured Neurons After Mechanical Stretch. Annals of Biomedical Engineering, 2004, 32, 1546-1559.	1.3	55
149	Long-Term Accumulation of Amyloid-Î², Î²-Secretase, Presenilin-1, and Caspase-3 in Damaged Axons Following Brain Trauma. American Journal of Pathology, 2004, 165, 357-371.	1.9	245
150	Association between Intravascular Microthrombosis and Cerebral Ischemia in Traumatic Brain Injury. Neurosurgery, 2004, 54, 687-691.	0.6	123
151	Protein Accumulation in Traumatic Brain Injury. NeuroMolecular Medicine, 2003, 4, 59-72.	1.8	126
152	Traumatic Axonal Injury Results in Biphasic Calpain Activation and Retrograde Transport Impairment in Mice. Journal of Cerebral Blood Flow and Metabolism, 2003, 23, 34-42.	2.4	148
153	Neurogenesis and Glial Proliferation Persist for at Least One Year in the Subventricular Zone Following Brain Trauma in Rats. Journal of Neurotrauma, 2003, 20, 623-631.	1.7	101
154	Diffuse Axonal Injury in Head Trauma. Journal of Head Trauma Rehabilitation, 2003, 18, 307-316.	1.0	438
155	Amyloid Î² accumulation in axons after traumatic brain injury in humans. Journal of Neurosurgery, 2003, 98, 1072-1077.	0.9	184
156	Traumatic Axonal Injury Results in Biphasic Calpain Activation and Retrograde Transport Impairment in Mice. Journal of Cerebral Blood Flow and Metabolism, 2003, , 34-42.	2.4	67
157	Intravascular coagulation: a major secondary insult in nonfatal traumatic brain injury. Journal of Neurosurgery, 2002, 97, 1373-1377.	0.9	148
158	Long-Term Accumulation of Amyloid-Î² in Axons Following Brain Trauma Without Persistent Upregulation of Amyloid Precursor Protein Genes. Journal of Neuropathology and Experimental Neurology, 2002, 61, 1056-1068.	0.9	97
159	Roller Coasters, G Forces, and Brain Trauma: On the Wrong Track?. Journal of Neurotrauma, 2002, 19, 1117-1120.	1.7	42
160	High-Field Proton Magnetic Resonance Spectroscopy of a Swine Model for Axonal Injury. Journal of Neurochemistry, 2002, 70, 2038-2044.	2.1	69
161	A New Strategy to Produce Sustained Growth of Central Nervous System Axons: Continuous Mechanical Tension. Tissue Engineering, 2001, 7, 131-139.	4.9	109
162	Traumatic Axonal Injury Induces Calcium Influx Modulated by Tetrodotoxin-Sensitive Sodium Channels. Journal of Neuroscience, 2001, 21, 1923-1930.	1.7	381

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163	Immediate coma following inertial brain injury dependent on axonal damage in the brainstem. Journal of Neurosurgery, 2000, 93, 315-322.	0.9	177
164	Axonal Damage in Traumatic Brain Injury. Neuroscientist, 2000, 6, 483-495.	2.6	260
165	Brain Trauma in Aged Transgenic Mice Induces Regression of Established AÎ² Deposits. Experimental Neurology, 2000, 163, 244-252.	2.0	81
166	NPS 1506 Attenuates Cognitive Dysfunction and Hippocampal Neuron Death Following Brain Trauma in the Rat. Experimental Neurology, 2000, 166, 442-449.	2.0	21
167	High Tolerance and Delayed Elastic Response of Cultured Axons to Dynamic Stretch Injury. Journal of Neuroscience, 1999, 19, 4263-4269.	1.7	261
168	Prolonged Activation of NF-ÎºB Following Traumatic Brain Injury in Rats. Journal of Neurotrauma, 1999, 16, 1023-1034.	1.7	162
169	Diffuse axonal pathology detected with magnetization transfer imaging following brain injury in the pig. Magnetic Resonance in Medicine, 1999, 41, 727-733.	1.9	54
170	Traumatic brain injury in young, amyloid-? peptide overexpressing transgenic mice induces marked ipsilateral hippocampal atrophy and diminished A? deposition during aging. Journal of Comparative Neurology, 1999, 411, 390-398.	0.9	87
171	Immediate in vivo response of the cortex and the bloodâ€“brain barrier following dynamic cortical deformation in the rat. Neuroscience Letters, 1999, 259, 5-8.	1.0	32
172	Experimental Investigation of Cerebral Contusion: Histopathological and Immunohistochemical Evaluation of Dynamic Cortical Deformation. Journal of Neuropathology and Experimental Neurology, 1999, 58, 153-164.	0.9	58
173	Evolution of Neurofilament Subtype Accumulation in Axons Following Diffuse Brain Injury in the Pig. Journal of Neuropathology and Experimental Neurology, 1999, 58, 588-596.	0.9	99
174	Effects of the NMDA antagonist CP-98,113 on regional cerebral edema and cardiovascular, cognitive, and neurobehavioral function following experimental brain injury in the rat. Brain Research, 1998, 792, 291-298.	1.1	49
175	Riluzole attenuates cortical lesion size, but not hippocampal neuronal loss, following traumatic brain injury in the rat. , 1998, 52, 342-349.		75
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