David F Meaney

List of Publications by Year
in descending order

140 papers	12,671 citations	25034 57 h-index	25787 108 g-index
144 all docs	144 docs citations	144 times ranked	11164 citing authors

#	Article	IF	Citations
1	Exogenous Î±-Synuclein Fibrils Induce Lewy Body Pathology Leading to Synaptic Dysfunction and Neuron Death. Neuron, 2011, 72, 57-71.	8.1	1,249
2	Matrices with Compliance Comparable to that of Brain Tissue Select Neuronal over Glial Growth in Mixed Cortical Cultures. Biophysical Journal, 2006, 90, 3012-3018.	0.5	659
3	Tissue-Level Thresholds for Axonal Damage in an Experimental Model of Central Nervous System White Matter Injury. Journal of Biomechanical Engineering, 2000, 122, 615-622.	1.3	478
4	Diffuse Axonal Injury in Head Trauma. Journal of Head Trauma Rehabilitation, 2003, 18, 307-316.	1.7	438
5	A Model of Parasagittal Controlled Cortical Impact in the Mouse: Cognitive and Histopathologic Effects. Journal of Neurotrauma, 1995, 12, 169-178.	3.4	401
6	Traumatic Axonal Injury Induces Calcium Influx Modulated by Tetrodotoxin-Sensitive Sodium Channels. Journal of Neuroscience, 2001, 21, 1923-1930.	3.6	381
7	Biomechanics of Concussion. Clinics in Sports Medicine, 2011, 30, 19-31.	1.8	283
8	Temporal Window of Vulnerability to Repetitive Experimental Concussive Brain Injury. Neurosurgery, 2005, 56, 364-374.	1.1	274
9	High Tolerance and Delayed Elastic Response of Cultured Axons to Dynamic Stretch Injury. Journal of Neuroscience, 1999, 19, 4263-4269.	3.6	261
10	Axonal Damage in Traumatic Brain Injury. Neuroscientist, 2000, 6, 483-495.	3.5	260
11	Extreme Stretch Growth of Integrated Axons. Journal of Neuroscience, 2004, 24, 7978-7983.	3.6	249
12	Enhanced Astrocytic Ca²⁺Signals Contribute to Neuronal Excitotoxicity after Status Epilepticus. Journal of Neuroscience, 2007, 27, 10674-10684.	3.6	248
13	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.	3.8	245
14	Accumulation of Amyloid Î² and Tau and the Formation of Neurofilament Inclusions Following Diffuse Brain Injury in the Pig. Journal of Neuropathology and Experimental Neurology, 1999, 58, 982-992.	1.7	236
15	Biomechanical Analysis of Experimental Diffuse Axonal Injury. Journal of Neurotrauma, 1995, 12, 689-694.	3.4	223
16	Mild Traumatic Brain Injury and Diffuse Axonal Injury in Swine. Journal of Neurotrauma, 2011, 28, 1747-1755.	3.4	219
17	mGluR5 stimulates gliotransmission in the nucleus accumbens. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 1995-2000.	7.1	210
18	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.	3.6	201

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19	Characterization of Diffuse Axonal Pathology and Selective Hippocampal Damage following Inertial Brain Trauma in the Pig. Journal of Neuropathology and Experimental Neurology, 1997, 56, 822-834.	1.7	182
20	<i>In Vitro</i>Central Nervous System Models of Mechanically Induced Trauma: A Review. Journal of Neurotrauma, 1998, 15, 911-928.	3.4	182
21	The Mechanics of Traumatic Brain Injury: A Review of What We Know and What We Need to Know for Reducing Its Societal Burden. Journal of Biomechanical Engineering, 2014, 136, 021008.	1.3	179
22	Immediate coma following inertial brain injury dependent on axonal damage in the brainstem. Journal of Neurosurgery, 2000, 93, 315-322.	1.6	177
23	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.	4.3	148
24	Automated quantification of neuronal networks and single-cell calcium dynamics using calcium imaging. Journal of Neuroscience Methods, 2015, 243, 26-38.	2.5	145
25	Animal models of traumatic brain injury. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2015, 127, 115-128.	1.8	127
26	<i>In-Vitro</i>Approaches for Studying Blast-Induced Traumatic Brain Injury. Journal of Neurotrauma, 2009, 26, 861-876.	3.4	119
27	Mechanical disruption of the bloodâ€"brain barrier following experimental concussion. Acta Neuropathologica, 2018, 135, 711-726.	7.7	116
28	Mechanisms and Consequences of Neuronal Stretch Injury In Vitro Differ with the Model of Trauma. Journal of Neurotrauma, 2006, 23, 193-204.	3.4	113
29	A New Strategy to Produce Sustained Growth of Central Nervous System Axons: Continuous Mechanical Tension. Tissue Engineering, 2001, 7, 131-139.	4.6	109
30	Distribution of Forebrain Diffuse Axonal Injury Following Inertial Closed Head Injury in Miniature Swine. Experimental Neurology, 1994, 126, 291-298.	4.1	103
31	Effect of Acute Calcium Influx after Mechanical Stretch Injury In Vitro on the Viability of Hippocampal Neurons. Journal of Neurotrauma, 2004, 21, 61-72.	3.4	102
32	Tissue tears in the white matter after lateral fluid percussion brain injury in the rat: relevance to human brain injury. Acta Neuropathologica, 2000, 99, 117-124.	7.7	101
33	Evolution of Neurofilament Subtype Accumulation in Axons Following Diffuse Brain Injury in the Pig. Journal of Neuropathology and Experimental Neurology, 1999, 58, 588-596.	1.7	99
34	Dynamic Stretch Correlates to Both Morphological Abnormalities and Electrophysiological Impairment in a Model of Traumatic Axonal Injury. Journal of Neurotrauma, 2001, 18, 499-511.	3.4	95
35	Calcium-Permeable AMPA Receptors Appear in Cortical Neurons after Traumatic Mechanical Injury and Contribute to Neuronal Fate. Journal of Neurotrauma, 2008, 25, 1207-1216.	3.4	93
36	An open-source toolbox for automated phenotyping of mice in behavioral tasks. Frontiers in Behavioral Neuroscience, 2014, 8, 349.	2.0	92

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37	A Porcine Model of Traumatic Brain Injury via Head Rotational Acceleration. Methods in Molecular Biology, 2016, 1462, 289-324.	0.9	89
38	Relationship between structural modeling and hyperelastic material behavior: application to CNS white matter. Biomechanics and Modeling in Mechanobiology, 2003, 1, 279-293.	2.8	88
39	Transcriptome transfer produces a predictable cellular phenotype. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7624-7629.	7.1	86
40	Magnetic Resonance Spectroscopy of Diffuse Brain Trauma in the Pig. Journal of Neurotrauma, 1998, 15, 665-674.	3.4	80
41	Traumatic mechanical injury to the hippocampus in vitro causes regional caspase-3 and calpain activation that is influenced by NMDA receptor subunit composition. Neurobiology of Disease, 2006, 22, 165-176.	4.4	80
42	Calpain Mediates Proteolysis of the Voltage-Gated Sodium Channel Î±-Subunit. Journal of Neuroscience, 2009, 29, 10350-10356.	3.6	80
43	Magnetization Transfer Imaging of Diffuse Axonal Injury Following Experimental Brain Injury in the Pig: Characterization by Magnetization Transfer Ratio with Histopathologic Correlation. Journal of Computer Assisted Tomography, 1996, 20, 540-546.	0.9	80
44	Traumatic injury induces differential expression of cell death genes in organotypic brain slice cultures determined by complementary DNA array hybridization. Neuroscience, 2000, 96, 131-139.	2.3	77
45	Development of transplantable nervous tissue constructs comprised of stretch-grown axons. Journal of Neuroscience Methods, 2006, 153, 95-103.	2.5	77
46	Modification of the Cortical Impact Model To Produce Axonal Injury in the Rat Cerebral Cortex. Journal of Neurotrauma, 1994, 11, 599-612.	3.4	76
47	Antagonism of purinergic signalling improves recovery from traumatic brain injury. Brain, 2013, 136, 65-80.	7.6	73
48	Dexamethasone Potentiates in <i>Vitro</i> Blood-Brain Barrier Recovery after Primary Blast Injury by Glucocorticoid Receptor-Mediated Upregulation of ZO-1 Tight Junction Protein. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 1191-1198.	4.3	73
49	Mechanical Characterization of an In Vitro Device Designed to Quantitatively Injure Living Brain Tissue. Annals of Biomedical Engineering, 1998, 26, 381-390.	2.5	70
50	Biomechanical Aspects of a Fluid Percussion Model of Brain Injury. Journal of Neurotrauma, 1992, 9, 311-322.	3.4	69
51	High-Field Proton Magnetic Resonance Spectroscopy of a Swine Model for Axonal Injury. Journal of Neurochemistry, 2002, 70, 2038-2044.	3.9	69
52	Cytoplasmic BK _{Ca} channel intron-containing mRNAs contribute to the intrinsic excitability of hippocampal neurons. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 1901-1906.	7.1	69
53	Pre-Clinical Testing of Therapies for Traumatic Brain Injury. Journal of Neurotrauma, 2018, 35, 2737-2754.	3.4	68
54	Traumatic Axonal Injury Results in Biphasic Calpain Activation and Retrograde Transport Impairment in Mice. Journal of Cerebral Blood Flow and Metabolism, 2003, , 34-42.	4.3	67

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55	Finite Element Modeling Approaches for Predicting Injury in an Experimental Model of Severe Diffuse Axonal Injury. , 1998, , .		65
56	A Modified Controlled Cortical Impact Technique to Model Mild Traumatic Brain Injury Mechanics in Mice. Frontiers in Neurology, 2014, 5, 100.	2.4	63
57	New Magnetic Resonance Imaging Techniques for the Evaluation of Traumatic Brain Injury. Journal of Neurotrauma, 1995, 12, 573-577.	3.4	62
58	TUNEL-positive staining of surface contusions after fatal head injury in man. Acta Neuropathologica, 2000, 100, 537-545.	7.7	62
59	In Vivo Thresholds for Mechanical Injury to the Blood-Brain Barrier. , 0, , .		61
60	A Multiscale Approach to Blast Neurotrauma Modeling: Part II: Methodology for Inducing Blast Injury to in vitro Models. Frontiers in Neurology, 2012, 3, 23.	2.4	59
61	Experimental Investigation of Cerebral Contusion: Histopathological and Immunohistochemical Evaluation of Dynamic Cortical Deformation. Journal of Neuropathology and Experimental Neurology, 1999, 58, 153-164.	1.7	58
62	N-Methyl-d-aspartate Receptor Mechanosensitivity Is Governed by C Terminus of NR2B Subunit. Journal of Biological Chemistry, 2012, 287, 4348-4359.	3.4	58
63	Modeling of Microstructural Kinematics During Simple Elongation of Central Nervous System Tissue. Journal of Biomechanical Engineering, 2003, 125, 798-804.	1.3	57
64	Numerical Model and Experimental Validation of Microcarrier Motion in a Rotating Bioreactor. Tissue Engineering, 2000, 6, 519-530.	4.6	56
65	Mechanically Induced Reactive Gliosis Causes ATP-Mediated Alterations in Astrocyte Stiffness. Journal of Neurotrauma, 2009, 26, 789-797.	3.4	56
66	Dynamic Mechanical Stretch of Organotypic Brain Slice Cultures Induces Differential Genomic Expression: Relationship to Mechanical Parameters. Journal of Biomechanical Engineering, 2000, 122, 224-230.	1.3	55
67	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.	2.5	55
68	Diffuse axonal pathology detected with magnetization transfer imaging following brain injury in the pig. Magnetic Resonance in Medicine, 1999, 41, 727-733.	3.0	54
69	Blood-Brain Barrier Dysfunction after Primary Blast Injury<i>in vitro</i>. Journal of Neurotrauma, 2013, 30, 1652-1663.	3.4	54
70	Expression profiling following traumatic brain injury: a review. Neurochemical Research, 2002, 27, 1147-1155.	3.3	53
71	NR2A and NR2B subunits differentially mediate MAP kinase signaling and mitochondrial morphology following excitotoxic insult. Neurochemistry International, 2012, 60, 506-516.	3.8	52
72	Multi-Dimensional Mapping of Brain-Derived Extracellular Vesicle MicroRNA Biomarker for Traumatic Brain Injury Diagnostics. Journal of Neurotrauma, 2020, 37, 2424-2434.	3.4	50

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73	A Multiscale Approach to Blast Neurotrauma Modeling: Part I â€“ Development of Novel Test Devices for in vivo and in vitro Blast Injury Models. Frontiers in Neurology, 2012, 3, 46.	2.4	49
74	Significant Head Accelerations Can Influence Immediate Neurological Impairments in a Murine Model of Blast-Induced Traumatic Brain Injury. Journal of Biomechanical Engineering, 2014, 136, 091004.	1.3	49
75	Time Course and Size of Bloodâ€“Brain Barrier Opening in a Mouse Model of Blast-Induced Traumatic Brain Injury. Journal of Neurotrauma, 2016, 33, 1202-1211.	3.4	49
76	Primum non nocere: a call for balance when reporting on CTE. Lancet Neurology, The, 2019, 18, 231-233.	10.2	48
77	Mechanisms of calpain mediated proteolysis of voltage gated sodium channel Î±â€subunits following <i>in vitro</i> dynamic stretch injury. Journal of Neurochemistry, 2012, 121, 793-805.	3.9	45
78	Isolated Primary Blast Alters Neuronal Function with Minimal Cell Death in Organotypic Hippocampal Slice Cultures. Journal of Neurotrauma, 2014, 31, 1202-1210.	3.4	43
79	Roller Coasters, G Forces, and Brain Trauma: On the Wrong Track?. Journal of Neurotrauma, 2002, 19, 1117-1120.	3.4	42
80	Mitochondrial Injury after Mechanical Stretch of Cortical Neurons<i>in vitro</i>: Biomarkers of Apoptosis and Selective Peroxidation of Anionic Phospholipids. Journal of Neurotrauma, 2012, 29, 776-788.	3.4	39
81	Autaptic Connections Shift Network Excitability and Bursting. Scientific Reports, 2017, 7, 44006.	3.3	39
82	Defining Brain Mechanical Properties: Effects of Region, Direction, and Species. , 0, , .		38
83	Immediate short-duration hypothermia provides long-term protection in an in vivo model of traumatic axonal injury. Experimental Neurology, 2009, 215, 119-127.	4.1	36
84	Dynamic neural and glial responses of a head-specific model for traumatic brain injury in<i>Drosophila</i>. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17269-17277.	7.1	36
85	1995 William J. Stickel Gold Award. High strain rate tissue deformation. A theory on the mechanical etiology of diabetic foot ulcerations. Journal of the American Podiatric Medical Association, 1995, 85, 519-527.	0.3	36
86	Single-Neuron NMDA Receptor Phenotype Influences Neuronal Rewiring and Reintegration following Traumatic Injury. Journal of Neuroscience, 2014, 34, 4200-4213.	3.6	35
87	Pharmacologically induced calcium oscillations protect neurons from increases in cytosolic calcium after trauma. Journal of Neurochemistry, 2006, 97, 462-474.	3.9	34
88	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.	2.1	32
89	Alterations in Hippocampal Network Activity after<i>In Vitro</i>Traumatic Brain Injury. Journal of Neurotrauma, 2015, 32, 1011-1019.	3.4	32
90	NMDA receptor mediated phosphorylation of GluR1 subunits contributes to the appearance of calcium-permeable AMPA receptors after mechanical stretch injury. Neurobiology of Disease, 2012, 46, 646-654.	4.4	31

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91	Mechanoporation is a potential indicator of tissue strain and subsequent degeneration following experimental traumatic brain injury. Clinical Biomechanics, 2019, 64, 2-13.	1.2	31
92	MECHANICALLY INDUCED REACTIVE GLIOSIS CAUSES ATP-MEDIATED ALTERATIONS IN ASTROCYTE STIFFNESS. Journal of Neurotrauma, 2009, 26, 090330061141047.	3.4	30
93	Biomechanical Characterization of the Constitutive Relationship for the Brainstem. , 0, , .		29
94	Primary blast injury causes cognitive impairments and hippocampal circuit alterations. Experimental Neurology, 2016, 283, 16-28.	4.1	29
95	Isolated Primary Blast Inhibits Long-Term Potentiation in Organotypic Hippocampal Slice Cultures. Journal of Neurotrauma, 2016, 33, 652-661.	3.4	29
96	Primary Blast Exposure Increases Hippocampal Vulnerability to Subsequent Exposure: Reducing Long-Term Potentiation. Journal of Neurotrauma, 2016, 33, 1901-1912.	3.4	29
97	Repeated Primary Blast Injury Causes Delayed Recovery, but not Additive Disruption, in an <i>In Vitro</i> Bloodâ€"Brain Barrier Model. Journal of Neurotrauma, 2014, 31, 951-960.	3.4	28
98	Primary Blast Injury Depressed Hippocampal Long-Term Potentiation through Disruption of Synaptic Proteins. Journal of Neurotrauma, 2017, 34, 1063-1073.	3.4	28
99	A Quasi-Linear, Viscoelastic, Structural Model of the Plantar Soft Tissue With Frequency-Sensitive Damping Properties. Journal of Biomechanical Engineering, 2004, 126, 831-837.	1.3	26
100	Brain injuryâ€induced proteolysis is reduced in a novel calpastatinâ€overexpressing transgenic mouse. Journal of Neurochemistry, 2013, 125, 909-920.	3.9	26
101	Ultrasensitive Single Extracellular Vesicle Detection Using High Throughput Droplet Digital Enzyme-Linked Immunosorbent Assay. Nano Letters, 2022, 22, 4315-4324.	9.1	26
102	Clinical Applications of Extracellular Vesicles in the Diagnosis and Treatment of Traumatic Brain Injury. Journal of Neurotrauma, 2020, 37, 2045-2056.	3.4	25
103	Linking impact to cellular and molecular sequelae of CNS injury: Modeling in vivo complexity with in vitro simplicity. Progress in Brain Research, 2007, 161, 27-39.	1.4	24
104	Hemostatic and neuroprotective effects of human recombinant activated factor VII therapy after traumatic brain injury in pigs. Experimental Neurology, 2008, 210, 645-655.	4.1	24
105	Dynamic Changes in Neural Circuit Topology Following Mild Mechanical Injury In Vitro. Annals of Biomedical Engineering, 2012, 40, 23-36.	2.5	24
106	Beneficial Effects of Early mTORC1 Inhibition after Traumatic Brain Injury. Journal of Neurotrauma, 2016, 33, 183-193.	3.4	24
107	Predicting Concussion Outcome by Integrating Finite Element Modeling and Network Analysis. Frontiers in Bioengineering and Biotechnology, 2020, 8, 309.	4.1	24
108	Computational Investigation of the Changing Patterns of Subtype Specific NMDA Receptor Activation during Physiological Glutamatergic Neurotransmission. PLoS Computational Biology, 2011, 7, e1002106.	3.2	19

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109	Extracellular vesicles as distinct biomarker reservoirs for mild traumatic brain injury diagnosis. Brain Communications, 2021, 3, fcab151.	3.3	19
110	Cellular biomechanics of central nervous system injury. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2015, 127, 105-114.	1.8	18
111	Methodological Considerations Regarding Single-Cell Gene Expression Profiling for Brain Injury. Neurochemical Research, 2004, 29, 1113-1121.	3.3	17
112	Dynamin and reverse-mode sodium calcium exchanger blockade confers neuroprotection from diffuse axonal injury. Cell Death and Disease, 2019, 10, 727.	6.3	17
113	A Role for Postsynaptic Density 95 and Its Binding Partners in Models of Traumatic Brain Injury. Journal of Neurotrauma, 2019, 36, 2129-2138.	3.4	16
114	Phosphodiesterase-4 inhibition restored hippocampal long term potentiation after primary blast. Experimental Neurology, 2017, 293, 91-100.	4.1	15
115	Inducing different severities of traumatic brain injury in Drosophila using a piezoelectric actuator. Nature Protocols, 2021, 16, 263-282.	12.0	15
116	Neuronal Degeneration Impairs Rhythms Between Connected Microcircuits. Frontiers in Computational Neuroscience, 2020, 14, 18.	2.1	14
117	Direct Observation of Low Strain, High Rate Deformation of Cultured Brain Tissue During Primary Blast. Annals of Biomedical Engineering, 2020, 48, 1196-1206.	2.5	13
118	COllaborative Neuropathology NEtwork Characterizing ouTcomes of TBI (CONNECT-TBI). Acta Neuropathologica Communications, 2021, 9, 32.	5.2	13
119	Detection of astrocytic tau pathology facilitates recognition of chronic traumatic encephalopathy neuropathologic change. Acta Neuropathologica Communications, 2022, 10, 50.	5.2	13
120	Short-Duration Treatment with the Calpain Inhibitor MDL-28170 Does Not Protect Axonal Transport in an<i>in Vivo</i>Model of Traumatic Axonal Injury. Journal of Neurotrauma, 2012, 29, 445-451.	3.4	12
121	Cypin: A novel target for traumatic brain injury. Neurobiology of Disease, 2018, 119, 13-25.	4.4	11
122	Neurodegeneration exposes firing rate dependent effects on oscillation dynamics in computational neural networks. PLoS ONE, 2020, 15, e0234749.	2.5	10
123	NMDA Receptor Alterations After Mild Traumatic Brain Injury Induce Deficits in Memory Acquisition and Recall. Neural Computation, 2021, 33, 67-95.	2.2	9
124	Biomechanical Basis of Traumatic Brain Injury. , 2011, , 3277-3287.		8
125	Plasticity impairment exposes <scp>CA3</scp> vulnerability in a hippocampal network model of mild traumatic brain injury. Hippocampus, 2022, 32, 231-250.	1.9	8
126	<i>In Vitro</i> Stretch Injury Induces Time- and Severity-Dependent Alterations of STEP Phosphorylation and Proteolysis in Neurons. Journal of Neurotrauma, 2012, 29, 1982-1998.	3.4	6

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127	Engraftment of nonintegrating neural stem cells differentially perturbs cortical activity in a dose-dependent manner. Molecular Therapy, 2013, 21, 2258-2267.	8.2	6
128	Cytosolic PSD-95 interactor alters functional organization of neural circuits and AMPA receptor signaling independent of PSD-95 binding. Network Neuroscience, 2021, 5, 166-197.	2.6	6
129	A Multibody Model for Predicting Spatial Distribution of Human Brain Deformation Following Impact Loading. Journal of Biomechanical Engineering, 2020, 142, .	1.3	6
130	Learning Environments and Evidence-Based Practices in Bioengineering and Biomedical Engineering. Biomedical Engineering Education, 2022, 2, 1-16.	0.7	6
131	Plasma Neurofilament Light and Glial Fibrillary Acidic Protein Levels over Thirty Days in a Porcine Model of Traumatic Brain Injury. Journal of Neurotrauma, 2022, 39, 935-943.	3.4	5
132	An interdisciplinary computational model for predicting traumatic brain injury: Linking biomechanics and functional neural networks. NeuroImage, 2022, 251, 119002.	4.2	5
133	Thresholds for Mechanical Injury to the in Vivo White Matter. , 0, , .		4
134	Perspectives on the Role of Bioengineering in Neurotrauma Research. Journal of Neurotrauma, 2011, 28, 2201-2202.	3.4	3
135	Regional Neurodegeneration in vitro: The Protective Role of Neural Activity. Frontiers in Computational Neuroscience, 2021, 15, 580107.	2.1	2
136	A multilayer network model of neuron-astrocyte populations in vitro reveals mGluR5 inhibition is protective following traumatic injury. Network Neuroscience, 2022, 6, 499-527.	2.6	2
137	Concussion increases CA1 activity during prolonged inactivity in a familiar environment. Experimental Neurology, 2020, 334, 113435.	4.1	1
138	Biomechanics of Brain Injury: Looking to the Future. , 2015, , 247-257.		1
139	Should corticosteroids be used to treat traumatic brain injury?. Nature Clinical Practice Neurology, 2005, 1, 74-75.	2.5	0
140	Cellular Basis for the Nonlinear Constitutive Properties of Brain Tissue. , 2005, , 291-304.		0