

Jonathan Lifshitz

List of Publications by Year in descending order

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Version: 2024-02-01

106
papers

5,276
citations

76326

40
h-index

91884

69
g-index

115
all docs

115
docs citations

115
times ranked

4714
citing authors

#	ARTICLE	IF	CITATIONS
1	Lateral Fluid Percussion Brain Injury: A 15-Year Review and Evaluation. <i>Journal of Neurotrauma</i> , 2005, 22, 42-75.	3.4	487
2	Immune Activation Promotes Depression 1 Month After Diffuse Brain Injury: A Role for Primed Microglia. <i>Biological Psychiatry</i> , 2014, 76, 575-584.	1.3	209
3	Quantitative microglia analyses reveal diverse morphologic responses in the rat cortex after diffuse brain injury. <i>Scientific Reports</i> , 2017, 7, 13211.	3.3	199
4	Mitochondrial damage and dysfunction in traumatic brain injury. <i>Mitochondrion</i> , 2004, 4, 705-713.	3.4	177
5	Neuroinflammatory Responses After Experimental Diffuse Traumatic Brain Injury. <i>Journal of Neuropathology and Experimental Neurology</i> , 2007, 66, 989-1001.	1.7	164
6	Morphological and genetic activation of microglia after diffuse traumatic brain injury in the rat. <i>Neuroscience</i> , 2012, 225, 65-75.	2.3	163
7	Mechanoporation Induced by Diffuse Traumatic Brain Injury: An Irreversible or Reversible Response to Injury?. <i>Journal of Neuroscience</i> , 2006, 26, 3130-3140.	3.6	161
8	Structural and Functional Damage Sustained by Mitochondria after Traumatic Brain Injury in the Rat: Evidence for Differentially Sensitive Populations in the Cortex and Hippocampus. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003, 23, 219-231.	4.3	154
9	Rod microglia: elongation, alignment, and coupling to form trains across the somatosensory cortex after experimental diffuse brain injury. <i>Journal of Neuroinflammation</i> , 2012, 9, 247.	7.2	141
10	Diffuse Brain Injury Elevates Tonic Glutamate Levels and Potassium-Evoked Glutamate Release in Discrete Brain Regions at Two Days Post-Injury: An Enzyme-Based Microelectrode Array Study. <i>Journal of Neurotrauma</i> , 2010, 27, 889-899.	3.4	129
11	Rod Microglia: A Morphological Definition. <i>PLoS ONE</i> , 2014, 9, e97096.	2.5	121
12	Cognitive deficits develop 1 month after diffuse brain injury and are exaggerated by microglia-associated reactivity to peripheral immune challenge. <i>Brain, Behavior, and Immunity</i> , 2016, 54, 95-109.	4.1	113
13	The p38 β MAPK Regulates Microglial Responsiveness to Diffuse Traumatic Brain Injury. <i>Journal of Neuroscience</i> , 2013, 33, 6143-6153.	3.6	112
14	Resolvins AT-D1 and E1 differentially impact functional outcome, post-traumatic sleep, and microglial activation following diffuse brain injury in the mouse. <i>Brain, Behavior, and Immunity</i> , 2015, 47, 131-140.	4.1	110
15	Traumatic brain injury-induced neuronal damage in the somatosensory cortex causes formation of rod-shaped microglia that promote astrogliosis and persistent neuroinflammation. <i>Glia</i> , 2018, 66, 2719-2736.	4.9	105
16	Traumatic axonal injury in the perisomatic domain triggers ultrarapid secondary axotomy and Wallerian degeneration. <i>Experimental Neurology</i> , 2006, 198, 350-360.	4.1	98
17	Perisomatic Thalamic Axotomy After Diffuse Traumatic Brain Injury Is Associated With Atrophy Rather Than Cell Death. <i>Journal of Neuropathology and Experimental Neurology</i> , 2007, 66, 218-229.	1.7	96
18	The Whisker Nuisance Task Identifies a Late-Onset, Persistent Sensory Sensitivity in Diffuse Brain-Injured Rats. <i>Journal of Neurotrauma</i> , 2010, 27, 695-706.	3.4	95

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19	Disruptions in the Regulation of Extracellular Glutamate by Neurons and Glia in the Rat Striatum Two Days after Diffuse Brain Injury. <i>Journal of Neurotrauma</i> , 2012, 29, 1197-1208.	3.4	93
20	Methylene Blue Attenuates Traumatic Brain Injury-Associated Neuroinflammation and Acute Depressive-Like Behavior in Mice. <i>Journal of Neurotrauma</i> , 2015, 32, 127-138.	3.4	93
21	Brain Injury Forces of Moderate Magnitude Elicit the Fencing Response. <i>Medicine and Science in Sports and Exercise</i> , 2009, 41, 1687-1697.	0.4	88
22	Lateral Fluid Percussion: Model of Traumatic Brain Injury in Mice. <i>Journal of Visualized Experiments</i> , 2011, , .	0.3	87
23	Diffuse traumatic brain injury initially attenuates and later expands activation of the rat somatosensory whisker circuit concomitant with neuroplastic responses. <i>Brain Research</i> , 2010, 1323, 161-173.	2.2	76
24	Neurodegeneration in the somatosensory cortex after experimental diffuse brain injury. <i>Brain Structure and Function</i> , 2012, 217, 49-61.	2.3	75
25	Temporal assessment of nanoparticle accumulation after experimental brain injury: Effect of particle size. <i>Scientific Reports</i> , 2016, 6, 29988.	3.3	70
26	Hypersensitive Glutamate Signaling Correlates with the Development of Late-Onset Behavioral Morbidity in Diffuse Brain-Injured Circuitry. <i>Journal of Neurotrauma</i> , 2012, 29, 187-200.	3.4	67
27	Diffuse Brain Injury Induces Acute Post-Traumatic Sleep. <i>PLoS ONE</i> , 2014, 9, e82507.	2.5	64
28	Clinical relevance of midline fluid percussion brain injury: Acute deficits, chronic morbidities and the utility of biomarkers. <i>Brain Injury</i> , 2016, 30, 1293-1301.	1.2	63
29	Diffuse traumatic brain injury affects chronic corticosterone function in the rat. <i>Endocrine Connections</i> , 2016, 5, 152-166.	1.9	61
30	Pioglitazone Attenuates Neuroinflammation and Promotes Dopaminergic Neuronal Survival in the Nigrostriatal System of Rats after Diffuse Brain Injury. <i>Journal of Neurotrauma</i> , 2017, 34, 414-422.	3.4	61
31	Using anesthetics and analgesics in experimental traumatic brain injury. <i>Lab Animal</i> , 2013, 42, 286-291.	0.4	58
32	Traumatic brain injury and vestibulo-ocular function: current challenges and future prospects. <i>Eye and Brain</i> , 2016, Volume 8, 153-164.	2.5	58
33	Recovery of Neurological Function Despite Immediate Sleep Disruption Following Diffuse Brain Injury in the Mouse: Clinical Relevance to Medically Untreated Concussion. <i>Sleep</i> , 2014, 37, 743-752.	1.1	56
34	Does time heal all wounds? Experimental diffuse traumatic brain injury results in persisting histopathology in the thalamus. <i>Behavioural Brain Research</i> , 2018, 340, 137-146.	2.2	55
35	Microglia: dismantling and rebuilding circuits after acute neurological injury. <i>Metabolic Brain Disease</i> , 2015, 30, 393-400.	2.9	52
36	Early and Persistent Dendritic Hypertrophy in the Basolateral Amygdala following Experimental Diffuse Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2017, 34, 213-219.	3.4	51

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37	Acute cognitive impairment after lateral fluid percussion brain injury recovers by 1 month: Evaluation by conditioned fear response. <i>Behavioural Brain Research</i> , 2007, 177, 347-357.	2.2	49
38	Aging with Traumatic Brain Injury: Effects of Age at Injury on Behavioral Outcome following Diffuse Brain Injury in Rats. <i>Developmental Neuroscience</i> , 2016, 38, 195-205.	2.0	48
39	Primum non nocere: a call for balance when reporting on CTE. <i>Lancet Neurology</i> , The, 2019, 18, 231-233.	10.2	48
40	Aging with a traumatic brain injury: Could behavioral morbidities and endocrine symptoms be influenced by microglial priming?. <i>Brain, Behavior, and Immunity</i> , 2017, 59, 1-7.	4.1	47
41	Comparison of rat sensory behavioral tasks to detect somatosensory morbidity after diffuse brain-injury. <i>Behavioural Brain Research</i> , 2012, 226, 197-204.	2.2	39
42	Experimental Traumatic Brain Injury Induces Chronic Glutamatergic Dysfunction in Amygdala Circuitry Known to Regulate Anxiety-Like Behavior. <i>Frontiers in Neuroscience</i> , 2019, 13, 1434.	2.8	39
43	Substantia nigra vulnerability after a single moderate diffuse brain injury in the rat. <i>Experimental Neurology</i> , 2012, 234, 8-19.	4.1	38
44	Diffuse brain injury does not affect chronic sleep patterns in the mouse. <i>Brain Injury</i> , 2014, 28, 504-510.	1.2	38
45	Acute over-the-counter pharmacological intervention does not adversely affect behavioral outcome following diffuse traumatic brain injury in the mouse. <i>Experimental Brain Research</i> , 2014, 232, 2709-2719.	1.5	34
46	Diffuse traumatic brain injury induces prolonged immune dysregulation and potentiates hyperalgesia following a peripheral immune challenge. <i>Molecular Pain</i> , 2016, 12, 174480691664705.	2.1	34
47	Midline (Central) Fluid Percussion Model of Traumatic Brain Injury. <i>Methods in Molecular Biology</i> , 2016, 1462, 211-230.	0.9	34
48	Novel TNF receptor-1 inhibitors identified as potential therapeutic candidates for traumatic brain injury. <i>Journal of Neuroinflammation</i> , 2018, 15, 154.	7.2	34
49	An update on the rod microglia variant in experimental and clinical brain injury and disease. <i>Brain Communications</i> , 2021, 3, fcaa227.	3.3	33
50	Acute peripheral inflammation and post-traumatic sleep differ between sexes after experimental diffuse brain injury. <i>European Journal of Neuroscience</i> , 2020, 52, 2791-2814.	2.6	30
51	Sex-Dependent Macromolecule and Nanoparticle Delivery in Experimental Brain Injury. <i>Tissue Engineering - Part A</i> , 2020, 26, 688-701.	3.1	30
52	Blood-brain barrier disruption dictates nanoparticle accumulation following experimental brain injury. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 2155-2166.	3.3	29
53	Acute Post-Traumatic Sleep May Define Vulnerability to a Second Traumatic Brain Injury in Mice. <i>Journal of Neurotrauma</i> , 2019, 36, 1318-1334.	3.4	29
54	Nogo presence is inversely associated with shifts in cortical microglial morphology following experimental diffuse brain injury. <i>Neuroscience</i> , 2017, 359, 209-223.	2.3	28

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55	Platelet-mediated changes to neuronal glutamate receptor expression at sites of microthrombosis following experimental subarachnoid hemorrhage. <i>Journal of Neurosurgery</i> , 2014, 121, 1424-1431.	1.6	27
56	Inbred Mouse Strains as a Tool To Analyze Hippocampal Neuronal Loss after Brain Injury: A Stereological Study. <i>Journal of Neurotrauma</i> , 2006, 23, 1320-1329.	3.4	25
57	Traumatic Brain Injury-Induced Sex-Dependent Changes in Late-Onset Sensory Hypersensitivity and Glutamate Neurotransmission. <i>Frontiers in Neurology</i> , 2020, 11, 749.	2.4	24
58	Beyond Binary: Influence of Sex and Gender on Outcome after Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2020, 37, 2454-2459.	3.4	24
59	Neuropathology in sensory, but not motor, brainstem nuclei of the rat whisker circuit after diffuse brain injury. <i>Somatosensory & Motor Research</i> , 2014, 31, 127-135.	0.9	23
60	Traumatic brain injury alters long-term hippocampal neuron morphology in juvenile, but not immature, rats. <i>Child's Nervous System</i> , 2014, 30, 1333-1342.	1.1	23
61	Pre-Clinical Common Data Elements for Traumatic Brain Injury Research: Progress and Use Cases. <i>Journal of Neurotrauma</i> , 2021, 38, 1399-1410.	3.4	22
62	Epidemiology of Pediatric Traumatic Brain Injury and Hypothalamic-Pituitary Disorders in Arizona. <i>Frontiers in Neurology</i> , 2019, 10, 1410.	2.4	21
63	Impact Acceleration Model of Diffuse Traumatic Brain Injury. <i>Methods in Molecular Biology</i> , 2016, 1462, 253-266.	0.9	19
64	Midline (central) fluid percussion model of traumatic brain injury in pediatric and adolescent rats. <i>Journal of Neurosurgery: Pediatrics</i> , 2018, 22, 22-30.	1.3	19
65	MW151 Inhibited IL-1 β Levels after Traumatic Brain Injury with No Effect on Microglia Physiological Responses. <i>PLoS ONE</i> , 2016, 11, e0149451.	2.5	17
66	Extracellular matrix proteins are timeâ€dependent and regionalâ€specific markers in experimental diffuse brain injury. <i>Brain and Behavior</i> , 2020, 10, e01767.	2.2	17
67	Fluid Percussion Injury Model. <i>Springer Protocols</i> , 2009, , 369-384.	0.3	17
68	Objective Morphological Quantification of Microscopic Images Using a Fast Fourier Transform (FFT) Analysis. <i>Current Protocols in Essential Laboratory Techniques</i> , 2013, 7, 9.5.1-9.5.12.	2.6	16
69	Partial cage division significantly reduces aggressive behavior in male laboratory mice. <i>Laboratory Animals</i> , 2018, 52, 384-393.	1.0	16
70	Primer for Immunohistochemistry on Cryosectioned Rat Brain Tissue: Example Staining for Microglia and Neurons. <i>Journal of Visualized Experiments</i> , 2015, , e52293.	0.3	15
71	Traumatic Brain Injury in Victims of Domestic Violence. <i>Journal of Aggression, Maltreatment and Trauma</i> , 2019, 28, 655-659.	1.4	15
72	Age-at-Injury Determines the Extent of Long-Term Neuropathology and Microgliosis After a Diffuse Brain Injury in Male Rats. <i>Frontiers in Neurology</i> , 2021, 12, 722526.	2.4	15

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73	Longitudinal optical imaging technique to visualize progressive axonal damage after brain injury in mice reveals responses to different minocycline treatments. <i>Scientific Reports</i> , 2020, 10, 7815.	3.3	13
74	Forensic Nursing Examination to Screen for Traumatic Brain Injury following Intimate Partner Violence. <i>Journal of Aggression, Maltreatment and Trauma</i> , 2019, 28, 732-743.	1.4	12
75	Experimental diffuse brain injury and a model of Alzheimer's disease exhibit disease-specific changes in sleep and incongruous peripheral inflammation. <i>Journal of Neuroscience Research</i> , 2021, 99, 1136-1160.	2.9	12
76	The time course of activity-regulated cytoskeletal (ARC) gene and protein expression in the whisker-barrel circuit using two paradigms of whisker stimulation. <i>Behavioural Brain Research</i> , 2015, 284, 249-256.	2.2	11
77	Influence of Schizophrenia-Associated Gene <i>Egr3</i> on Sleep Behavior and Circadian Rhythms in Mice. <i>Journal of Biological Rhythms</i> , 2018, 33, 662-670.	2.6	11
78	Evaluating abusive head trauma in children $5\leq$ years old: Risk factors and the importance of the social history. <i>Journal of Pediatric Surgery</i> , 2021, 56, 390-396.	1.6	11
79	Lipid mediators of inflammation in neurological injury: shifting the balance toward resolution. <i>Neural Regeneration Research</i> , 2016, 11, 77.	3.0	11
80	Remote Ischemic Conditioning Reduced Acute Lung Injury After Traumatic Brain Injury in the Mouse. <i>Shock</i> , 2021, 55, 256-267.	2.1	10
81	Rehabilitation modality and onset differentially influence whisker sensory hypersensitivity after diffuse traumatic brain injury in the rat. <i>Restorative Neurology and Neuroscience</i> , 2017, 35, 611-629.	0.7	9
82	Restoring More than Smiles in Broken Homes: Dental and Oral Biomarkers of Brain Injury in Domestic Violence. <i>Journal of Aggression, Maltreatment and Trauma</i> , 2019, 28, 838-847.	1.4	9
83	Experimental diffuse brain injury results in regional alteration of gross vascular morphology independent of neuropathology. <i>Brain Injury</i> , 2016, 30, 217-224.	1.2	8
84	Intimate Partner Violence, Clinical Indications, and Other Family Risk Factors Associated With Pediatric Abusive Head Trauma. <i>Journal of Interpersonal Violence</i> , 2022, 37, NP6785-NP6812.	2.0	8
85	Intracerebral hemorrhage in the mouse altered sleep-wake patterns and activated microglia. <i>Experimental Neurology</i> , 2020, 327, 113242.	4.1	8
86	Population-Level Epidemiology of Concussion Concurrent with Domestic Violence in Arizona, USA. <i>Journal of Neurotrauma</i> , 2021, 38, 2301-2310.	3.4	8
87	Simultaneous Cryosectioning of Multiple Rodent Brains. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	7
88	Chronic Cognitive and Cerebrovascular Function after Mild Traumatic Brain Injury in Rats. <i>Journal of Neurotrauma</i> , 2022, 39, 1429-1441.	3.4	7
89	Mice Born to Mothers with Gravida Traumatic Brain Injury Have Distorted Brain Circuitry and Altered Immune Responses. <i>Journal of Neurotrauma</i> , 2021, 38, 2862-2880.	3.4	6
90	Nanoliposomes Reduce Stroke Injury Following Middle Cerebral Artery Occlusion in Mice. <i>Stroke</i> , 2022, 53, STROKEAHA121037120.	2.0	6

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91	Photon correlation spectroscopy of brain mitochondrial populations: Application to traumatic brain injury. <i>Experimental Neurology</i> , 2006, 197, 318-329.	4.1	5
92	Selective Reduction of Brain Docosahexaenoic Acid after Experimental Brain Injury and Mitigation of Neuroinflammatory Outcomes with Dietary DHA. <i>Current Research Concussion</i> , 2017, 04, e38-e54.	0.3	5
93	Spatial Distribution of Neuropathology and Neuroinflammation Elucidate the Biomechanics of Fluid Percussion Injury. <i>Neurotrauma Reports</i> , 2021, 2, 59-75.	1.4	4
94	Involving Police Departments in Early Awareness of Concussion Symptoms during Domestic Violence Calls. <i>Journal of Aggression, Maltreatment and Trauma</i> , 2019, 28, 826-837.	1.4	3
95	The pentagram of concussion: an observational analysis that describes five overt indicators of head trauma. <i>BMC Sports Science, Medicine and Rehabilitation</i> , 2022, 14, 39.	1.7	3
96	Time Course of Remote Neuropathology Following Diffuse Traumatic Brain Injury in the Male Rat. <i>Experimental Neurobiology</i> , 2022, 31, 105-115.	1.6	3
97	Commentary on Kamper et. al., juvenile traumatic brain injury evolves into a chronic brain disorder: The challenges in longitudinal studies of juvenile traumatic brain injury. <i>Experimental Neurology</i> , 2014, 261, 434-439.	4.1	2
98	Proteomic analysis identifies plasma correlates of remote ischemic conditioning in the context of experimental traumatic brain injury. <i>Scientific Reports</i> , 2020, 10, 12989.	3.3	2
99	Pathophysiology of Traumatic Brain Injury. , 2021, , 13-18.		1
100	Failure to Thrive in a 15-month-old with a History of Head Trauma. <i>Pediatrics in Review</i> , 2021, 42, S55-S59.	0.4	1
101	509. <i>Critical Care Medicine</i> , 2015, 43, 129.	0.9	0
102	3EMF Rod Microglia in Traumatic Brain Injury. <i>Annals of Emergency Medicine</i> , 2017, 70, S170-S171.	0.6	0
103	Synaptogenic Molecules Thrombospondin-1 and Brain Derived Neurotrophic Factor Rise in the Amygdala after Experimental Diffuse Traumatic Brain Injury. <i>Journal of the American College of Surgeons</i> , 2017, 225, e187.	0.5	0
104	Fluid Percussion Model of Traumatic Brain Injury. <i>NeuroMethods</i> , 2018, , 97-110.	0.3	0
105	Fluid Percussion Injury Model. <i>Springer Series in Translational Stroke Research</i> , 2019, , 333-347.	0.1	0
106	Population-Level Epidemiology of Traumatic Brain Injury Concurrent with Domestic Violence in Arizona, USA. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0