

# Akiva S Cohen

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

1,989  
citations

279798

23  
h-index

330143

37  
g-index

38  
all docs

38  
docs citations

38  
times ranked

2489  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Neuronal Glutamate Transporter Contributes to Neurotransmitter GABA Synthesis and Epilepsy. <i>Journal of Neuroscience</i> , 2002, 22, 6372-6379.	3.6	237
2	Regional hippocampal alteration associated with cognitive deficit following experimental brain injury: A systems, network and cellular evaluation. <i>Neuroscience</i> , 2005, 133, 1-15.	2.3	193
3	Dietary branched chain amino acids ameliorate injury-induced cognitive impairment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 366-371.	7.1	134
4	Brain injury impairs dentate gyrus inhibitory efficacy. <i>Neurobiology of Disease</i> , 2007, 25, 163-169.	4.4	114
5	Dentate granule cell GABA receptors in epileptic hippocampus: enhanced synaptic efficacy and altered pharmacology. <i>European Journal of Neuroscience</i> , 2003, 17, 1607-1616.	2.6	111
6	Specific proteolysis of the NR2 subunit at multiple sites by calpain. <i>Journal of Neurochemistry</i> , 2001, 78, 1083-1093.	3.9	100
7	Injury-induced alterations in CNS electrophysiology. <i>Progress in Brain Research</i> , 2007, 161, 143-169.	1.4	90
8	Dietary Therapy Mitigates Persistent Wake Deficits Caused by Mild Traumatic Brain Injury. <i>Science Translational Medicine</i> , 2013, 5, 215ra173.	12.4	90
9	Protracted Postnatal Development of Inhibitory Synaptic Transmission in Rat Hippocampal Area CA1 Neurons. <i>Journal of Neurophysiology</i> , 2000, 84, 2465-2476.	1.8	88
10	Pathophysiology and Treatment of Memory Dysfunction After Traumatic Brain Injury. <i>Current Neurology and Neuroscience Reports</i> , 2017, 17, 52.	4.2	77
11	Zinc-Induced Augmentation of Excitatory Synaptic Currents and Glutamate Receptor Responses in Hippocampal CA3 Neurons. <i>Journal of Neurophysiology</i> , 2001, 85, 1185-1196.	1.8	67
12	Response of the Contralateral Hippocampus to Lateral Fluid Percussion Brain Injury. <i>Journal of Neurotrauma</i> , 2006, 23, 1330-1342.	3.4	65
13	Stretch-grown axons retain the ability to transmit active electrical signals. <i>FEBS Letters</i> , 2006, 580, 3525-3531.	2.8	63
14	Brain Injury Impairs Working Memory and Prefrontal Circuit Function. <i>Frontiers in Neurology</i> , 2015, 6, 240.	2.4	49
15	Quantification of Ciliary Beat Frequency in Sinonasal Epithelial Cells Using Differential Interference Contrast Microscopy and High-Speed Digital Video Imaging. <i>American Journal of Rhinology &amp; Allergy</i> , 2006, 20, 124-127.	2.2	42
16	Concussion Induces Hippocampal Circuitry Disruption in Swine. <i>Journal of Neurotrauma</i> , 2017, 34, 2303-2314.	3.4	41
17	Diminished amygdala activation and behavioral threat response following traumatic brain injury. <i>Experimental Neurology</i> , 2016, 277, 215-226.	4.1	38
18	Traumatic Brain Injury-Induced Ependymal Ciliary Loss Decreases Cerebral Spinal Fluid Flow. <i>Journal of Neurotrauma</i> , 2014, 31, 1396-1404.	3.4	33

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19	Mild Traumatic Brain Injury Decreases Broadband Power in Area CA1. <i>Journal of Neurotrauma</i> , 2016, 33, 1645-1649.	3.4	33
20	Harvested human neurons engineered as live nervous tissue constructs: implications for transplantation. <i>Journal of Neurosurgery</i> , 2008, 108, 343-347.	1.6	32
21	A Comparison of Different Slicing Planes in Preservation of Major Hippocampal Pathway Fibers in the Mouse. <i>Frontiers in Neuroanatomy</i> , 2017, 11, 107.	1.7	31
22	Primary blast injury causes cognitive impairments and hippocampal circuit alterations. <i>Experimental Neurology</i> , 2016, 283, 16-28.	4.1	29
23	Regional Analysis of Sinonasal Ciliary Beat Frequency. <i>American Journal of Rhinology &amp; Allergy</i> , 2006, 20, 150-154.	2.2	28
24	Unsupervised Machine Learning Reveals Novel Traumatic Brain Injury Patient Phenotypes with Distinct Acute Injury Profiles and Long-Term Outcomes. <i>Journal of Neurotrauma</i> , 2020, 37, 1431-1444.	3.4	26
25	Efficacy, Dosage, and Duration of Action of Branched Chain Amino Acid Therapy for Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2015, 6, 73.	2.4	25
26	Diminished Dentate Gyrus Filtering of Cortical Input Leads to Enhanced Area CA3 Excitability after Mild Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2018, 35, 1304-1317.	3.4	24
27	Dietary therapy restores glutamatergic input to orexin/hypocretin neurons after traumatic brain injury in mice. <i>Sleep</i> , 2018, 41, .	1.1	24
28	Augmented Inhibition from Cannabinoid-Sensitive Interneurons Diminishes CA1 Output after Traumatic Brain Injury. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 435.	3.7	18
29	Memory Deficit in an Object Location Task after Mild Traumatic Brain Injury Is Associated with Impaired Early Object Exploration and Both Are Restored by Branched Chain Amino Acid Dietary Therapy. <i>Journal of Neurotrauma</i> , 2018, 35, 2117-2124.	3.4	16
30	Brain Injury Alters Volatile Metabolome. <i>Chemical Senses</i> , 2016, 41, 407-414.	2.0	15
31	A Toolbox for Spatiotemporal Analysis of Voltage-Sensitive Dye Imaging Data in Brain Slices. <i>PLoS ONE</i> , 2014, 9, e108686.	2.5	14
32	Traumatic Brain Injury Diminishes Feedforward Activation of Parvalbumin-Expressing Interneurons in the Dentate Gyrus. <i>ENeuro</i> , 2020, 7, ENEURO.0195-19.2020.	1.9	13
33	Verification of the Cross Immunoreactivity of A60, a Mouse Monoclonal Antibody against Neuronal Nuclear Protein. <i>Frontiers in Neuroanatomy</i> , 2016, 10, 54.	1.7	11
34	Endogenous Opioid Dynorphin Is a Potential Link between Traumatic Brain Injury, Chronic Pain, and Substance Use Disorder. <i>Journal of Neurotrauma</i> , 2022, 39, 1-19.	3.4	6
35	Non-specific Immunostaining by a Rabbit Antibody against Gustducin $\hat{\pm}$ Subunit in Mouse Brain. <i>Journal of Histochemistry and Cytochemistry</i> , 2015, 63, 79-87.	2.5	4
36	Editorial: Traumatic Brain Injury As a Systems Neuroscience Problem. <i>Frontiers in Systems Neuroscience</i> , 2016, 10, 100.	2.5	4

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37	Blocking Cross-Species Secondary Binding When Performing Double Immunostaining With Mouse and Rat Primary Antibodies. <i>Frontiers in Neuroscience</i> , 2021, 15, 579859.	2.8	4
38	Editorial: Spring Hippocampal Research Conference and Beyond. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 773308.	2.9	0