Norbert Hajos

List of Publications by Year
in descending order

52 papers	6,493 citations	117625 34 h-index	175258 52 g-index
59 all docs	59 docs citations	59 times ranked	5412 citing authors

#	Article	IF	Citations
1	Hippocampal sharp wave-ripples and the associated sequence replay emerge from structured synaptic interactions in a network model of area CA3. ELife, 2022, 11, .	6.0	17
2	Total Number and Ratio of GABAergic Neuron Types in the Mouse Lateral and Basal Amygdala. Journal of Neuroscience, 2021, 41, 4575-4595.	3.6	22
3	Interneuron Types and Their Circuits in the Basolateral Amygdala. Frontiers in Neural Circuits, 2021, 15, 687257.	2.8	20
4	Semilunar Granule Cells Are the Primary Source of the Perisomatic Excitatory Innervation onto Parvalbumin-Expressing Interneurons in the Dentate Gyrus. ENeuro, 2020, 7, ENEURO.0323-19.2020.	1.9	7
5	Excitation of Diverse Classes of Cholecystokinin Interneurons in the Basal Amygdala Facilitates Fear Extinction. ENeuro, 2019, 6, ENEURO.0220-19.2019.	1.9	30
6	Vasoactive Intestinal Polypeptide-Immunoreactive Interneurons within Circuits of the Mouse Basolateral Amygdala. Journal of Neuroscience, 2018, 38, 6983-7003.	3.6	45
7	Morphological and physiological properties of CCK/CB1R-expressing interneurons in the basal amygdala. Brain Structure and Function, 2017, 222, 3543-3565.	2.3	29
8	Different output properties of perisomatic regionâ€targeting interneurons in the basal amygdala. European Journal of Neuroscience, 2017, 45, 548-558.	2.6	15
9	Differential excitatory control of 2 parallel basket cell networks in amygdala microcircuits. PLoS Biology, 2017, 15, e2001421.	5.6	28
10	Perisomatic GABAergic synapses of basket cells effectively control principal neuron activity in amygdala networks. ELife, 2017, 6, .	6.0	63
11	Synaptic Organization of Perisomatic GABAergic Inputs onto the Principal Cells of the Mouse Basolateral Amygdala. Frontiers in Neuroanatomy, 2016, 10, 20.	1.7	62
12	Tonic endocannabinoid-mediated modulation of GABA release is independent of the CB1 content of axon terminals. Nature Communications, 2015, 6, 6557.	12.8	37
13	Strategically Positioned Inhibitory Synapses of Axo-axonic Cells Potently Control Principal Neuron Spiking in the Basolateral Amygdala. Journal of Neuroscience, 2014, 34, 16194-16206.	3.6	55
14	Mechanisms of Sharp Wave Initiation and Ripple Generation. Journal of Neuroscience, 2014, 34, 11385-11398.	3.6	203
15	Presynaptic Calcium Channel Inhibition Underlies CB1 Cannabinoid Receptor-Mediated Suppression of GABA Release. Journal of Neuroscience, 2014, 34, 7958-7963.	3.6	66
16	Anatomically heterogeneous populations of CB₁ cannabinoid receptorâ€expressing interneurons in the CA3 region of the hippocampus show homogeneous inputâ€"output characteristics. Hippocampus, 2014, 24, 1506-1523.	1.9	30
17	Different input and output properties characterize parvalbuminâ€positive basket and Axoâ€axonic cells in the hippocampal CA3 subfield. Hippocampus, 2013, 23, 903-918.	1.9	28
18	Input-Output Features of Anatomically Identified CA3 Neurons during Hippocampal Sharp Wave/Ripple Oscillation In Vitro. Journal of Neuroscience, 2013, 33, 11677-11691.	3.6	87

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19	Feedforward Inhibition Underlies the Propagation of Cholinergically Induced Gamma Oscillations from Hippocampal CA3 to CA1. Journal of Neuroscience, 2013, 33, 12337-12351.	3.6	69
20	DAGâ€sensitive and Ca²⁺ permeable TRPC6 channels are expressed in dentate granule cells and interneurons in the hippocampal formation. Hippocampus, 2013, 23, 221-232.	1.9	27
21	Endocannabinoid-Mediated Long-Term Depression of Afferent Excitatory Synapses in Hippocampal Pyramidal Cells and GABAergic Interneurons. Journal of Neuroscience, 2012, 32, 14448-14463.	3.6	66
22	The Effects of an <i>Echinacea</i> Preparation on Synaptic Transmission and the Firing Properties of CA1 Pyramidal Cells in the Hippocampus. Phytotherapy Research, 2012, 26, 354-362.	5.8	10
23	Cannabinoids attenuate hippocampal gamma oscillations by suppressing excitatory synaptic input onto CA3 pyramidal neurons and fast spiking basket cells. Journal of Physiology, 2011, 589, 4921-4934.	2.9	35
24	Cellular and network mechanisms of cholinergically-induced transition between gamma and sharp wave â€“ ripple network states in the hippocampus. BMC Neuroscience, 2011, 12, .	1.9	0
25	Nitric Oxide Signaling Modulates Synaptic Transmission during Early Postnatal Development. Cerebral Cortex, 2011, 21, 2065-2074.	2.9	21
26	Roller Coaster Scanning reveals spontaneous triggering of dendritic spikes in CA1 interneurons. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 2148-2153.	7.1	68
27	Identification of the current generator underlying cholinergically induced gamma frequency field potential oscillations in the hippocampal CA3 region. Journal of Physiology, 2010, 588, 785-797.	2.9	68
28	Differences in subthreshold resonance of hippocampal pyramidal cells and interneurons: the role of hâ€current and passive membrane characteristics. Journal of Physiology, 2010, 588, 2109-2132.	2.9	187
29	Distinct synaptic properties of perisomatic inhibitory cell types and their different modulation by cholinergic receptor activation in the CA3 region of the mouse hippocampus. European Journal of Neuroscience, 2010, 31, 2234-2246.	2.6	84
30	Parvalbumin-Containing Fast-Spiking Basket Cells Generate the Field Potential Oscillations Induced by Cholinergic Receptor Activation in the Hippocampus. Journal of Neuroscience, 2010, 30, 15134-15145.	3.6	225
31	Maintaining network activity in submerged hippocampal slices: importance of oxygen supply. European Journal of Neuroscience, 2009, 29, 319-327.	2.6	210
32	Network mechanisms of gamma oscillations in the CA3 region of the hippocampus. Neural Networks, 2009, 22, 1113-1119.	5.9	134
33	Establishing a physiological environment for visualized in vitro brain slice recordings by increasing oxygen supply and modifying aCSF content. Journal of Neuroscience Methods, 2009, 183, 107-113.	2.5	107
34	Control of excitatory synaptic transmission by capsaicin is unaltered in TRPV1 vanilloid receptor knockout mice. Neurochemistry International, 2008, 52, 89-94.	3.8	35
35	CB1 receptor-dependent and -independent inhibition of excitatory postsynaptic currents in the hippocampus by WIN 55,212-2. Neuropharmacology, 2008, 54, 51-57.	4.1	53
36	Involvement of Nitric Oxide in Depolarization-Induced Suppression of Inhibition in Hippocampal Pyramidal Cells during Activation of Cholinergic Receptors. Journal of Neuroscience, 2007, 27, 10211-10222.	3.6	75

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37	Synaptic Currents in Anatomically Identified CA3 Neurons during Hippocampal Gamma Oscillations In Vitro. Journal of Neuroscience, 2006, 26, 9923-9934.	3.6	129
38	Endocannabinoid Signaling in Rat Somatosensory Cortex: Laminar Differences and Involvement of Specific Interneuron Types. Journal of Neuroscience, 2005, 25, 6845-6856.	3.6	297
39	Perisomatic Feedback Inhibition Underlies Cholinergically Induced Fast Network Oscillations in the Rat Hippocampus In Vitro. Neuron, 2005, 45, 105-117.	8.1	293
40	Spike Timing of Distinct Types of GABAergic Interneuron during Hippocampal Gamma Oscillations In Vitro. Journal of Neuroscience, 2004, 24, 9127-9137.	3.6	288
41	Endocannabinoid transport tightly controls 2-arachidonoyl glycerol actions in the hippocampus: effects of low temperature and the transport inhibitor AM404. European Journal of Neuroscience, 2004, 19, 2991-2996.	2.6	62
42	Excitement Reduces Inhibition via Endocannabinoids. Neuron, 2003, 38, 362-365.	8.1	31
43	Distinct cannabinoid sensitive receptors regulate hippocampal excitation and inhibition. Chemistry and Physics of Lipids, 2002, 121, 73-82.	3.2	122
44	Distribution of CB1 Cannabinoid Receptors in the Amygdala and their Role in the Control of GABAergic Transmission. Journal of Neuroscience, 2001, 21, 9506-9518.	3.6	580
45	Cell type- and synapse-specific variability in synaptic GABAAreceptor occupancy. European Journal of Neuroscience, 2000, 12, 810-818.	2.6	130
46	Increased number of synaptic GABAA receptors underlies potentiation at hippocampal inhibitory synapses. Nature, 1998, 395, 172-177.	27.8	437
47	Synaptic Communication among Hippocampal Interneurons: Properties of Spontaneous IPSCs in Morphologically Identified Cells. Journal of Neuroscience, 1997, 17, 8427-8442.	3.6	119
48	Mossy Cells of the Rat Dentate Gyrus are Immunoreactive for Calcitonin Gene-related Peptide (CGRP). European Journal of Neuroscience, 1997, 9, 1815-1830.	2.6	52
49	Differences between Somatic and Dendritic Inhibition in the Hippocampus. Neuron, 1996, 16, 815-823.	8.1	869
50	Interneurons Containing Calretinin Are Specialized to Control Other Interneurons in the Rat Hippocampus. Journal of Neuroscience, 1996, 16, 3397-3411.	3.6	460
51	Target Selectivity and Neurochemical Characteristics of VIP-immunoreactive Interneurons in the Rat Dentate Gyrus. European Journal of Neuroscience, 1996, 8, 1415-1431.	2.6	86
52	Precision and Variability in Postsynaptic Target Selection of Inhibitory Cells in the Hippocampal CA3 Region. European Journal of Neuroscience, 1993, 5, 1729-1751.	2.6	215