

Norbert Hajos

List of Publications by Year in descending order

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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	Differences between Somatic and Dendritic Inhibition in the Hippocampus. <i>Neuron</i> , 1996, 16, 815-823.	8.1	869
2	Distribution of CB1 Cannabinoid Receptors in the Amygdala and their Role in the Control of GABAergic Transmission. <i>Journal of Neuroscience</i> , 2001, 21, 9506-9518.	3.6	580
3	Interneurons Containing Calretinin Are Specialized to Control Other Interneurons in the Rat Hippocampus. <i>Journal of Neuroscience</i> , 1996, 16, 3397-3411.	3.6	460
4	Increased number of synaptic GABA _A receptors underlies potentiation at hippocampal inhibitory synapses. <i>Nature</i> , 1998, 395, 172-177.	27.8	437
5	Endocannabinoid Signaling in Rat Somatosensory Cortex: Laminar Differences and Involvement of Specific Interneuron Types. <i>Journal of Neuroscience</i> , 2005, 25, 6845-6856.	3.6	297
6	Perisomatic Feedback Inhibition Underlies Cholinergically Induced Fast Network Oscillations in the Rat Hippocampus In Vitro. <i>Neuron</i> , 2005, 45, 105-117.	8.1	293
7	Spike Timing of Distinct Types of GABAergic Interneuron during Hippocampal Gamma Oscillations In Vitro. <i>Journal of Neuroscience</i> , 2004, 24, 9127-9137.	3.6	288
8	Parvalbumin-Containing Fast-Spiking Basket Cells Generate the Field Potential Oscillations Induced by Cholinergic Receptor Activation in the Hippocampus. <i>Journal of Neuroscience</i> , 2010, 30, 15134-15145.	3.6	225
9	Precision and Variability in Postsynaptic Target Selection of Inhibitory Cells in the Hippocampal CA3 Region. <i>European Journal of Neuroscience</i> , 1993, 5, 1729-1751.	2.6	215
10	Maintaining network activity in submerged hippocampal slices: importance of oxygen supply. <i>European Journal of Neuroscience</i> , 2009, 29, 319-327.	2.6	210
11	Mechanisms of Sharp Wave Initiation and Ripple Generation. <i>Journal of Neuroscience</i> , 2014, 34, 11385-11398.	3.6	203
12	Differences in subthreshold resonance of hippocampal pyramidal cells and interneurons: the role of hâ€current and passive membrane characteristics. <i>Journal of Physiology</i> , 2010, 588, 2109-2132.	2.9	187
13	Network mechanisms of gamma oscillations in the CA3 region of the hippocampus. <i>Neural Networks</i> , 2009, 22, 1113-1119.	5.9	134
14	Cell type- and synapse-specific variability in synaptic GABA _A receptor occupancy. <i>European Journal of Neuroscience</i> , 2000, 12, 810-818.	2.6	130
15	Synaptic Currents in Anatomically Identified CA3 Neurons during Hippocampal Gamma Oscillations In Vitro. <i>Journal of Neuroscience</i> , 2006, 26, 9923-9934.	3.6	129
16	Distinct cannabinoid sensitive receptors regulate hippocampal excitation and inhibition. <i>Chemistry and Physics of Lipids</i> , 2002, 121, 73-82.	3.2	122
17	Synaptic Communication among Hippocampal Interneurons: Properties of Spontaneous IPSCs in Morphologically Identified Cells. <i>Journal of Neuroscience</i> , 1997, 17, 8427-8442.	3.6	119
18	Establishing a physiological environment for visualized in vitro brain slice recordings by increasing oxygen supply and modifying aCSF content. <i>Journal of Neuroscience Methods</i> , 2009, 183, 107-113.	2.5	107

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19	Input-Output Features of Anatomically Identified CA3 Neurons during Hippocampal Sharp Wave/Ripple Oscillation In Vitro. <i>Journal of Neuroscience</i> , 2013, 33, 11677-11691.	3.6	87
20	Target Selectivity and Neurochemical Characteristics of VIP-immunoreactive Interneurons in the Rat Dentate Gyrus. <i>European Journal of Neuroscience</i> , 1996, 8, 1415-1431.	2.6	86
21	Distinct synaptic properties of perisomatic inhibitory cell types and their different modulation by cholinergic receptor activation in the CA3 region of the mouse hippocampus. <i>European Journal of Neuroscience</i> , 2010, 31, 2234-2246.	2.6	84
22	Involvement of Nitric Oxide in Depolarization-Induced Suppression of Inhibition in Hippocampal Pyramidal Cells during Activation of Cholinergic Receptors. <i>Journal of Neuroscience</i> , 2007, 27, 10211-10222.	3.6	75
23	Feedforward Inhibition Underlies the Propagation of Cholinergically Induced Gamma Oscillations from Hippocampal CA3 to CA1. <i>Journal of Neuroscience</i> , 2013, 33, 12337-12351.	3.6	69
24	Identification of the current generator underlying cholinergically induced gamma frequency field potential oscillations in the hippocampal CA3 region. <i>Journal of Physiology</i> , 2010, 588, 785-797.	2.9	68
25	Roller Coaster Scanning reveals spontaneous triggering of dendritic spikes in CA1 interneurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 2148-2153.	7.1	68
26	Endocannabinoid-Mediated Long-Term Depression of Afferent Excitatory Synapses in Hippocampal Pyramidal Cells and GABAergic Interneurons. <i>Journal of Neuroscience</i> , 2012, 32, 14448-14463.	3.6	66
27	Presynaptic Calcium Channel Inhibition Underlies CB1 Cannabinoid Receptor-Mediated Suppression of GABA Release. <i>Journal of Neuroscience</i> , 2014, 34, 7958-7963.	3.6	66
28	Perisomatic GABAergic synapses of basket cells effectively control principal neuron activity in amygdala networks. <i>ELife</i> , 2017, 6, .	6.0	63
29	Endocannabinoid transport tightly controls 2-arachidonoyl glycerol actions in the hippocampus: effects of low temperature and the transport inhibitor AM404. <i>European Journal of Neuroscience</i> , 2004, 19, 2991-2996.	2.6	62
30	Synaptic Organization of Perisomatic GABAergic Inputs onto the Principal Cells of the Mouse Basolateral Amygdala. <i>Frontiers in Neuroanatomy</i> , 2016, 10, 20.	1.7	62
31	Strategically Positioned Inhibitory Synapses of Axo-axonic Cells Potently Control Principal Neuron Spiking in the Basolateral Amygdala. <i>Journal of Neuroscience</i> , 2014, 34, 16194-16206.	3.6	55
32	CB1 receptor-dependent and -independent inhibition of excitatory postsynaptic currents in the hippocampus by WIN 55,212-2. <i>Neuropharmacology</i> , 2008, 54, 51-57.	4.1	53
33	Mossy Cells of the Rat Dentate Gyrus are Immunoreactive for Calcitonin Gene-related Peptide (CGRP). <i>European Journal of Neuroscience</i> , 1997, 9, 1815-1830.	2.6	52
34	Vasoactive Intestinal Polypeptide-Immunoreactive Interneurons within Circuits of the Mouse Basolateral Amygdala. <i>Journal of Neuroscience</i> , 2018, 38, 6983-7003.	3.6	45
35	Tonic endocannabinoid-mediated modulation of GABA release is independent of the CB1 content of axon terminals. <i>Nature Communications</i> , 2015, 6, 6557.	12.8	37
36	Control of excitatory synaptic transmission by capsaicin is unaltered in TRPV1 vanilloid receptor knockout mice. <i>Neurochemistry International</i> , 2008, 52, 89-94.	3.8	35

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37	Cannabinoids attenuate hippocampal gamma oscillations by suppressing excitatory synaptic input onto CA3 pyramidal neurons and fast spiking basket cells. <i>Journal of Physiology</i> , 2011, 589, 4921-4934.	2.9	35
38	Excitement Reduces Inhibition via Endocannabinoids. <i>Neuron</i> , 2003, 38, 362-365.	8.1	31
39	Anatomically heterogeneous populations of CB ₁ cannabinoid receptor-expressing interneurons in the CA3 region of the hippocampus show homogeneous input-output characteristics. <i>Hippocampus</i> , 2014, 24, 1506-1523.	1.9	30
40	Excitation of Diverse Classes of Cholecystokinin Interneurons in the Basal Amygdala Facilitates Fear Extinction. <i>ENeuro</i> , 2019, 6, ENEURO.0220-19.2019.	1.9	30
41	Morphological and physiological properties of CCK/CB1R-expressing interneurons in the basal amygdala. <i>Brain Structure and Function</i> , 2017, 222, 3543-3565.	2.3	29
42	Different input and output properties characterize parvalbumin-positive basket and Axo-axonic cells in the hippocampal CA3 subfield. <i>Hippocampus</i> , 2013, 23, 903-918.	1.9	28
43	Differential excitatory control of 2 parallel basket cell networks in amygdala microcircuits. <i>PLoS Biology</i> , 2017, 15, e2001421.	5.6	28
44	DAG-sensitive and Ca ²⁺ permeable TRPC6 channels are expressed in dentate granule cells and interneurons in the hippocampal formation. <i>Hippocampus</i> , 2013, 23, 221-232.	1.9	27
45	Total Number and Ratio of GABAergic Neuron Types in the Mouse Lateral and Basal Amygdala. <i>Journal of Neuroscience</i> , 2021, 41, 4575-4595.	3.6	22
46	Nitric Oxide Signaling Modulates Synaptic Transmission during Early Postnatal Development. <i>Cerebral Cortex</i> , 2011, 21, 2065-2074.	2.9	21
47	Interneuron Types and Their Circuits in the Basolateral Amygdala. <i>Frontiers in Neural Circuits</i> , 2021, 15, 687257.	2.8	20
48	Hippocampal sharp wave-ripples and the associated sequence replay emerge from structured synaptic interactions in a network model of area CA3. <i>ELife</i> , 2022, 11, .	6.0	17
49	Different output properties of perisomatic region-targeting interneurons in the basal amygdala. <i>European Journal of Neuroscience</i> , 2017, 45, 548-558.	2.6	15
50	The Effects of an <i>Echinacea</i> Preparation on Synaptic Transmission and the Firing Properties of CA1 Pyramidal Cells in the Hippocampus. <i>Phytotherapy Research</i> , 2012, 26, 354-362.	5.8	10
51	Semilunar Granule Cells Are the Primary Source of the Perisomatic Excitatory Innervation onto Parvalbumin-Expressing Interneurons in the Dentate Gyrus. <i>ENeuro</i> , 2020, 7, ENEURO.0323-19.2020.	1.9	7
52	Cellular and network mechanisms of cholinergically-induced transition between gamma and sharp wave "ripple" network states in the hippocampus. <i>BMC Neuroscience</i> , 2011, 12, .	1.9	0