

Thomas Klausberger

List of Publications by Year in descending order

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43
papers

8,110
citations

159585
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265206
42
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docs citations

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times ranked

6431
citing authors

#	ARTICLE	IF	CITATIONS
1	Neurogliaform cells dynamically decouple neuronal synchrony between brain areas. <i>Science</i> , 2022, 377, 324-328.	12.6	19
2	Ca ²⁺ imaging of neurons in freely moving rats with automatic post hoc histological identification. <i>Journal of Neuroscience Methods</i> , 2020, 341, 108765.	2.5	9
3	Synaptic organisation and behaviour-dependent activity of mGluR8a-innervated GABAergic trilaminar cells projecting from the hippocampus to the subiculum. <i>Brain Structure and Function</i> , 2020, 225, 705-734.	2.3	11
4	Unexpected Rule-Changes in a Working Memory Task Shape the Firing of Histologically Identified Delay-Tuned Neurons in the Prefrontal Cortex. <i>Cell Reports</i> , 2020, 30, 1613-1626.e4.	6.4	7
5	A Visual Two-Choice Rule-Switch Task for Head-Fixed Mice. <i>Frontiers in Behavioral Neuroscience</i> , 2019, 13, 119.	2.0	10
6	Activity of Prefrontal Neurons Predict Future Choices during Gambling. <i>Neuron</i> , 2019, 101, 152-164.e7.	8.1	26
7	Spatio-temporal specialization of GABAergic septo-hippocampal neurons for rhythmic network activity. <i>Brain Structure and Function</i> , 2018, 223, 2409-2432.	2.3	37
8	Fluid network dynamics in the prefrontal cortex during multiple strategy switching. <i>Nature Communications</i> , 2018, 9, 309.	12.8	43
9	The cognitive nuances of surprising events: exposure to unexpected stimuli elicits firing variations in neurons of the dorsal CA1 hippocampus. <i>Brain Structure and Function</i> , 2018, 223, 3183-3211.	2.3	8
10	Spike-Timing of Orbitofrontal Neurons Is Synchronized With Breathing. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 105.	3.7	29
11	Distinct gamma oscillations in the distal dendritic fields of the dentate gyrus and the CA1 area of mouse hippocampus. <i>Brain Structure and Function</i> , 2017, 222, 3355-3365.	2.3	24
12	Behavior-dependent activity patterns of GABAergic long-range projecting neurons in the rat hippocampus. <i>Hippocampus</i> , 2017, 27, 359-377.	1.9	43
13	Hippocampal Place Cells Couple to Three Different Gamma Oscillations during Place Field Traversal. <i>Neuron</i> , 2016, 91, 34-40.	8.1	80
14	Divisions of Identified Parvalbumin-Expressing Basket Cells during Working Memory-Guided Decision Making. <i>Neuron</i> , 2016, 91, 1390-1401.	8.1	67
15	Selective information routing by ventral hippocampal CA1 projection neurons. <i>Science</i> , 2015, 348, 560-563.	12.6	283
16	Temporal Organization of GABAergic Interneurons in the Intermediate CA1 Hippocampus During Network Oscillations. <i>Cerebral Cortex</i> , 2015, 25, 1228-1240.	2.9	28
17	Three axonal projection routes of individual pyramidal cells in the ventral CA1 hippocampus. <i>Frontiers in Neuroanatomy</i> , 2014, 8, 53.	1.7	58
18	Layer-Specific GABAergic Control of Distinct Gamma Oscillations in the CA1 Hippocampus. <i>Neuron</i> , 2014, 81, 1126-1139.	8.1	151

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19	Temporal redistribution of inhibition over neuronal subcellular domains underlies state-dependent rhythmic change of excitability in the hippocampus. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20120518.	4.0	112
20	Sleep and Movement Differentiates Actions of Two Types of Somatostatin-Expressing GABAergic Interneuron in Rat Hippocampus. <i>Neuron</i> , 2014, 82, 872-886.	8.1	149
21	Network state-dependent inhibition of identified hippocampal CA3 axo-axonic cells in vivo. <i>Nature Neuroscience</i> , 2013, 16, 1802-1811.	14.8	128
22	Distinct Dendritic Arborization and <i>In Vivo</i> Firing Patterns of Parvalbumin-Expressing Basket Cells in the Hippocampal Area CA3. <i>Journal of Neuroscience</i> , 2013, 33, 6809-6825.	3.6	78
23	Temporal Dynamics of Parvalbumin-Expressing Axo-axonic and Basket Cells in the Rat Medial Prefrontal Cortex <i>In Vivo</i> . <i>Journal of Neuroscience</i> , 2012, 32, 16496-16502.	3.6	87
24	Extrinsic and local glutamatergic inputs of the rat hippocampal CA1 area differentially innervate pyramidal cells and interneurons. <i>Hippocampus</i> , 2012, 22, 1379-1391.	1.9	75
25	Behavior-dependent specialization of identified hippocampal interneurons. <i>Nature Neuroscience</i> , 2012, 15, 1265-1271.	14.8	223
26	Terminal Field and Firing Selectivity of Cholecystokinin-Expressing Interneurons in the Hippocampal CA3 Area. <i>Journal of Neuroscience</i> , 2011, 31, 18073-18093.	3.6	70
27	Expression of COUP-TFII Nuclear Receptor in Restricted GABAergic Neuronal Populations in the Adult Rat Hippocampus. <i>Journal of Neuroscience</i> , 2010, 30, 1595-1609.	3.6	111
28	Distinct Firing Patterns of Identified Basket and Dendrite-Targeting Interneurons in the Prefrontal Cortex during Hippocampal Theta and Local Spindle Oscillations. <i>Journal of Neuroscience</i> , 2009, 29, 9563-9574.	3.6	65
29	GABAergic interneurons targeting dendrites of pyramidal cells in the CA1 area of the hippocampus. <i>European Journal of Neuroscience</i> , 2009, 30, 947-957.	2.6	203
30	Ivy Cells: A Population of Nitric-Oxide-Producing, Slow-Spiking GABAergic Neurons and Their Involvement in Hippocampal Network Activity. <i>Neuron</i> , 2008, 57, 917-929.	8.1	221
31	Neuronal Diversity and Temporal Dynamics: The Unity of Hippocampal Circuit Operations. <i>Science</i> , 2008, 321, 53-57.	12.6	1,764
32	Rhythmically Active Enkephalin-Expressing GABAergic Cells in the CA1 Area of the Hippocampus Project to the Subiculum and Preferentially Innervate Interneurons. <i>Journal of Neuroscience</i> , 2008, 28, 10017-10022.	3.6	51
33	GABAergic circuits in the hippocampus. <i>FASEB Journal</i> , 2008, 22, 242.1.	0.5	0
34	Cell Type-Specific Tuning of Hippocampal Interneuron Firing during Gamma Oscillations <i>In Vivo</i> . <i>Journal of Neuroscience</i> , 2007, 27, 8184-8189.	3.6	273
35	Neuronal Diversity in GABAergic Long-Range Projections from the Hippocampus. <i>Journal of Neuroscience</i> , 2007, 27, 8790-8804.	3.6	304
36	Defined types of cortical interneurone structure space and spike timing in the hippocampus. <i>Journal of Physiology</i> , 2005, 562, 9-26.	2.9	795

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37	Metabotropic Glutamate Receptor 8-Expressing Nerve Terminals Target Subsets of GABAergic Neurons in the Hippocampus. <i>Journal of Neuroscience</i> , 2005, 25, 10520-10536.	3.6	124
38	Complementary Roles of Cholecystokinin- and Parvalbumin-Expressing GABAergic Neurons in Hippocampal Network Oscillations. <i>Journal of Neuroscience</i> , 2005, 25, 9782-9793.	3.6	400
39	Spike timing of dendrite-targeting bistratified cells during hippocampal network oscillations in vivo. <i>Nature Neuroscience</i> , 2004, 7, 41-47.	14.8	339
40	Brain-state- and cell-type-specific firing of hippocampal interneurons in vivo. <i>Nature</i> , 2003, 421, 844-848.	27.8	1,187
41	Cell Type- and Input-Specific Differences in the Number and Subtypes of Synaptic GABA _A Receptors in the Hippocampus. <i>Journal of Neuroscience</i> , 2002, 22, 2513-2521.	3.6	209
42	Identification of an amino acid sequence within GABA _A receptor $\alpha 3$ subunits that is important for receptor assembly. <i>Journal of Neurochemistry</i> , 2002, 84, 127-135.	3.9	19
43	Subunit Composition and Quantitative Importance of Hetero-oligomeric Receptors: GABA _A Receptors Containing $\alpha 6$ Subunits. <i>Journal of Neuroscience</i> , 1998, 18, 2449-2457.	3.6	190