

Zoltan Nadasdy

List of Publications by Year in descending order

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36
papers

7,814
citations

304743
22
h-index

434195
31
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39
all docs

39
docs citations

39
times ranked

7073
citing authors

#	ARTICLE	IF	CITATIONS
1	Unsupervised Spike Detection and Sorting with Wavelets and Superparamagnetic Clustering. Neural Computation, 2004, 16, 1661-1687.	2.2	1,883
2	Gamma (40-100 Hz) oscillation in the hippocampus of the behaving rat. Journal of Neuroscience, 1995, 15, 47-60.	3.6	1,384
3	Taking the intentional stance at 12 months of age. Cognition, 1995, 56, 165-193.	2.2	1,130
4	Sharp wave-associated high-frequency oscillation (200 Hz) in the intact hippocampus: network and intracellular mechanisms. Journal of Neuroscience, 1995, 15, 30-46.	3.6	966
5	Replay and Time Compression of Recurring Spike Sequences in the Hippocampus. Journal of Neuroscience, 1999, 19, 9497-9507.	3.6	751
6	Neurons in the Basal Forebrain Project to the Cortex in a Complex Topographic Organization that Reflects Corticocortical Connectivity Patterns: An Experimental Study Based on Retrograde Tracing and 3D Reconstruction. Cerebral Cortex, 2015, 25, 118-137.	2.9	244
7	Pattern and inhibition-dependent invasion of pyramidal cell dendrites by fast spikes in the hippocampus in vivo.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 9921-9925.	7.1	220
8	The Basal Forebrain Corticopetal System Revisited. Annals of the New York Academy of Sciences, 1999, 877, 339-367.	3.8	213
9	Dentate EEG spikes and associated interneuronal population bursts in the hippocampal hilar region of the rat. Journal of Neurophysiology, 1995, 73, 1691-1705.	1.8	204
10	Persistent dynamic attractors in activity patterns of cultured neuronal networks. Physical Review E, 2006, 73, 051907.	2.1	98
11	Three-dimensional chemoarchitecture of the basal forebrain: Spatially specific association of cholinergic and calcium binding protein-containing neurons. Neuroscience, 2005, 136, 697-713.	2.3	78
12	Temporally Precise Cortical Firing Patterns Are Associated With Distinct Action Segments. Journal of Neurophysiology, 2006, 96, 2645-2652.	1.8	74
13	Information encoding and reconstruction from the phase of action potentials. Frontiers in Systems Neuroscience, 2009, 3, 6.	2.5	69
14	Neurons of the cerebral cortex exhibit precise interspike timing in correspondence to behavior. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 18655-18657.	7.1	57
15	Context-dependent spatially periodic activity in the human entorhinal cortex. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E3516-E3525.	7.1	49
16	Binding by asynchrony: the neuronal phase code. Frontiers in Neuroscience, 2010, 4, .	2.8	42
17	Possible physiological role of the perforant path-CA1 projection. Hippocampus, 1995, 5, 141-146.	1.9	40
18	Dynamical Organization of Directional Tuning in the Primate Premotor and Primary Motor Cortex. Journal of Neurophysiology, 2003, 89, 1136-1142.	1.8	35

#	ARTICLE	IF	CITATIONS
19	Organization of the Basal Forebrain Cholinergic Projection System. , 2015, , 491-507.		34
20	Neuronal Activity in Motor Cortical Areas Reflects the Sequential Context of Movement. Journal of Neurophysiology, 2004, 91, 1748-1762.	1.8	31
21	Spike sequences and their consequences. Journal of Physiology (Paris), 2000, 94, 505-524.	2.1	26
22	Changes in GABA and glutamate concentrations during memory tasks in patients with Parkinson's disease undergoing DBS surgery. Frontiers in Human Neuroscience, 2014, 8, 81.	2.0	23
23	Glutamate and GABA concentration changes in the globus pallidus internus of Parkinson's patients during performance of implicit and declarative memory tasks: A report of two subjects. Neuroscience Letters, 2015, 589, 73-78.	2.1	23
24	Higher Incidence of Ischemic Stroke in Patients Taking Novel Oral Anticoagulants. Stroke, 2018, 49, 2851-2856.	2.0	23
25	Reference frames in virtual spatial navigation are viewpoint dependent. Frontiers in Human Neuroscience, 2014, 8, 646.	2.0	22
26	Motor cortex stimulation for neuropathic pain syndromes. NeuroReport, 2014, 25, 715-717.	1.2	21
27	Ultra-slow oscillations in cortical networks in vitro. Neuroscience, 2012, 206, 17-24.	2.3	17
28	Visualization of density relations in large-scale neural networks. Anatomy and Embryology, 2001, 204, 303-317.	1.5	14
29	Intersection of Microwire Electrodes With Proximal CA1 Stratum-Pyramidale Neurons at Insertion for Multiunit Recordings Predicted by a 3-D Computer Model. IEEE Transactions on Biomedical Engineering, 2004, 51, 2211-2216.	4.2	13
30	Computational Anatomical Analysis of the Basal Forebrain Corticopetal System. , 0, , 171-198.		11
31	Clustering of large cell populations: Method and application to the basal forebrain cholinergic system. Journal of Neuroscience Methods, 2010, 194, 46-55.	2.5	9
32	<i>In vivo</i> measurements of limbic glutamate and <scp>GABA</scp> concentrations in epileptic patients during affective and cognitive tasks: A microdialysis study. Hippocampus, 2016, 26, 683-689.	1.9	5
33	Phase coding of spatial representations in the human entorhinal cortex. Science Advances, 2022, 8, eabm6081.	10.3	4
34	Driving stroke quality improvement at scale in EDs across a nationwide network of hospitals: strategies and interventions. Emergency Medicine Journal, 2019, 36, emermed-2018-208257.	1.0	0
35	Response by Shpak et al to Letter Regarding Article, "Higher Incidence of Ischemic Stroke in Patients Taking Novel Oral Anticoagulants". Stroke, 2019, 50, e156-e157.	2.0	0
36	Information Encoding and Reconstruction by Phase Coding of Spikes. Springer Series in Computational Neuroscience, 2015, , 269-298.	0.3	0