FranÃ§ois Windels

List of Publications by Year
in descending order

31 papers	1,564 citations	430874 18 h-index	454955 30 g-index
32 all docs	32 docs citations	32 times ranked	1844 citing authors

#	Article	IF	Citations
1	Effects of high frequency stimulation of subthalamic nucleus on extracellular glutamate and GABA in substantia nigra and globus pallidus in the normal rat. European Journal of Neuroscience, 2000, 12, 4141-4146.	2.6	297
2	Influence of the frequency parameter on extracellular glutamate and Î³â€aminobutyric acid in substantia nigra and globus pallidus during electrical stimulation of subthalamic nucleus in rats. Journal of Neuroscience Research, 2003, 72, 259-267.	2.9	156
3	High Frequency Stimulation of the Subthalamic Nucleus Increases the Extracellular Contents of Striatal Dopamine in Normal and Partially Dopaminergic Denervated Rats. Journal of Neuropathology and Experimental Neurology, 2001, 60, 15-24.	1.7	126
4	Pallidal Origin of GABA Release within the Substantia Nigra Pars Reticulata during High-Frequency Stimulation of the Subthalamic Nucleus. Journal of Neuroscience, 2005, 25, 5079-5086.	3.6	120
5	Imagined gait modulates neuronal network dynamics in the human pedunculopontine nucleus. Nature Neuroscience, 2014, 17, 449-454.	14.8	99
6	Targeted Ablation of Oligodendrocytes Induces Axonal Pathology Independent of Overt Demyelination. Journal of Neuroscience, 2012, 32, 8317-8330.	3.6	97
7	Unrelated course of subthalamic nucleus and globus pallidus neuronal activities across vigilance states in the rat. European Journal of Neuroscience, 2000, 12, 3361-3374.	2.6	94
8	Neurochemical Mechanisms Induced by High Frequency Stimulation of the Subthalamic Nucleus: Increase of Extracellular Striatal Glutamate and GABA in Normal and Hemiparkinsonian Rats. Journal of Neuropathology and Experimental Neurology, 2003, 62, 1228-1240.	1.7	68
9	A randomised, double-blind, sham-controlled trial of deep brain stimulation of the bed nucleus of the stria terminalis for treatment-resistant obsessive-compulsive disorder. Translational Psychiatry, 2021, 11, 190.	4.8	55
10	The Role of p75‹sup›NTR‹/sup›in Cholinergic Basal Forebrain Structure and Function. Journal of Neuroscience, 2014, 34, 13033-13038.	3.6	44
11	GABA, Not Glutamate, Controls the Activity of Substantia Nigra Reticulata Neurons in Awake, Unrestrained Rats. Journal of Neuroscience, 2004, 24, 6751-6754.	3.6	43
12	Action Potential Waveform Variability Limits Multi-Unit Separation in Freely Behaving Rats. PLoS ONE, 2012, 7, e38482.	2.5	42
13	Light Detection in Openâ€Circuit Voltage Mode of Organic Photodetectors. Advanced Functional Materials, 2020, 30, 1907964.	14.9	37
14	Lesions of the Basal Forebrain Cholinergic System in Mice Disrupt Idiothetic Navigation. PLoS ONE, 2013, 8, e53472.	2.5	36
15	Dopamine action in the substantia nigra pars reticulata: iontophoretic studies in awake, unrestrained rats. European Journal of Neuroscience, 2006, 24, 1385-1394.	2.6	33
16	GABAergic mechanisms in regulating the activity state of substantia nigra pars reticulata neurons. Neuroscience, 2006, 140, 1289-1299.	2.3	27
17	General anesthesia as a factor affecting impulse activity and neuronal responses to putative neurotransmitters. Brain Research, 2006, 1086, 104-116.	2.2	25
18	Saturated free fatty acids and association with memory formation. Nature Communications, 2021, 12, 3443.	12.8	22

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19	Modulatory action of acetylcholine on striatal neurons: microiontophoretic study in awake, unrestrained rats. European Journal of Neuroscience, 2003, 17, 613-622.	2.6	21
20	Organic Optoelectronic Diodes as Tactile Sensors for Soft-Touch Applications. ACS Applied Materials & Interfaces, 2019, 11, 21775-21783.	8.0	19
21	Inhibition Dominates the Early Phase of Up-States in the Basolateral Amygdala. Journal of Neurophysiology, 2010, 104, 3433-3438.	1.8	15
22	Single-unit activity of the anterior Globus pallidus internus in Tourette patients and posterior Globus pallidus internus in dystonic patients. Clinical Neurophysiology, 2017, 128, 2510-2518.	1.5	14
23	Where and what is the PPN and what is its role in locomotion?. Brain, 2015, 138, 1133-1134.	7.6	13
24	Rodent Scope: A User-Configurable Digital Wireless Telemetry System for Freely Behaving Animals. PLoS ONE, 2014, 9, e89949.	2.5	11
25	Neuronal Activity: From In Vitro Preparation to Behaving Animals. Molecular Neurobiology, 2006, 34, 1-26.	4.0	10
26	Oscillations in the Basolateral Amygdala: Aversive Stimulation Is State Dependent and Resets the Oscillatory Phase. Journal of Neurophysiology, 2009, 102, 1379-1387.	1.8	10
27	Neurochemical Modifications Induced By High Frequency Stimulation of the Subthalamic Nucleus in Rats. Advances in Behavioral Biology, 2002, , 581-590.	0.2	9
28	Auditory Tones and Foot-Shock Recapitulate Spontaneous Sub-Threshold Activity in Basolateral Amygdala Principal Neurons and Interneurons. PLoS ONE, 2016, 11, e0155192.	2.5	9
29	High Frequency Stimulation of the Subthalamic Nucleus. , 2005, , 243-253.		7
30	Stability of substantia nigra pars reticulata neuronal discharge rates during dopamine receptor blockade and its possible mechanisms. NeuroReport, 2006, 17, 1071-1075.	1.2	3
31	Changes in pallidal neural activity following long-term symptom improvement from botulinum toxin treatment in DYT6 dystonia: a case report. Journal of Medical Case Reports, 2022, 16, 15.	0.8	1