

# Didier Pinault

## List of Publications by Year in descending order

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47  
papers

5,181  
citations

185998

28  
h-index

253896

43  
g-index

50  
all docs

50  
docs citations

50  
times ranked

4123  
citing authors

#	ARTICLE	IF	CITATIONS
1	Frontoparietal anodal tDCS reduces ketamine-induced oscillopathies. <i>Translational Neuroscience</i> , 2021, 12, 282-296.	0.7	1
2	The $\text{N}$ -Methyl d-Aspartate Glutamate Receptor Antagonist Ketamine Disrupts the Functional State of the Corticothalamic Pathway. <i>Cerebral Cortex</i> , 2017, 27, bhw168.	1.6	19
3	A Neurophysiological Perspective on a Preventive Treatment against Schizophrenia Using Transcranial Electric Stimulation of the Corticothalamic Pathway. <i>Brain Sciences</i> , 2017, 7, 34.	1.1	15
4	DNA microarray unravels rapid changes in transcriptome of MK-801 treated rat brain. <i>World Journal of Biological Chemistry</i> , 2015, 6, 389.	1.7	5
5	Neuregulin 1 Expression and Electrophysiological Abnormalities in the Neuregulin 1 Transmembrane Domain Heterozygous Mutant Mouse. <i>PLoS ONE</i> , 2015, 10, e0124114.	1.1	21
6	Chronic administration of antipsychotics attenuates ongoing and ketamine-induced increases in cortical $\beta$ oscillations. <i>International Journal of Neuropsychopharmacology</i> , 2014, 17, 1895-1904.	1.0	40
7	$\text{HCN}$ channelopathy and cardiac electrophysiologic dysfunction in genetic and acquired rat epilepsy models. <i>Epilepsia</i> , 2014, 55, 609-620.	2.6	29
8	Acute effect of carbamazepine on corticothalamic $\text{H}$ and thalamocortical spindle ( $\text{H}$ ) oscillations in the rat. <i>European Journal of Neuroscience</i> , 2014, 39, 788-799.	1.2	4
9	N-Methyl D-Aspartate Receptor Antagonists Amplify Network Baseline Gamma Frequency (30-80 Hz) Oscillations: Noise and Signal. <i>AIMS Neuroscience</i> , 2014, 1, 169-182.	1.0	3
10	Enduring Effects of Early Life Stress on Firing Patterns of Hippocampal and Thalamocortical Neurons in Rats: Implications for Limbic Epilepsy. <i>PLoS ONE</i> , 2013, 8, e66962.	1.1	21
11	Acute administration of typical and atypical antipsychotics reduces EEG gamma power, but only the preclinical compound LY379268 reduces the ketamine-induced rise in gamma power. <i>International Journal of Neuropsychopharmacology</i> , 2012, 15, 657-668.	1.0	95
12	Opposite effects of ketamine and deep brain stimulation on rat thalamocortical information processing. <i>European Journal of Neuroscience</i> , 2012, 36, 3407-3419.	1.2	57
13	Rhythmic neuronal activity in S2 somatosensory and insular cortices contribute to the initiation of absence-related spike-and-wave discharges. <i>Epilepsia</i> , 2012, 53, 1948-1958.	2.6	48
14	The Juxtacellular Recording-Labeling Technique. <i>NeuroMethods</i> , 2011, , 41-75.	0.2	13
15	Dysfunctional Thalamus-Related Networks in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2011, 37, 238-243.	2.3	97
16	A genetic epilepsy rat model displays endophenotypes of psychosis. <i>Neurobiology of Disease</i> , 2010, 39, 116-125.	2.1	51
17	Special feature: deep brain stimulation. <i>European Journal of Neuroscience</i> , 2010, 32, 1067-1069.	1.2	1
18	NMDA Receptor Hypofunction Leads to Generalized and Persistent Aberrant $\beta$ Oscillations Independent of Hyperlocomotion and the State of Consciousness. <i>PLoS ONE</i> , 2009, 4, e6755.	1.1	209

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19	Brain and Heart Links: Alterations in Cardiac Function and HCN Channel Expression in Genetic Absence Epilepsy Rats from Strasbourg. <i>Journal of Clinical Neuroscience</i> , 2009, 16, 1520.	0.8	0
20	26. In vivo study of the impact of amygdala kindling on the firing pattern of single neurons in the thalamus in a genetic absence epilepsy rat model. <i>Journal of Clinical Neuroscience</i> , 2009, 16, 1533.	0.8	0
21	N-Methyl d-Aspartate Receptor Antagonists Ketamine and MK-801 Induce Wake-Related Aberrant $\delta$ Oscillations in the Rat Neocortex. <i>Biological Psychiatry</i> , 2008, 63, 730-735.	0.7	296
22	463: Neuronal firing patterns of higher order thalamocortical neurons during Inter-ictal absence seizure transition: Potential implications for loss of consciousness. <i>Journal of Clinical Neuroscience</i> , 2008, 15, 365.	0.8	0
23	Cortical Control of Zona Incerta. <i>Journal of Neuroscience</i> , 2007, 27, 1670-1681.	1.7	63
24	Corticothalamic 5-9 Hz oscillations are more pro-epileptogenic than sleep spindles in rats. <i>Journal of Physiology</i> , 2006, 574, 209-227.	1.3	59
25	Functional stabilization of weakened thalamic pacemaker channel regulation in rat absence epilepsy. <i>Journal of Physiology</i> , 2006, 575, 83-100.	1.3	64
26	A new stabilizing craniotomyâ€“duratomy technique for single-cell anatomo-electrophysiological exploration of living intact brain networks. <i>Journal of Neuroscience Methods</i> , 2005, 141, 231-242.	1.3	19
27	Cellular and network mechanisms of genetically-determined absence seizures. <i>Thalamus &amp; Related Systems</i> , 2005, 3, 181.	0.5	89
28	The thalamic reticular nucleus: structure, function and concept. <i>Brain Research Reviews</i> , 2004, 46, 1-31.	9.1	535
29	Cellular interactions in the rat somatosensory thalamocortical system during normal and epileptic 5â€“9 Hz oscillations. <i>Journal of Physiology</i> , 2003, 552, 881-905.	1.3	128
30	Medium-voltage 5â€“9-Hz oscillations give rise to spike-and-wave discharges in a genetic model of absence epilepsy: in vivo dual extracellular recording of thalamic relay and reticular neurons. <i>Neuroscience</i> , 2001, 105, 181-201.	1.1	128
31	Intracellular recordings in thalamic neurones during spontaneous spike and wave discharges in rats with absence epilepsy. <i>Journal of Physiology</i> , 1998, 509, 449-456.	1.3	218
32	Projection and innervation patterns of individual thalamic reticular axons in the thalamus of the adult rat: A three-dimensional, graphic, and morphometric analysis. , 1998, 391, 180-203.		169
33	Anatomical evidence for a mechanism of lateral inhibition in the rat thalamus. <i>European Journal of Neuroscience</i> , 1998, 10, 3462-3469.	1.2	115
34	Dendrodendritic and Axoaxonic Synapses in the Thalamic Reticular Nucleus of the Adult Rat. <i>Journal of Neuroscience</i> , 1997, 17, 3215-3233.	1.7	123
35	A novel single-cell staining procedure performed in vivo under electrophysiological control: morpho-functional features of juxtacellularly labeled thalamic cells and other central neurons with biocytin or Neurobiotin. <i>Journal of Neuroscience Methods</i> , 1996, 65, 113-136.	1.3	944
36	Corticothalamic Projections from the Cortical Barrel Field to the Somatosensory Thalamus in Rats: A Single-fibre Study Using Biocytin as an Anterograde Tracer. <i>European Journal of Neuroscience</i> , 1995, 7, 19-30.	1.2	354

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37	The Axonal Arborization of Single Thalamic Reticular Neurons in the Somatosensory Thalamus of the Rat. <i>European Journal of Neuroscience</i> , 1995, 7, 31-40.	1.2	141
38	Thalamic reticular input to the rat visual thalamus: a single fiber study using biocytin as an anterograde tracer. <i>Brain Research</i> , 1995, 670, 147-152.	1.1	56
39	The thalamic reticular nucleus does not send commissural projection to the contralateral parafascicular nucleus in the rat. <i>Brain Research</i> , 1995, 679, 123-134.	1.1	12
40	Single striatofugal axons arborizing in both pallidal segments and in the substantia nigra in primates. <i>Brain Research</i> , 1995, 698, 280-284.	1.1	99
41	Backpropagation of action potentials generated at ectopic axonal loci: hypothesis that axon terminals integrate local environmental signals. <i>Brain Research Reviews</i> , 1995, 21, 42-92.	9.1	92
42	Corticothalamic projections from layer V cells in rat are collaterals of long-range corticofugal axons. <i>Brain Research</i> , 1994, 664, 215-219.	1.1	235
43	Golgi-like labeling of a single neuron recorded extracellularly. <i>Neuroscience Letters</i> , 1994, 170, 255-260.	1.0	321
44	Muscarinic inhibition of reticular thalamic cells by basal forebrain neurones. <i>NeuroReport</i> , 1992, 3, 1101-1104.	0.6	22
45	Voltage-dependent 40-Hz oscillations in rat reticular thalamic neurons in vivo. <i>Neuroscience</i> , 1992, 51, 245-258.	1.1	131
46	Ectopic axonal firing in an epileptic cortical focus is not triggered by thalamocortical volleys during the interictal stage. <i>Brain Research</i> , 1992, 576, 175-180.	1.1	9
47	The origin of rhythmic fast subthreshold depolarizations in thalamic relay cells of rats under urethane anaesthesia. <i>Brain Research</i> , 1992, 595, 295-300.	1.1	28