Dimitri De Bundel

List of Publications by Year
in descending order

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47	1,532	430442 18	344852 36
papers	citations	h-index	g-index

49	49	49	2708
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The paraventricular thalamus controls a central amygdala fear circuit. Nature, 2015, 519, 455-459.	13.7	416
2	Loss of System x_c^{â¯}Does Not Induce Oxidative Stress But Decreases Extracellular Glutamate in Hippocampus and Influences Spatial Working Memory and Limbic Seizure Susceptibility. Journal of Neuroscience, 2011, 31, 5792-5803.	1.7	158
3	Presynaptic serotonin 2A receptors modulate thalamocortical plasticity and associative learning. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1382-91.	3.3	86
4	Allosteric nanobodies uncover a role of hippocampal mGlu2 receptor homodimers in contextual fear consolidation. Nature Communications, 2017, 8, 1967.	5.8	66
5	Ang II and Ang IV: Unraveling the Mechanism of Action on Synaptic Plasticity, Memory, and Epilepsy. CNS Neuroscience and Therapeutics, 2008, 14, 315-339.	1.9	56
6	Angiotensin IV and LVV-haemorphin 7 enhance spatial working memory in rats: Effects on hippocampal glucose levels and blood flow. Neurobiology of Learning and Memory, 2009, 92, 19-26.	1.0	56
7	drd2â€cre:ribotag mouse line unravels the possible diversity of dopamine d2 receptorâ€expressing cells of the dorsal mouse hippocampus. Hippocampus, 2015, 25, 858-875.	0.9	55
8	<scp>I</scp>nhibition of astroglial connexin43 hemichannels with <scp>TAT</scp>â€<scp>G</scp>ap19 exerts anticonvulsant effects in rodents. Glia, 2018, 66, 1788-1804.	2.5	50
9	Inhibition of Connexin43 Hemichannels Impairs Spatial Short-Term Memory without Affecting Spatial Working Memory. Frontiers in Cellular Neuroscience, 2016, 10, 288.	1.8	48
10	Testosterone boosts physical activity in male mice via dopaminergic pathways. Scientific Reports, 2018, 8, 957.	1.6	43
11	Longâ€term chemogenetic suppression of spontaneous seizures in a mouse model for temporal lobe epilepsy. Epilepsia, 2019, 60, 2314-2324.	2.6	34
12	Critical Evaluation of Acetylcholine Determination in Rat Brain Microdialysates using Ion-Pair Liquid Chromatography with Amperometric Detection. Sensors, 2008, 8, 5171-5185.	2.1	29
13	In-depth behavioral characterization of the corticosterone mouse model and the critical involvement of housing conditions. Physiology and Behavior, 2016, 156, 199-207.	1.0	29
14	The Barnes Maze Task Reveals Specific Impairment of Spatial Learning Strategy in the Intrahippocampal Kainic Acid Model for Temporal Lobe Epilepsy. Neurochemical Research, 2019, 44, 600-608.	1.6	29
15	<scp>G</scp>enetic deletion of x<scp>CT</scp> attenuates peripheral and central inflammation and mitigates <scp>LPS</scp>â€induced sickness and depressiveâ€like behavior in mice. Glia, 2018, 66, 1845-1861.	2.5	27
16	6ÂHz corneal kindling in mice triggers neurobehavioral comorbidities accompanied by relevant changes in câ€Fos immunoreactivity throughout the brain. Epilepsia, 2018, 59, 67-78.	2.6	26
17	The Good, the Bad and the Unknown Aspects of Ghrelin in Stress Coping and Stress-Related Psychiatric Disorders. Frontiers in Synaptic Neuroscience, 2020, 12, 594484.	1.3	26
18	Side-by-side comparison of the effects of Gq- and Gi-DREADD-mediated astrocyte modulation on intracellular calcium dynamics and synaptic plasticity in the hippocampal CA1. Molecular Brain, 2021, 14, 144.	1.3	26

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19	Involvement of the AT₁ receptor subtype in the effects of angiotensin IV and LVVâ€haemorphin 7 on hippocampal neurotransmitter levels and spatial working memory. Journal of Neurochemistry, 2010, 112, 1223-1234.	2.1	21
20	Trans-Modulation of the Somatostatin Type 2A Receptor Trafficking by Insulin-Regulated Aminopeptidase Decreases Limbic Seizures. Journal of Neuroscience, 2015, 35, 11960-11975.	1.7	16
21	Sensitive targeted methods for brain metabolomic studies in microdialysis samples. Journal of Pharmaceutical and Biomedical Analysis, 2018, 161, 192-205.	1.4	16
22	Hippocampal sst1 receptors are autoreceptors and do not affect seizures in rats. NeuroReport, 2010, 21, 254-258.	0.6	15
23	Effects of a psychedelic 5-HT2A receptor agonist on anxiety-related behavior and fear processing in mice. Neuropsychopharmacology, 2022, 47, 1304-1314.	2.8	14
24	Anticonvulsant effect of a ghrelin receptor agonist in 6Hz corneally kindled mice. Epilepsia, 2016, 57, e195-9.	2.6	13
25	Challenges for the in vivo quantification of brain neuropeptides using microdialysis sampling and LCâ€“MS. Bioanalysis, 2016, 8, 1965-1985.	0.6	13
26	Applicability of cerebral open flow microperfusion and microdialysis to quantify a brain-penetrating nanobody in mice. Analytica Chimica Acta, 2021, 1178, 338803.	2.6	13
27	Cortistatinâ€14 Mediates its Anticonvulsant Effects Via sst₂ and sst₃ but Not Ghrelin Receptors. CNS Neuroscience and Therapeutics, 2014, 20, 662-670.	1.9	11
28	Antidepressant drugs specifically inhibiting noradrenaline reuptake enhance recognition memory in rats.. Behavioral Neuroscience, 2015, 129, 701-708.	0.6	11
29	Generalization and recovery of post-retrieval amnesia.. Journal of Experimental Psychology: General, 2020, 149, 2063-2083.	1.5	11
30	Exploring Refinement Strategies for Single Housing of Male C57BL/6JRj Mice: Effect of Cage Divider on Stress-Related Behavior and Hypothalamic-Pituitary-Adrenal-Axis Activity. Frontiers in Behavioral Neuroscience, 2021, 15, 743959.	1.0	11
31	Higher susceptibility to 6ÂHz corneal kindling and lower responsiveness to antiseizure drugs in mouse models of Alzheimer's disease. Epilepsia, 2022, 63, 2703-2715.	2.6	11
32	CE-MS metabolic profiling of volume-restricted plasma samples from an acute mouse model for epileptic seizures to discover potentially involved metabolomic features. Talanta, 2020, 217, 121107.	2.9	10
33	Differential Effects of a Full and Biased Ghrelin Receptor Agonist in a Mouse Kindling Model. International Journal of Molecular Sciences, 2019, 20, 2480.	1.8	9
34	Effects of ghrelin receptor activation on forebrain dopamine release, conditioned fear and fear extinction in C57BL/6J mice. Journal of Neurochemistry, 2020, 154, 389-403.	2.1	8
35	Translational potential of the ghrelin receptor agonist macimorelin for seizure suppression in pharmacoresistant epilepsy. European Journal of Neurology, 2021, 28, 3100-3112.	1.7	8
36	Caloric Restriction Protects against Lactacystin-Induced Degeneration of Dopamine Neurons Independent of the Ghrelin Receptor. International Journal of Molecular Sciences, 2017, 18, 558.	1.8	7

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37	Effects of neuromedin U-8 on stress responsiveness and hypothalamus-pituitary-adrenal axis activity in male C57BL/6J mice. Hormones and Behavior, 2020, 121, 104666.	1.0	7
38	Current Approaches to Monitor Macromolecules Directly from the Cerebral Interstitial Fluid. Pharmaceutics, 2022, 14, 1051.	2.0	7
39	Assessing mixtures of supercharging agents to increase the abundance of a specific charge state of Neuromedin U. Talanta, 2019, 198, 206-214.	2.9	6
40	Slc7a11 (xCT) protein expression is not altered in the depressed brain and system xc- deficiency does not affect depression-associated behaviour in the corticosterone mouse model. World Journal of Biological Psychiatry, 2019, 20, 381-392.	1.3	6
41	A comparative study of UniSpray and electrospray sources for the ionization of neuropeptides in liquid chromatography tandem mass spectrometry. Journal of Chromatography A, 2020, 1628, 461462.	1.8	6
42	Effects of repeated anodal transcranial direct current stimulation on auditory fear extinction in C57BL/6J mice. Brain Stimulation, 2021, 14, 250-260.	0.7	6
43	Lifespan extension with preservation of hippocampal function in aged system xcâ^'-deficient male mice. Molecular Psychiatry, 2022, 27, 2355-2368.	4.1	6
44	Targeting the Ghrelin Receptor as a Novel Therapeutic Option for Epilepsy. Biomedicines, 2022, 10, 53.	1.4	6
45	Apparent reconsolidation interference without generalized amnesia. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 108, 110161.	2.5	3
46	Accelerated HF-rTMS Modifies SERT Availability in the Subgenual Anterior Cingulate Cortex: A Canine [11C]DASB Study on the Serotonergic System. Journal of Clinical Medicine, 2022, 11, 1531.	1.0	1
47	Unraveling the Effects of GSK-3Î² Isoform Modulation against Limbic Seizures and in the 6 Hz Electrical Kindling Model for Epileptogenesis. ACS Chemical Neuroscience, 2022, 13, 796-805.	1.7	0