

# Matias Cavelli

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

401  
citations

933264

10  
h-index

887953

17  
g-index

32  
all docs

32  
docs citations

32  
times ranked

210  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coherent neocortical gamma oscillations decrease during REM sleep in the rat. Behavioural Brain Research, 2015, 281, 318-325.	1.2	42
2	Power and coherence of cortical high-frequency oscillations during wakefulness and sleep. European Journal of Neuroscience, 2018, 48, 2728-2737.	1.2	33
3	Decreased electrocortical temporal complexity distinguishes sleep from wakefulness. Scientific Reports, 2019, 9, 18457.	1.6	32
4	Neocortical 40 Hz oscillations during carbachol-induced rapid eye movement sleep and cataplexy. European Journal of Neuroscience, 2016, 43, 580-589.	1.2	27
5	Nasal respiration entrains neocortical long-range gamma coherence during wakefulness. European Journal of Neuroscience, 2020, 51, 1463-1477.	1.2	27
6	Inter-hemispheric coherence of neocortical gamma oscillations during sleep and wakefulness. Neuroscience Letters, 2014, 578, 197-202.	1.0	26
7	Ibogaine Acute Administration in Rats Promotes Wakefulness, Long-Lasting REM Sleep Suppression, and a Distinctive Motor Profile. Frontiers in Pharmacology, 2018, 9, 374.	1.6	23
8	Communication Through Coherence by Means of Cross-frequency Coupling. Neuroscience, 2020, 449, 157-164.	1.1	21
9	Absence of EEG gamma coherence in a local activated cortical state: a conserved trait of REM sleep. Translational Brain Rhythmicity, 2017, 2, .	0.3	19
10	Acute effect of vaporized Cannabis on sleep and electrocortical activity. Pharmacology Biochemistry and Behavior, 2019, 179, 113-123.	1.3	18
11	Power and Coherence in the EEG of the Rat: Impact of Behavioral States, Cortical Area, Lateralization and Light/Dark Phases. Clocks & Sleep, 2020, 2, 536-556.	0.9	15
12	EEG Gamma Band Alterations and REM-like Traits Underpin the Acute Effect of the Atypical Psychedelic Ibogaine in the Rat. ACS Pharmacology and Translational Science, 2021, 4, 517-525.	2.5	14
13	Microinjection of the dopamine D2-receptor antagonist Raclopride into the medial preoptic area reduces REM sleep in lactating rats. Neuroscience Letters, 2017, 659, 104-109.	1.0	12
14	Effects of Cannabis Consumption on Sleep. Advances in Experimental Medicine and Biology, 2021, 1297, 147-162.	0.8	11
15	Wakefulness-promoting role of the inferior colliculus. Behavioural Brain Research, 2013, 256, 82-94.	1.2	10
16	Urethane anaesthesia exhibits neurophysiological correlates of unconsciousness and is distinct from sleep. European Journal of Neuroscience, 2024, 59, 483-501.	1.2	10
17	EEG dissociation induced by muscarinic receptor antagonists: Coherent 40 Hz oscillations in a background of slow waves and spindles. Behavioural Brain Research, 2019, 359, 28-37.	1.2	9
18	Heart rate variability during carbachol-induced REM sleep and cataplexy. Behavioural Brain Research, 2015, 291, 72-79.	1.2	8

#	ARTICLE	IF	CITATIONS
19	Low frequency oscillations drive EEG's complexity changes during wakefulness and sleep. Neuroscience, 2022, 494, 1-11.	1.1	8
20	Electrocortical high frequency activity and respiratory entrainment in 6-hydroxydopamine model of Parkinson's disease. Brain Research, 2019, 1724, 146439.	1.1	5
21	Arousal and normal conscious cognition. , 2019, , 1-24.		5
22	Polysomnography in humans and animal models. , 2022, , 17-32.		4
23	EEG power spectrum daily variations in sleep and wakefulness. Sleep Science, 2020, , .	0.4	2