Charles Quairiaux

List of Publications by Year
in descending order

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26 papers	1,528 citations	471371 17 h-index	526166 27 g-index
30 all docs	30 docs citations	30 times ranked	2331 citing authors

#	Article	IF	Citations
1	Mouse models characterize GNAO1 encephalopathy as a neurodevelopmental disorder leading to motor anomalies: from a severe G203R to a milder C215Y mutation. Acta Neuropathologica Communications, 2022, 10, 9.	2.4	16
2	Paradoxical neuronal hyperexcitability in a mouse model of mitochondrial pyruvate import deficiency. ELife, 2022, 11, .	2.8	21
3	Slow oscillations open susceptible time windows for epileptic discharges. Epilepsia, 2021, 62, 2357-2371.	2.6	14
4	Endogenous erythropoietin signaling regulates migration and laminar positioning of upper-layer neurons in the developing neocortex. Development (Cambridge), 2020, 147, .	1.2	6
5	Transplanted Embryonic Neurons Improve Functional Recovery by Increasing Activity in Injured Cortical Circuits. Cerebral Cortex, 2020, 30, 4708-4725.	1.6	8
6	Whole-Night Continuous Rocking Entrains Spontaneous Neural Oscillations with Benefits for Sleep and Memory. Current Biology, 2019, 29, 402-411.e3.	1.8	78
7	Background EEG Connectivity Captures the Time-Course of Epileptogenesis in a Mouse Model of Epilepsy. ENeuro, 2019, 6, ENEURO.0059-19.2019.	0.9	12
8	Large-Scale 3â€“5 Hz Oscillation Constrains the Expression of Neocortical Fast Ripples in a Mouse Model of Mesial Temporal Lobe Epilepsy. ENeuro, 2019, 6, ENEURO.0494-18.2019.	0.9	25
9	Large-Scale Networks for Auditory Sensory Gating in the Awake Mouse. ENeuro, 2019, 6, ENEURO.0207-19.2019.	0.9	4
10	Electrophysiological Evidence for the Development of a Self-Sustained Large-Scale Epileptic Network in the Kainate Mouse Model of Temporal Lobe Epilepsy. Journal of Neuroscience, 2018, 38, 3776-3791.	1.7	68
11	Perturbed Wnt signaling leads to neuronal migration delay, altered interhemispheric connections and impaired social behavior. Nature Communications, 2017, 8, 1158.	5.8	59
12	Systematic population spike delays across cortical layers within and between primary sensory areas. Scientific Reports, 2017, 7, 15267.	1.6	9
13	PV plasticity sustained through D1/5 dopamine signaling required for long-term memory consolidation. Nature Neuroscience, 2016, 19, 454-464.	7.1	99
14	Whole-scalp EEG mapping of somatosensory evoked potentials in macaque monkeys. Brain Structure and Function, 2015, 220, 2121-2142.	1.2	7
15	Dynamic connectivity among cortical layers in local and largeâ€scale sensory processing. European Journal of Neuroscience, 2014, 40, 3215-3223.	1.2	21
16	The physiological plausibility of time-varying Granger-causal modeling: Normalization and weighting by spectral power. NeuroImage, 2014, 97, 206-216.	2.1	61
17	Multi-Modal Assessment of Long-Term Erythropoietin Treatment after Neonatal Hypoxic-Ischemic Injury in Rat Brain. PLoS ONE, 2014, 9, e95643.	1.1	38
18	Functional Development of Large-Scale Sensorimotor Cortical Networks in the Brain. Journal of Neuroscience, 2011, 31, 9574-9584.	1.7	51

#	Article	IF	Citations
19	Functional Deficit and Recovery of Developing Sensorimotor Networks following Neonatal Hypoxic-Ischemic Injury in the Rat. Cerebral Cortex, 2010, 20, 2080-2091.	1.6	28
20	Long-Term Plasticity in Mouse Sensorimotor Circuits after Rhythmic Whisker Stimulation. Journal of Neuroscience, 2009, 29, 5326-5335.	1.7	61
21	Roles of mGluR5 in synaptic function and plasticity of the mouse thalamocortical pathway. European Journal of Neuroscience, 2009, 29, 1379-1396.	1.2	37
22	A mouse model for studying large-scale neuronal networks using EEG mapping techniques. NeuroImage, 2008, 42, 591-602.	2.1	57
23	Modified Sensory Processing in the Barrel Cortex of the Adult Mouse After Chronic Whisker Stimulation. Journal of Neurophysiology, 2007, 97, 2130-2147.	0.9	31
24	Plasticity of Astrocytic Coverage and Glutamate Transporter Expression in Adult Mouse Cortex. PLoS Biology, 2006, 4, e343.	2.6	260
25	Glial Glutamate Transporters and Maturation of the Mouse Somatosensory Cortex. Cerebral Cortex, 2003, 13, 1110-1121.	1.6	52
26	Formation of Dendritic Spines with GABAergic Synapses Induced by Whisker Stimulation in Adult Mice. Neuron, 2002, 34, 265-273.	3.8	402