

Ana LÃ-a AlbarracÃ-n

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2874745/publications.pdf>

Version: 2024-02-01

16
papers

110
citations

1478505

6
h-index

1372567

10
g-index

16
all docs

16
docs citations

16
times ranked

118
citing authors

#	ARTICLE	IF	CITATIONS
1	Texture discrimination and multi-unit recording in the rat vibrissal nerve. <i>BMC Neuroscience</i> , 2006, 7, 42.	1.9	19
2	Variable Temporal Integration of Stimulus Patterns in the Mouse Barrel Cortex. <i>Cerebral Cortex</i> , 2017, 27, bhw006.	2.9	19
3	The mathematical whisker: A review of numerical models of the rat's vibrissa biomechanics. <i>Journal of Biomechanics</i> , 2016, 49, 2007-2014.	2.1	16
4	Electrophysiology for biomedical engineering students: a practical and theoretical course in animal electrocorticography. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2016, 40, 402-409.	1.6	8
5	Electrophysiological characterization of texture information slip-resistance dependent in the rat vibrissal nerve. <i>BMC Neuroscience</i> , 2011, 12, 32.	1.9	7
6	Design and construction of a photoresistive sensor for monitoring the rat vibrissal displacement. <i>Journal of Neuroscience Methods</i> , 2009, 180, 71-76.	2.5	6
7	Neural encoding schemes of tactile information in afferent activity of the vibrissal system. <i>Journal of Computational Neuroscience</i> , 2013, 34, 89-101.	1.0	6
8	Discriminability measures and time-frequency features: An application to vibrissal tactile discrimination. <i>Journal of Neuroscience Methods</i> , 2014, 233, 78-88.	2.5	6
9	Toward an Improvement of the Analysis of Neural Coding. <i>Frontiers in Neuroinformatics</i> , 2017, 11, 77.	2.5	5
10	Increase in serum prolactin levels in females improves the performance of spatial learning by promoting changes in the circuital dynamics of the hippocampus. <i>Psychoneuroendocrinology</i> , 2021, 124, 105048.	2.7	5
11	Functional specificity of rat vibrissal primary afferents. <i>Physiological Reports</i> , 2016, 4, e12810.	1.7	4
12	Quantifying muscle alterations in a Parkinson's disease animal model using electromyographic biomarkers. <i>Medical and Biological Engineering and Computing</i> , 2021, 59, 1735-1749.	2.8	4
13	A simplified empirical modeling of electrophysiological activity in a bundle of myelinated nerve fibers. <i>IEEE Latin America Transactions</i> , 2016, 14, 3345-3350.	1.6	2
14	Laboratory experience for teaching sensory physiology. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2009, 33, 115-120.	1.6	1
15	Identification of Functionally Interconnected Neurons Using Factor Analysis. <i>Computational Intelligence and Neuroscience</i> , 2017, 2017, 1-11.	1.7	1
16	Muscle function alterations in a Parkinson's disease animal model: Electromyographic recordings dataset. <i>Data in Brief</i> , 2022, 40, 107712.	1.0	1