

Isabel Fernaud

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,298
citations

687363

13
h-index

642732

23
g-index

24
all docs

24
docs citations

24
times ranked

1914
citing authors

#	ARTICLE	IF	CITATIONS
1	Super-Rough Dynamics on Tumor Growth. <i>Physical Review Letters</i> , 1998, 81, 4008-4011.	7.8	193
2	Nervous system proteoglycans as modulators of neurite outgrowth. <i>Progress in Neurobiology</i> , 2000, 61, 113-132.	5.7	164
3	Genomic Cloning and Characterization of the Human Homeobox Gene SIX6 Reveals a Cluster of SIX Genes in Chromosome 14 and Associates SIX6 Hemizygoty with Bilateral Anophthalmia and Pituitary Anomalies. <i>Genomics</i> , 1999, 61, 82-91.	2.9	163
4	Age-Based Comparison of Human Dendritic Spine Structure Using Complete Three-Dimensional Reconstructions. <i>Cerebral Cortex</i> , 2013, 23, 1798-1810.	2.9	123
5	Antagomirs targeting microRNA-134 increase hippocampal pyramidal neuron spine volume in vivo and protect against pilocarpine-induced status epilepticus. <i>Brain Structure and Function</i> , 2015, 220, 2387-2399.	2.3	101
6	Differential activation of microglia and astrocytes in aniso- and isomorphic gliotic tissue. <i>Glia</i> , 1993, 8, 277-291.	4.9	87
7	Neurite Outgrowth Inhibitor of Gliotic Brain Tissue. Mode of Action and Cellular Localization, Studied with Specific Monoclonal Antibodies. <i>European Journal of Neuroscience</i> , 1997, 9, 977-989.	2.6	67
8	FIB/SEM technology and high-throughput 3D reconstruction of dendritic spines and synapses in GFP-labeled adult-generated neurons. <i>Frontiers in Neuroanatomy</i> , 2015, 9, 60.	1.7	66
9	Morphological alterations to neurons of the amygdala and impaired fear conditioning in a transgenic mouse model of Alzheimer's disease. <i>Journal of Pathology</i> , 2009, 219, 41-51.	4.5	54
10	Reelin Regulates the Maturation of Dendritic Spines, Synaptogenesis and Glial Ensheathment of Newborn Granule Cells. <i>Cerebral Cortex</i> , 2016, 26, 4282-4298.	2.9	53
11	Metamizol potentiates morphine effects on visceral pain and evoked c-Fos immunoreactivity in spinal cord. <i>European Journal of Pharmacology</i> , 1998, 351, 39-47.	3.5	46
12	Developmental distribution of glycosaminoglycans in embryonic rat brain: Relationship to axonal tract formation. , 1996, 30, 410-424.		42
13	3D morphology-based clustering and simulation of human pyramidal cell dendritic spines. <i>PLoS Computational Biology</i> , 2018, 14, e1006221.	3.2	24
14	A neurite outgrowth-inhibitory proteoglycan expressed during development is similar to that isolated from adult brain after isomorphic injury. <i>Journal of Neurobiology</i> , 1998, 36, 16-29.	3.6	23
15	Random Positions of Dendritic Spines in Human Cerebral Cortex. <i>Journal of Neuroscience</i> , 2014, 34, 10078-10084.	3.6	15
16	Ratâ€strain dependent changes of dendritic and spine morphology in the hippocampus after cocaine selfâ€administration. <i>Addiction Biology</i> , 2017, 22, 78-92.	2.6	13
17	Selective effects of Î”9-tetrahydrocannabinol on medium spiny neurons in the striatum. <i>PLoS ONE</i> , 2018, 13, e0200950.	2.5	13
18	A univocal definition of the neuronal soma morphology using Gaussian mixture models. <i>Frontiers in Neuroanatomy</i> , 2015, 9, 137.	1.7	11

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19	Expression of the α -chain of the complement regulator C4b-binding protein in human ovary. <i>European Journal of Cell Biology</i> , 1999, 78, 657-664.	3.6	9
20	PyramidalExplorer: A New Interactive Tool to Explore Morpho-Functional Relations of Human Pyramidal Neurons. <i>Frontiers in Neuroanatomy</i> , 2015, 9, 159.	1.7	9
21	Three-dimensional spatial modeling of spines along dendritic networks in human cortical pyramidal neurons. <i>PLoS ONE</i> , 2017, 12, e0180400.	2.5	9
22	Musical Representation of Dendritic Spine Distribution: A New Exploratory Tool. <i>Neuroinformatics</i> , 2014, 12, 341-53.	2.8	6
23	Neuronize v2: Bridging the Gap Between Existing Proprietary Tools to Optimize Neuroscientific Workflows. <i>Frontiers in Neuroanatomy</i> , 2020, 14, 585793.	1.7	5
24	A Unified Framework for Neuroscience Morphological Data Visualization. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4652.	2.5	2