

Marta Navarrete

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8185141/publications.pdf>

Version: 2024-02-01

30
papers

4,183
citations

279798

23
h-index

454955

30
g-index

33
all docs

33
docs citations

33
times ranked

5180
citing authors

#	ARTICLE	IF	CITATIONS
1	Tripartite synapses: astrocytes process and control synaptic information. Trends in Neurosciences, 2009, 32, 421-431.	8.6	1,391
2	Endocannabinoids Mediate Neuron-Astrocyte Communication. Neuron, 2008, 57, 883-893.	8.1	478
3	Endocannabinoids Potentiate Synaptic Transmission through Stimulation of Astrocytes. Neuron, 2010, 68, 113-126.	8.1	406
4	Astrocytes Mediate In Vivo Cholinergic-Induced Synaptic Plasticity. PLoS Biology, 2012, 10, e1001259.	5.6	332
5	Glial cells in neuronal network function. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 2375-2381.	4.0	238
6	Structural and Functional Plasticity of Astrocyte Processes and Dendritic Spine Interactions. Journal of Neuroscience, 2014, 34, 12738-12744.	3.6	234
7	Astrocyte Calcium Signal and Gliotransmission in Human Brain Tissue. Cerebral Cortex, 2013, 23, 1240-1246.	2.9	110
8	Endocannabinoids Induce Lateral Long-Term Potentiation of Transmitter Release by Stimulation of Gliotransmission. Cerebral Cortex, 2015, 25, 3699-3712.	2.9	102
9	Astrocytes in endocannabinoid signalling. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130599.	4.0	99
10	Melanopsin for precise optogenetic activation of astrocyte-neuron networks. Glia, 2019, 67, 915-934.	4.9	86
11	Novel function of Tau in regulating the effects of external stimuli on adult hippocampal neurogenesis. EMBO Journal, 2016, 35, 1417-1436.	7.8	74
12	A specific prelimbic-nucleus accumbens pathway controls resilience versus vulnerability to food addiction. Nature Communications, 2020, 11, 782.	12.8	70
13	Astrocytic p38 β MAPK drives NMDA receptor-dependent long-term depression and modulates long-term memory. Nature Communications, 2019, 10, 2968.	12.8	66
14	Artificial Astrocytes Improve Neural Network Performance. PLoS ONE, 2011, 6, e19109.	2.5	66
15	Cux1 Enables Interhemispheric Connections of Layer II/III Neurons by Regulating Kv1-Dependent Firing. Neuron, 2016, 89, 494-506.	8.1	64
16	Potential energy surface, kinetics, and dynamics study of the Cl+CH ₄ →HCl+CH ₃ reaction. Journal of Chemical Physics, 2006, 124, 124306.	3.0	61
17	Potential Energy Surface for the F(2P _{3/2} ,2P _{1/2}) + CH ₄ Hydrogen Abstraction Reaction. Kinetics and Dynamics Study. Journal of Physical Chemistry A, 2005, 109, 1441-1448.	2.5	39
18	Trapping of the OH Radical by α -Tocopherol: A Theoretical Study. Journal of Physical Chemistry A, 2005, 109, 4777-4784.	2.5	39

#	ARTICLE	IF	CITATIONS
19	Astrocyte and neuron cooperation in long-term depression. Trends in Neurosciences, 2021, 44, 837-848.	8.6	39
20	TLR4 pathway impairs synaptic number and cerebrovascular functions through astrocyte activation following traumatic brain injury. British Journal of Pharmacology, 2021, 178, 3395-3413.	5.4	36
21	The Cajal school and the physiological role of astrocytes: a way of thinking. Frontiers in Neuroanatomy, 2014, 8, 33.	1.7	34
22	Theoretical Study of the Antioxidant Activity of Vitamin E: Reactions of α -Tocopherol with the Hydroperoxy Radical. Journal of Chemical Theory and Computation, 2005, 1, 337-344.	5.3	32
23	Basal Synaptic Transmission: Astrocytes Rule!. Cell, 2011, 146, 675-677.	28.9	27
24	Insulin regulates neurovascular coupling through astrocytes. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	16
25	PTEN Activity Defines an Axis for Plasticity at Cortico-Amygdala Synapses and Influences Social Behavior. Cerebral Cortex, 2019, 30, 505-524.	2.9	12
26	Nrg1 haploinsufficiency alters inhibitory cortical circuits. Neurobiology of Disease, 2021, 157, 105442.	4.4	10
27	Electrically Driven Insulation in the Central Nervous System. Science, 2011, 333, 1587-1588.	12.6	7
28	Mechanism and kinetics of the n-propyl bromide and OH reaction using integrated ab initio methods and variational transition-state theory. Computational and Theoretical Chemistry, 2004, 679, 207-224.	1.5	6
29	In Utero Electroporation Approaches to Study the Excitability of Neuronal Subpopulations and Single-cell Connectivity. Journal of Visualized Experiments, 2017, , .	0.3	6
30	New hybrid method for reactive systems from integrating molecular orbital or molecular mechanics methods with analytical potential energy surfaces. Journal of Chemical Physics, 2004, 121, 5098-5108.	3.0	2