

# 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	Insulin regulates neurovascular coupling through astrocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	16
2	TLR4 pathway impairs synaptic number and cerebrovascular functions through astrocyte activation following traumatic brain injury. <i>British Journal of Pharmacology</i> , 2021, 178, 3395-3413.	5.4	36
3	Nrg1 haploinsufficiency alters inhibitory cortical circuits. <i>Neurobiology of Disease</i> , 2021, 157, 105442.	4.4	10
4	Astrocyte and neuron cooperation in long-term depression. <i>Trends in Neurosciences</i> , 2021, 44, 837-848.	8.6	39
5	A specific prelimbic-nucleus accumbens pathway controls resilience versus vulnerability to food addiction. <i>Nature Communications</i> , 2020, 11, 782.	12.8	70
6	Astrocytic p38 $\beta$ MAPK drives NMDA receptor-dependent long-term depression and modulates long-term memory. <i>Nature Communications</i> , 2019, 10, 2968.	12.8	66
7	PTEN Activity Defines an Axis for Plasticity at Cortico-Amygdala Synapses and Influences Social Behavior. <i>Cerebral Cortex</i> , 2019, 30, 505-524.	2.9	12
8	Melanopsin for precise optogenetic activation of astrocyte-neuron networks. <i>Glia</i> , 2019, 67, 915-934.	4.9	86
9	&lt;em>In Utero&/em> Electroporation Approaches to Study the Excitability of Neuronal Subpopulations and Single-cell Connectivity. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	6
10	Novel function of Tau in regulating the effects of external stimuli on adult hippocampal neurogenesis. <i>EMBO Journal</i> , 2016, 35, 1417-1436.	7.8	74
11	Cux1 Enables Interhemispheric Connections of Layer II/III Neurons by Regulating Kv1-Dependent Firing. <i>Neuron</i> , 2016, 89, 494-506.	8.1	64
12	Endocannabinoids Induce Lateral Long-Term Potentiation of Transmitter Release by Stimulation of Gliotransmission. <i>Cerebral Cortex</i> , 2015, 25, 3699-3712.	2.9	102
13	The Cajal school and the physiological role of astrocytes: a way of thinking. <i>Frontiers in Neuroanatomy</i> , 2014, 8, 33.	1.7	34
14	Astrocytes in endocannabinoid signalling. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130599.	4.0	99
15	Structural and Functional Plasticity of Astrocyte Processes and Dendritic Spine Interactions. <i>Journal of Neuroscience</i> , 2014, 34, 12738-12744.	3.6	234
16	Astrocyte Calcium Signal and Gliotransmission in Human Brain Tissue. <i>Cerebral Cortex</i> , 2013, 23, 1240-1246.	2.9	110
17	Astrocytes Mediate In Vivo Cholinergic-Induced Synaptic Plasticity. <i>PLoS Biology</i> , 2012, 10, e1001259.	5.6	332
18	Electrically Driven Insulation in the Central Nervous System. <i>Science</i> , 2011, 333, 1587-1588.	12.6	7

#	ARTICLE	IF	CITATIONS
19	Basal Synaptic Transmission: Astrocytes Rule!. Cell, 2011, 146, 675-677.	28.9	27
20	Artificial Astrocytes Improve Neural Network Performance. PLoS ONE, 2011, 6, e19109.	2.5	66
21	Endocannabinoids Potentiate Synaptic Transmission through Stimulation of Astrocytes. Neuron, 2010, 68, 113-126.	8.1	406
22	Glial cells in neuronal network function. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 2375-2381.	4.0	238
23	Tripartite synapses: astrocytes process and control synaptic information. Trends in Neurosciences, 2009, 32, 421-431.	8.6	1,391
24	Endocannabinoids Mediate Neuron-Astrocyte Communication. Neuron, 2008, 57, 883-893.	8.1	478
25	Potential energy surface, kinetics, and dynamics study of the Cl+CH <sub>4</sub> →HCl+CH <sub>3</sub> reaction. Journal of Chemical Physics, 2006, 124, 124306.	3.0	61
26	Theoretical Study of the Antioxidant Activity of Vitamin E: Reactions of $\dot{\text{I}}\pm$ -Tocopherol with the Hydroperoxy Radical. Journal of Chemical Theory and Computation, 2005, 1, 337-344.	5.3	32
27	Potential Energy Surface for the F(2P <sub>3/2</sub> ,2P <sub>1/2</sub> ) + CH <sub>4</sub> Hydrogen Abstraction Reaction. Kinetics and Dynamics Study. Journal of Physical Chemistry A, 2005, 109, 1441-1448.	2.5	39
28	Trapping of the OH Radical by $\dot{\text{I}}\pm$ -Tocopherol: A Theoretical Study. Journal of Physical Chemistry A, 2005, 109, 4777-4784.	2.5	39
29	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
30	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