Juan Mena-Segovia

List of Publications by Year
in descending order

34 papers	2,516 citations	279798 23 h-index	434195 31 g-index
38 all docs	38 docs citations	38 times ranked	2603 citing authors

#	Article	IF	Citations
1	Midbrain cholinergic neurons signal negative feedback to promote behavioral flexibility. Trends in Neurosciences, 2022, , .	8.6	1
2	Whole-brain mapping of monosynaptic inputs to midbrain cholinergic neurons. Scientific Reports, 2021, 11, 9055.	3.3	18
3	Modulation of motor behavior by the mesencephalic locomotor region. Cell Reports, 2021, 36, 109594.	6.4	43
4	Cholinergic midbrain afferents modulate striatal circuits and shape encoding of action strategies. Nature Communications, 2020, 11, 1739.	12.8	46
5	Distribution of Midbrain Cholinergic Axons in the Thalamus. ENeuro, 2020, 7, ENEURO.0454-19.2019.	1.9	35
6	Pedunculopontine Glutamatergic Neurons Provide a Novel Source of Feedforward Inhibition in the Striatum by Selectively Targeting Interneurons. Journal of Neuroscience, 2019, 39, 4727-4737.	3.6	39
7	Papers arising from the 12th International Basal Ganglia Society Meeting. March 26thâ€“30th 2017, MÃ©rida, YucatÃ¡n, MÃ©xico. European Journal of Neuroscience, 2019, 49, 591-592.	2.6	0
8	Dichotomy between motor and cognitive functions of midbrain cholinergic neurons. Neurobiology of Disease, 2019, 128, 59-66.	4.4	14
9	Targeted Activation of Cholinergic Interneurons Accounts for the Modulation of Dopamine by Striatal Nicotinic Receptors. ENeuro, 2018, 5, ENEURO.0397-17.2018.	1.9	41
10	Rethinking the Pedunculopontine Nucleus: From Cellular Organization to Function. Neuron, 2017, 94, 7-18.	8.1	192
11	Extrinsic Sources of Cholinergic Innervation of the Striatal Complex: A Whole-Brain Mapping Analysis. Frontiers in Neuroanatomy, 2016, 10, 1.	1.7	128
12	Segregated cholinergic transmission modulates dopamine neurons integrated in distinct functional circuits. Nature Neuroscience, 2016, 19, 1025-1033.	14.8	122
13	Structural and functional considerations of the cholinergic brainstem. Journal of Neural Transmission, 2016, 123, 731-736.	2.8	45
14	Decoding brain state transitions in the pedunculopontine nucleus: cooperative phasic and tonic mechanisms. Frontiers in Neural Circuits, 2015, 9, 68.	2.8	39
15	Divergent motor projections from the pedunculopontine nucleus are differentially regulated in Parkinsonism. Brain Structure and Function, 2014, 219, 1451-62.	2.3	28
16	Convergence of cortical and thalamic input to direct and indirect pathway medium spiny neurons in the striatum. Brain Structure and Function, 2014, 219, 1787-1800.	2.3	91
17	A Major External Source of Cholinergic Innervation of the Striatum and Nucleus Accumbens Originates in the Brainstem. Journal of Neuroscience, 2014, 34, 4509-4518.	3.6	267
18	Abnormal functional connectivity between motor cortex and pedunculopontine nucleus following chronic dopamine depletion. Journal of Neurophysiology, 2014, 111, 434-440.	1.8	26

#	Article	IF	Citations
19	Dynamic Interaction of Spindles and Gamma Activity during Cortical Slow Oscillations and Its Modulation by Subcortical Afferents. PLoS ONE, 2013, 8, e67540.	2.5	22
20	Subpopulations of cholinergic, GABAergic and glutamatergic neurons in the pedunculopontine nucleus contain calciumâ€binding proteins and are heterogeneously distributed. European Journal of Neuroscience, 2012, 35, 723-734.	2.6	47
21	Phasic modulation of cortical high-frequency oscillations by pedunculopontine neurons. Progress in Brain Research, 2011, 193, 85-92.	1.4	16
22	Topographical Organization of the Pedunculopontine Nucleus. Frontiers in Neuroanatomy, 2011, 5, 22.	1.7	195
23	Distinct types of non-cholinergic pedunculopontine neurons are differentially modulated during global brain states. Neuroscience, 2010, 170, 78-91.	2.3	57
24	GABAergic neuron distribution in the pedunculopontine nucleus defines functional subterritories. Journal of Comparative Neurology, 2009, 515, 397-408.	1.6	94
25	Microcircuits of the Pedunculopontine Nucleus. Advances in Behavioral Biology, 2009, , 159-165.	0.2	0
26	Cholinergic brainstem neurons modulate cortical gamma activity during slow oscillations. Journal of Physiology, 2008, 586, 2947-2960.	2.9	175
27	Cholinergic modulation of midbrain dopaminergic systems. Brain Research Reviews, 2008, 58, 265-271.	9.0	129
28	The basal ganglia in Parkinson's disease: Current concepts and unexplained observations. Annals of Neurology, 2008, 64, S30-S46.	5.3	205
29	The Pedunculopontine Nucleus. , 2005, , 533-544.		4
30	Long-term effects of striatal lesions on c-Fos immunoreactivity in the pedunculopontine nucleus. European Journal of Neuroscience, 2004, 20, 2367-2376.	2.6	5
31	Pedunculopontine nucleus and basal ganglia: distant relatives or part of the same family?. Trends in Neurosciences, 2004, 27, 585-588.	8.6	304
32	Striatal dopaminergic stimulation produces c-Fos expression in the PPT and an increase in wakefulness. Brain Research, 2003, 986, 30-38.	2.2	18
33	Induction of c-fos in nucleus accumbens in naive male Balb/c mice after wheel running. Neuroscience Letters, 2003, 352, 81-84.	2.1	24
34	Changes in sleepâ€“waking cycle after striatal excitotoxic lesions. Behavioural Brain Research, 2002, 136, 475-481.	2.2	36