David GonzÃ¡lez-Forero

List of Publications by Year
in descending order

26 papers	836 citations	516710 16 h-index	552781 26 g-index
26 all docs	26 docs citations	26 times ranked	957 citing authors

#	Article	IF	Citations
1	Noncholinergic excitatory actions of motoneurons in the neonatal mammalian spinal cord. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 7344-7349.	7.1	152
2	Nitric Oxide-Directed Synaptic Remodeling in the Adult Mammal CNS. Journal of Neuroscience, 2005, 25, 1448-1458.	3.6	76
3	Differential Postnatal Maturation of GABAA, Glycine Receptor, and Mixed Synaptic Currents in Renshaw Cells and Ventral Spinal Interneurons. Journal of Neuroscience, 2005, 25, 2010-2023.	3.6	63
4	Nitric Oxide Induces Pathological Synapse Loss by a Protein Kinase G-, Rho Kinase-Dependent Mechanism Preceded by Myosin Light Chain Phosphorylation. Journal of Neuroscience, 2010, 30, 973-984.	3.6	61
5	Membrane-Derived Phospholipids Control Synaptic Neurotransmission and Plasticity. PLoS Biology, 2015, 13, e1002153.	5.6	57
6	Endogenous Rho-Kinase Signaling Maintains Synaptic Strength by Stabilizing the Size of the Readily Releasable Pool of Synaptic Vesicles. Journal of Neuroscience, 2012, 32, 68-84.	3.6	48
7	Inhibition of Resting Potassium Conductances by Long-Term Activation of the NO/cGMP/Protein Kinase G Pathway: A New Mechanism Regulating Neuronal Excitability. Journal of Neuroscience, 2007, 27, 6302-6312.	3.6	42
8	Nitric Oxide and Synaptic Dynamics in the Adult Brain: Physiopathological Aspects. Reviews in the Neurosciences, 2006, 17, 309-57.	2.9	41
9	NO Orchestrates the Loss of Synaptic Boutons from Adult â€œSickâ€•Motoneurons: Modeling a Molecular Mechanism. Molecular Neurobiology, 2011, 43, 41-66.	4.0	37
10	Regulation of Gephyrin Cluster Size and Inhibitory Synaptic Currents on Renshaw Cells by Motor Axon Excitatory Inputs. Journal of Neuroscience, 2005, 25, 417-429.	3.6	33
11	Nerve injury reduces responses of hypoglossal motoneurones to baseline and chemoreceptor-modulated inspiratory drive in the adult rat. Journal of Physiology, 2004, 557, 991-1011.	2.9	27
12	Sp1-regulated expression of p11 contributes to motor neuron degeneration by membrane insertion of TASK1. Nature Communications, 2019, 10, 3784.	12.8	23
13	Recruitment Order of Cat Abducens Motoneurons and Internuclear Neurons. Journal of Neurophysiology, 2003, 90, 2240-2252.	1.8	23
14	Transynaptic effects of tetanus neurotoxin in the oculomotor system. Brain, 2005, 128, 2175-2188.	7.6	22
15	The nitric oxide/cyclic guanosine monophosphate pathway modulates the inspiratoryâ€related activity of hypoglossal motoneurons in the adult rat. European Journal of Neuroscience, 2008, 28, 107-116.	2.6	17
16	Evidence for a detrimental role of nitric oxide synthesized by endothelial nitric oxide synthase after peripheral nerve injury. Neuroscience, 2008, 157, 40-51.	2.3	17
17	Retrograde response in axotomized motoneurons: Nitric oxide as a key player in triggering reversion toward a dedifferentiated phenotype. Neuroscience, 2014, 283, 138-165.	2.3	17
18	Influence of afferent synaptic innervation on the discharge variability of cat abducens motoneurones. Journal of Physiology, 2002, 541, 283-299.	2.9	16

#	Article	IF	Citations
19	Functional Alterations of Cat Abducens Neurons After Peripheral Tetanus Neurotoxin Injection. Journal of Neurophysiology, 2003, 89, 1878-1890.	1.8	13
20	Synaptic structural modification following changes in activity induced by tetanus neurotoxin in cat abducens neurons. Journal of Comparative Neurology, 2004, 471, 201-218.	1.6	13
21	The A-Current Modulates Learning via NMDA Receptors Containing the NR2B Subunit. PLoS ONE, 2011, 6, e24915.	2.5	13
22	Correlation between CGRP immunoreactivity and firing activity in cat abducens motoneurons. Journal of Comparative Neurology, 2002, 451, 201-212.	1.6	9
23	Reversible deafferentation of abducens motoneurons and internuclear neurons with tetanus neurotoxin. NeuroReport, 2001, 12, 753-756.	1.2	7
24	Interfering with lysophosphatidic acid receptor edg2/lpa₁ signalling slows down disease progression in <i>SOD1â€G93A</i> transgenic mice. Neuropathology and Applied Neurobiology, 2021, 47, 1004-1018.	3.2	4
25	Targeting autotaxin impacts disease advance in the SOD1â€G93A mouse model of amyotrophic lateral sclerosis. Brain Pathology, 2022, 32, e13022.	4.1	3
26	Lysophosphatidic Acid and Several Neurotransmitters Converge on Rho-Kinase 2 Signaling to Manage Motoneuron Excitability. Frontiers in Molecular Neuroscience, 2021, 14, 788039.	2.9	2