Carmelo Sgobio

List of Publications by Year
in descending order

43 papers	2,507 citations	236925 25 h-index	233421 45 g-index
47 all docs	47 docs citations	47 times ranked	4024 citing authors

#	Article	IF	Citations
1	Enriched environment promotes behavioral and morphological recovery in a mouse model for the fragile X syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 11557-11562.	7.1	279
2	Conditional Expression of Parkinson's Disease-Related Mutant Â-Synuclein in the Midbrain Dopaminergic Neurons Causes Progressive Neurodegeneration and Degradation of Transcription Factor Nuclear Receptor Related 1. Journal of Neuroscience, 2012, 32, 9248-9264.	3.6	165
3	LRRK2 regulates synaptogenesis and dopamine receptor activation through modulation of PKA activity. Nature Neuroscience, 2014, 17, 367-376.	14.8	158
4	Distinct Levels of Dopamine Denervation Differentially Alter Striatal Synaptic Plasticity and NMDA Receptor Subunit Composition. Journal of Neuroscience, 2010, 30, 14182-14193.	3.6	155
5	Inhibition of phosphodiesterases rescues striatal long-term depression and reduces levodopa-induced dyskinesia. Brain, 2011, 134, 375-387.	7.6	125
6	Mechanisms underlying the impairment of hippocampal long-term potentiation and memory in experimental Parkinsonâ€™s disease. Brain, 2012, 135, 1884-1899.	7.6	124
7	Short-term and long-term plasticity at corticostriatal synapses: Implications for learning and memory. Behavioural Brain Research, 2009, 199, 108-118.	2.2	115
8	Synaptic vesicle glycoprotein 2C (SV2C) modulates dopamine release and is disrupted in Parkinson disease. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2253-E2262.	7.1	101
9	Synaptic dysfunction in Parkinson's disease. Biochemical Society Transactions, 2010, 38, 493-497.	3.4	96
10	Dopamine-Dependent Long-Term Depression Is Expressed in Striatal Spiny Neurons of Both Direct and Indirect Pathways: Implications for Parkinson's Disease. Journal of Neuroscience, 2011, 31, 12513-12522.	3.6	94
11	Plastic and behavioral abnormalities in experimental Huntington's disease: A crucial role for cholinergic interneurons. Neurobiology of Disease, 2006, 22, 143-152.	4.4	79
12	Hippocampal Synaptic Plasticity, Memory, and Epilepsy: Effects of Long-Term Valproic Acid Treatment. Biological Psychiatry, 2010, 67, 567-574.	1.3	68
13	Rebalance of Striatal NMDA/AMPA Receptor Ratio Underlies the Reduced Emergence of Dyskinesia During D2-Like Dopamine Agonist Treatment in Experimental Parkinson's Disease. Journal of Neuroscience, 2012, 32, 17921-17931.	3.6	67
14	Î±-Synuclein Mutation Inhibits Endocytosis at Mammalian Central Nerve Terminals. Journal of Neuroscience, 2016, 36, 4408-4414.	3.6	66
15	Targeting NR2A-containing NMDA receptors reduces L-DOPA-induced dyskinesias. Neurobiology of Aging, 2012, 33, 2138-2144.	3.1	60
16	Altered cortico-striatal synaptic plasticity and related behavioural impairments in reeler mice. European Journal of Neuroscience, 2006, 24, 2061-2070.	2.6	54
17	Amyloid precursor protein maintains constitutive and adaptive plasticity of dendritic spines in adult brain by regulating Dâ€serine homeostasis. EMBO Journal, 2016, 35, 2213-2222.	7.8	46
18	Molecular and synaptic changes in the hippocampus underlying superior spatial abilities in pre-symptomatic G93A+/+ mice overexpressing the human Cu/Zn superoxide dismutase (Gly93Ââ†'ÂALA) mutation. Experimental Neurology, 2006, 197, 505-514.	4.1	43

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19	Striatumâ€“hippocampus balance: From physiological behavior to interneuronal pathology. Progress in Neurobiology, 2011, 94, 102-114.	5.7	43
20	Selective expression of Parkinson's disease-related<i>Leucine-rich repeat kinase 2</i>G2019S missense mutation in midbrain dopaminergic neurons impairs dopamine release and dopaminergic gene expression. Human Molecular Genetics, 2015, 24, 5299-5312.	2.9	42
21	Longitudinal PET Monitoring of Amyloidosis and Microglial Activation in a Second-Generation Amyloid-Î² Mouse Model. Journal of Nuclear Medicine, 2019, 60, 1787-1793.	5.0	41
22	Abnormal medial prefrontal cortex connectivity and defective fear extinction in the presymptomatic G93A SOD1 mouse model of ALS. Genes, Brain and Behavior, 2008, 7, 427-434.	2.2	34
23	Reelin haploinsufficiency reduces the density of PV+ neurons in circumscribed regions of the striatum and selectively alters striatal-based behaviors. Psychopharmacology, 2009, 204, 511-521.	3.1	34
24	Aldehyde dehydrogenase 1â€“positive nigrostriatal dopaminergic fibers exhibit distinct projection pattern and dopamine release dynamics at mouse dorsal striatum. Scientific Reports, 2017, 7, 5283.	3.3	34
25	Postsynaptic Alteration of NR2A Subunit and Defective Autophosphorylation of alphaCaMKII at Threonine-286 Contribute to Abnormal Plasticity and Morphology of Upper Motor Neurons in Presymptomatic SOD1G93A Mice, a Murine Model for Amyotrophic Lateral Sclerosis. Cerebral Cortex, 2011, 21, 796-805.	2.9	33
26	TrkB/BDNF-Dependent Striatal Plasticity and Behavior in a Genetic Model of Epilepsy: Modulation by Valproic Acid. Neuropsychopharmacology, 2010, 35, 1531-1540.	5.4	32
27	Epilepsyâ€induced abnormal striatal plasticity in Bassoon mutant mice. European Journal of Neuroscience, 2009, 29, 1979-1993.	2.6	26
28	Acetyl-l-Carnitine selectively prevents post-ischemic LTP via a possible action on mitochondrial energy metabolism. Neuropharmacology, 2008, 55, 223-229.	4.1	25
29	Intensification of maternal care by doubleâ€mothering boosts cognitive function and hippocampal morphology in the adult offspring. Hippocampus, 2011, 21, 298-308.	1.9	25
30	Optogenetic Measurement of Presynaptic Calcium Transients Using Conditional Genetically Encoded Calcium Indicator Expression in Dopaminergic Neurons. PLoS ONE, 2014, 9, e111749.	2.5	25
31	Tau deletion reduces plaqueâ€associated <scp>BACE</scp> 1 accumulation and decelerates plaque formation in a mouse model of Alzheimer's disease. EMBO Journal, 2019, 38, e102345.	7.8	24
32	mTOR inhibitor rapamycin suppresses striatal post-ischemic LTP. Experimental Neurology, 2010, 226, 328-331.	4.1	23
33	Contextual learning increases dendrite complexity and EphrinB2 levels in hippocampal mouse neurons. Behavioural Brain Research, 2012, 227, 175-183.	2.2	23
34	Theta-burst stimulation and striatal plasticity in experimental parkinsonism. Experimental Neurology, 2012, 236, 395-398.	4.1	23
35	Loss of fragile X mental retardation protein precedes Lewy pathology in Parkinsonâ€™s disease. Acta Neuropathologica, 2020, 139, 319-345.	7.7	17
36	Reversible inactivation of hippocampus and dorsolateral striatum in C57BL/6 and DBA/2 inbred mice failed to show interaction between memory systems in these genotypes. Behavioural Brain Research, 2004, 154, 527-534.	2.2	15

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37	Landmark-based but not vestibular-based orientation elicits mossy fiber synaptogenesis in the mouse hippocampus. Neurobiology of Learning and Memory, 2007, 87, 174-180.	1.9	15
38	In vivo Ca 2+ imaging of astrocytic microdomains reveals a critical role of the amyloid precursor protein for mitochondria. Glia, 2019, 67, 985-998.	4.9	15
39	Striatal synaptic changes in experimental parkinsonism: Role of NMDA receptor trafficking in PSD. Parkinsonism and Related Disorders, 2008, 14, S145-S149.	2.2	14
40	Unbalanced calcium channel activity underlies selective vulnerability of nigrostriatal dopaminergic terminals in Parkinsonian mice. Scientific Reports, 2019, 9, 4857.	3.3	13
41	Impact of Î±â€synuclein spreading on the nigrostriatal dopaminergic pathway depends on the onset of the pathology. Brain Pathology, 2022, 32, e13036.	4.1	12
42	l-DOPA reverses the impairment of Dentate Gyrus LTD in experimental parkinsonism via Î²-adrenergic receptors. Experimental Neurology, 2014, 261, 377-385.	4.1	9
43	No apparent transmission of transgenic Î±â€"synuclein into nigrostriatal dopaminergic neurons in multiple mouse models. Translational Neurodegeneration, 2015, 4, 23.	8.0	7