

Emilio J Galvan

List of Publications by Year in descending order

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papers

773
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430442

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all docs

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docs citations

42
times ranked

968
citing authors

#	ARTICLE	IF	CITATIONS
1	Probiotics and Prebiotics as a Therapeutic Strategy to Improve Memory in a Model of Middle-Aged Rats. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 416.	1.7	73
2	Bidirectional Hebbian Plasticity at Hippocampal Mossy Fiber Synapses on CA3 Interneurons. <i>Journal of Neuroscience</i> , 2008, 28, 14042-14055.	1.7	60
3	Ca ²⁺ channels that activate Ca ²⁺ -dependent K ⁺ currents in neostriatal neurons. <i>Neuroscience</i> , 1999, 95, 745-752.	1.1	54
4	Calcium-Activated Afterhyperpolarizations Regulate Synchronization and Timing of Epileptiform Bursts in Hippocampal CA3 Pyramidal Neurons. <i>Journal of Neurophysiology</i> , 2006, 96, 3028-3041.	0.9	50
5	Vinpocetine blockade of sodium channels inhibits the rise in sodium and calcium induced by 4-aminopyridine in synaptosomes. <i>Neurochemistry International</i> , 2005, 46, 533-540.	1.9	46
6	Modulation of hippocampal excitability via the hydroxycarboxylic acid receptor 1. <i>Hippocampus</i> , 2018, 28, 557-567.	0.9	41
7	Aging-related impairments of hippocampal mossy fibers synapses on CA3 pyramidal cells. <i>Neurobiology of Aging</i> , 2017, 49, 119-137.	1.5	34
8	Quantitative morphometry of electrophysiologically identified CA3b interneurons reveals robust local geometry and distinct cell classes. <i>Journal of Comparative Neurology</i> , 2009, 515, 677-695.	0.9	33
9	Multiple forms of long-term synaptic plasticity at hippocampal mossy fiber synapses on interneurons. <i>Neuropharmacology</i> , 2011, 60, 740-747.	2.0	31
10	Critical Involvement of Postsynaptic Protein Kinase Activation in Long-Term Potentiation at Hippocampal Mossy Fiber Synapses on CA3 Interneurons. <i>Journal of Neuroscience</i> , 2010, 30, 2844-2855.	1.7	29
11	1-Ethyl-2-benzimidazolinone (EBIO) suppresses epileptiform activity in in vitro hippocampus. <i>Neuropharmacology</i> , 2005, 49, 376-388.	2.0	28
12	Coincidence detection of convergent perforant path and mossy fibre inputs by CA3 interneurons. <i>Journal of Physiology</i> , 2008, 586, 2695-2712.	1.3	27
13	mGluRs Modulate Strength and Timing of Excitatory Transmission in Hippocampal Area CA3. <i>Molecular Neurobiology</i> , 2011, 44, 93-101.	1.9	25
14	Lactate induces synapse-specific potentiation on CA3 pyramidal cells of rat hippocampus. <i>PLoS ONE</i> , 2020, 15, e0242309.	1.1	22
15	Characterization of the Participation of Sodium Channels on the Rise in Na ⁺ Induced by 4-Aminopyridine (4-AP) in Synaptosomes. <i>Neurochemical Research</i> , 2004, 29, 347-355.	1.6	20
16	Synapse-specific compartmentalization of signaling cascades for LTP induction in CA3 interneurons. <i>Neuroscience</i> , 2015, 290, 332-345.	1.1	20
17	TrkB-mediated activation of the phosphatidylinositol 3-kinase/Akt cascade reduces the damage inflicted by oxygen-glucose deprivation in area CA3 of the rat hippocampus. <i>European Journal of Neuroscience</i> , 2018, 47, 1096-1109.	1.2	20
18	Minocycline prevents neuronal hyperexcitability and neuroinflammation in medial prefrontal cortex, as well as memory impairment caused by repeated toluene inhalation in adolescent rats. <i>Toxicology and Applied Pharmacology</i> , 2020, 395, 114980.	1.3	20

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19	Propylparaben reduces the excitability of hippocampal neurons by blocking sodium channels. <i>NeuroToxicology</i> , 2016, 57, 183-193.	1.4	14
20	Target-Dependent Compartmentalization of the Corelease of Glutamate and GABA from the Mossy Fibers. <i>Journal of Neuroscience</i> , 2017, 37, 701-714.	1.7	11
21	Metabotropic Glutamate Receptors at the Aged Mossy Fiber “ CA3 Synapse of the Hippocampus. <i>Neuroscience</i> , 2021, 456, 95-105.	1.1	11
22	Area CA3 interneurons receive two spatially segregated mossy fiber inputs. <i>Hippocampus</i> , 2010, 20, 1003-1009.	0.9	10
23	Properties and functional implications of Ih in hippocampal area CA3 interneurons. <i>Pflugers Archiv European Journal of Physiology</i> , 2011, 462, 895-912.	1.3	10
24	Repeated toluene exposure increases the excitability of layer 5 pyramidal neurons in the prefrontal cortex of adolescent rats. <i>Neurotoxicology and Teratology</i> , 2018, 68, 27-35.	1.2	10
25	Progressive Alterations in Synaptic Transmission and Plasticity of Area CA1 Precede the Cognitive Impairment Associated with Neonatal Administration of MK-801. <i>Neuroscience</i> , 2019, 404, 205-217.	1.1	9
26	Repeated toluene exposure alters the synaptic transmission of layer 5 medial prefrontal cortex. <i>Neurotoxicology and Teratology</i> , 2019, 73, 9-14.	1.2	9
27	Functional expression of TrkB receptors on interneurons and pyramidal cells of area CA3 of the rat hippocampus. <i>Neuropharmacology</i> , 2021, 182, 108379.	2.0	9
28	Propylparaben suppresses epileptiform activity in hippocampal CA1 pyramidal cells in vitro. <i>Epilepsy Research</i> , 2017, 136, 126-129.	0.8	7
29	Adenosine A2A and histamine H3 receptors interact at the cAMP/PKA pathway to modulate depolarization-evoked [3H]-GABA release from rat striato-pallidal terminals. <i>Purinergic Signalling</i> , 2019, 15, 85-93.	1.1	7
30	Impaired Cortical Cytoarchitecture and Reduced Excitability of Deep-Layer Neurons in the Offspring of Diabetic Rats. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 564561.	1.8	7
31	Activation of D1/D5 receptors ameliorates decreased intrinsic excitability of hippocampal neurons induced by neonatal blockade of N-methyl-D-aspartate receptors. <i>British Journal of Pharmacology</i> , 2022, 179, 1695-1715.	2.7	7
32	Maternal immune activation increases excitability via downregulation of A-type potassium channels and reduces dendritic complexity of hippocampal neurons of the offspring. <i>Brain, Behavior, and Immunity</i> , 2022, 105, 67-81.	2.0	6
33	Cocultures of GFP ⁺ granule cells with GFP ⁺ pyramidal cells and interneurons for the study of mossy fiber neurotransmission with paired recordings. <i>Hippocampus</i> , 2013, 23, 247-252.	0.9	4
34	Biophysical and synaptic properties of regular spiking interneurons in hippocampal area CA3 of aged rats. <i>Neurobiology of Aging</i> , 2022, 112, 27-38.	1.5	3
35	Systemic administration of lipopolysaccharide induces hyperexcitability of prefrontal neurons via modulation of sodium and potassium currents. <i>NeuroToxicology</i> , 2022, 91, 128-139.	1.4	3
36	Target-Dependent Compartmentalization of the Corelease of Glutamate and GABA from the Mossy Fibers. <i>Journal of Neuroscience</i> , 2017, 37, 701-714.	1.7	2

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37	Long-Term Functional and Cytoarchitectonic Effects of the Systemic Administration of the Histamine H1 Receptor Antagonist/Inverse Agonist Chlorpheniramine During Gestation in the Rat Offspring Primary Motor Cortex. <i>Frontiers in Neuroscience</i> , 2021, 15, 740282.	1.4	1
38	Lactate induces synapse-specific potentiation on CA3 pyramidal cells of rat hippocampus. , 2020, 15, e0242309.		0
39	Lactate induces synapse-specific potentiation on CA3 pyramidal cells of rat hippocampus. , 2020, 15, e0242309.		0
40	Lactate induces synapse-specific potentiation on CA3 pyramidal cells of rat hippocampus. , 2020, 15, e0242309.		0
41	Lactate induces synapse-specific potentiation on CA3 pyramidal cells of rat hippocampus. , 2020, 15, e0242309.		0