

Margaret I Davis

List of Publications by Year in descending order

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33
papers

2,331
citations

331670

21
h-index

454955

30
g-index

34
all docs

34
docs citations

34
times ranked

3631
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic reorganization of striatal circuits during the acquisition and consolidation of a skill. <i>Nature Neuroscience</i> , 2009, 12, 333-341.	14.8	681
2	Loss of GluN2B-Containing NMDA Receptors in CA1 Hippocampus and Cortex Impairs Long-Term Depression, Reduces Dendritic Spine Density, and Disrupts Learning. <i>Journal of Neuroscience</i> , 2010, 30, 4590-4600.	3.6	281
3	Metabotropic glutamate receptor 5 activation inhibits microglial associated inflammation and neurotoxicity. <i>Glia</i> , 2009, 57, 550-560.	4.9	157
4	Adenosine Receptor Activation Induces Vascular Endothelial Growth Factor in Human Retinal Endothelial Cells. <i>Circulation Research</i> , 1999, 85, 699-706.	4.5	149
5	GluN2B in corticostriatal circuits governs choice learning and choice shifting. <i>Nature Neuroscience</i> , 2013, 16, 1101-1110.	14.8	137
6	Ethanolâ€™BDNF interactions: Still more questions than answers. , 2008, 118, 36-57.		127
7	The Role of Protein Synthesis in Striatal Long-Term Depression. <i>Journal of Neuroscience</i> , 2006, 26, 11811-11820.	3.6	96
8	A Predominant Role for Inhibition of the Adenylate Cyclase/Protein Kinase A Pathway in ERK Activation by Cannabinoid Receptor 1 in N1E-115 Neuroblastoma Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 48973-48980.	3.4	83
9	The cannabinoid-1 receptor is abundantly expressed in striatal striosomes and striosome-dendron bouquets of the substantia nigra. <i>PLoS ONE</i> , 2018, 13, e0191436.	2.5	62
10	Dopamine dynamics and cocaine sensitivity differ between striosome and matrix compartments of the striatum. <i>Neuropharmacology</i> , 2016, 108, 275-283.	4.1	50
11	Modulation of retinal endothelial cell behaviour by insulin-like growth factor 1 and somatostatin analogues: Implications for diabetic retinopathy. <i>Growth Hormone and IGF Research</i> , 2001, 11, S53-S59.	1.1	46
12	The Therapeutic Problem of Proliferative Diabetic Retinopathy: Targeting Somatostatin Receptors. <i>Hormone and Metabolic Research</i> , 2001, 33, 295-299.	1.5	44
13	In vivo activation and in situ BDNF-stimulated nuclear translocation of mitogen-activated/extracellular signal-regulated protein kinase is inhibited by ethanol in the developing rat hippocampus. <i>Neuroscience Letters</i> , 1999, 272, 95-98.	2.1	40
14	The Endogenous Brain Constituent <i>N</i> -Arachidonoyl L-Serine Is an Activator of Large Conductance Ca ²⁺ -Activated K ⁺ Channels. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 328, 351-361.	2.5	39
15	Nr4a1-eGFP Is a Marker of Striosome-Matrix Architecture, Development and Activity in the Extended Striatum. <i>PLoS ONE</i> , 2011, 6, e16619.	2.5	35
16	Phorbol ester-stimulated stellation in primary cultures of astrocytes from different brain regions. <i>Microscopy Research and Technique</i> , 1994, 29, 319-327.	2.2	34
17	Aldehyde dehydrogenase 1â€™positive nigrostriatal dopaminergic fibers exhibit distinct projection pattern and dopamine release dynamics at mouse dorsal striatum. <i>Scientific Reports</i> , 2017, 7, 5283.	3.3	34
18	Fear memory impairing effects of systemic treatment with the NMDA NR2B subunit antagonist, Ro 25-6981, in mice: Attenuation with ageing. <i>Pharmacology Biochemistry and Behavior</i> , 2009, 91, 453-460.	2.9	31

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19	Regulation of glycinergic and GABAergic synaptogenesis by brain-derived neurotrophic factor in developing spinal neurons. <i>Neuroscience</i> , 2007, 145, 484-494.	2.3	27
20	Endocannabinoid- and mGluR5-Dependent Short-Term Synaptic Depression in an Isolated Neuron/Bouton Preparation From the Hippocampal CA1 Region. <i>Journal of Neurophysiology</i> , 2008, 100, 1041-1052.	1.8	27
21	Brain BLAQ: Post-hoc thick-section histochemistry for localizing optogenetic constructs in neurons and their distal terminals. <i>Frontiers in Neuroanatomy</i> , 2015, 9, 6.	1.7	26
22	Specificity of Metabotropic Glutamate Receptor 2 Coupling to G Proteins. <i>Molecular Pharmacology</i> , 2003, 63, 183-191.	2.3	22
23	Ethanol inhibits brain-derived neurotrophic factor stimulation of extracellular signal-regulated/mitogen-activated protein kinase in cerebellar granule cells. <i>Alcohol</i> , 2006, 39, 29-37.	1.7	21
24	Chronic methylphenidate exposure during adolescence reduces striatal synaptic responses to ethanol. <i>European Journal of Neuroscience</i> , 2014, 39, 548-556.	2.6	12
25	Hydrophobic Photolabeling Studies Identify the Lipid-Protein Interface of the 5-HT _{3A} Receptor. <i>Biochemistry</i> , 2009, 48, 9278-9286.	2.5	11
26	A rapid screening method for population-specific neuronal motogens, substrates and associated signaling pathways. <i>Journal of Neuroscience Methods</i> , 2007, 166, 178-194.	2.5	9
27	Rem2, a member of the RCK family of small GTPases, is enriched in nuclei of the basal ganglia. <i>Scientific Reports</i> , 2016, 6, 25137.	3.3	9
28	Fluorophore assisted light inactivation (FALI) of recombinant 5-HT _{3A} receptor constitutive internalization and function. <i>Molecular and Cellular Neurosciences</i> , 2011, 47, 79-92.	2.2	7
29	Endocannabinoid Signaling in the Striatum. <i>Handbook of Behavioral Neuroscience</i> , 2010, , 167-186.	0.7	6
30	Subsets of spiny striosomal striatal neurons revealed in the Gad1-GFP BAC transgenic mouse. <i>Basal Ganglia</i> , 2011, 1, 201-211.	0.3	5
31	Neurotrophic Factors and Ethanol Neurotoxicity. , 2014, , 1671-1732.		2
32	Coating Powders for Drug Delivery Systems Using Pulsed Laser Deposition. , 2006, , 215-237.		1
33	Organotypic Brain Slice Cultures for Functional Analysis of Alcohol-Related Disorders. <i>Alcoholism: Clinical and Experimental Research</i> , 1998, 22, 51.	2.4	0