

Miriam Melis

List of Publications by Year in descending order

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86
papers

6,309
citations

66343

42
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69250

77
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90
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90
docs citations

90
times ranked

6099
citing authors

#	ARTICLE	IF	CITATIONS
1	Endocannabinoids Mediate Presynaptic Inhibition of Glutamatergic Transmission in Rat Ventral Tegmental Area Dopamine Neurons through Activation of CB1 Receptors. <i>Journal of Neuroscience</i> , 2004, 24, 53-62.	3.6	432
2	Cannabinoids activate mesolimbic dopamine neurons by an action on cannabinoid CB1 receptors. <i>European Journal of Pharmacology</i> , 1998, 341, 39-44.	3.5	333
3	Prefrontal Cortex Stimulation Induces 2-Arachidonoyl-Glycerol-Mediated Suppression of Excitation in Dopamine Neurons. <i>Journal of Neuroscience</i> , 2004, 24, 10707-10715.	3.6	232
4	The Dopamine Hypothesis of Drug Addiction: Hypodopaminergic State. <i>International Review of Neurobiology</i> , 2005, 63, 101-154.	2.0	228
5	Sex differences in addictive disorders. <i>Frontiers in Neuroendocrinology</i> , 2014, 35, 272-284.	5.2	211
6	Cell-specific STORM super-resolution imaging reveals nanoscale organization of cannabinoid signaling. <i>Nature Neuroscience</i> , 2015, 18, 75-86.	14.8	205
7	Mesolimbic dopaminergic decline after cannabinoid withdrawal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 10269-10273.	7.1	187
8	Rehabilitating the addicted brain with transcranial magnetic stimulation. <i>Nature Reviews Neuroscience</i> , 2017, 18, 685-693.	10.2	184
9	Long-Lasting Potentiation of GABAergic Synapses in Dopamine Neurons after a Single In Vivo Ethanol Exposure. <i>Journal of Neuroscience</i> , 2002, 22, 2074-2082.	3.6	175
10	Adolescent exposure to cannabinoids induces long-Lasting changes in the response to drugs of abuse of rat midbrain dopamine neurons. <i>Biological Psychiatry</i> , 2004, 56, 86-94.	1.3	174
11	Endogenous Fatty Acid Ethanolamides Suppress Nicotine-Induced Activation of Mesolimbic Dopamine Neurons through Nuclear Receptors. <i>Journal of Neuroscience</i> , 2008, 28, 13985-13994.	3.6	164
12	Inhibitory Inputs from Rostromedial Tegmental Neurons Regulate Spontaneous Activity of Midbrain Dopamine Cells and Their Responses to Drugs of Abuse. <i>Neuropsychopharmacology</i> , 2012, 37, 1164-1176.	5.4	159
13	Adolescent exposure to THC in female rats disrupts developmental changes in the prefrontal cortex. <i>Neurobiology of Disease</i> , 2015, 73, 60-69.	4.4	150
14	Effects of Drugs of Abuse on Putative Rostromedial Tegmental Neurons, Inhibitory Afferents to Midbrain Dopamine Cells. <i>Neuropsychopharmacology</i> , 2011, 36, 589-602.	5.4	135
15	From Surface to Nuclear Receptors: The Endocannabinoid Family Extends its Assets. <i>Current Medicinal Chemistry</i> , 2010, 17, 1450-1467.	2.4	128
16	Increase in meso-prefrontal dopaminergic activity after stimulation of CB1 receptors by cannabinoids. <i>European Journal of Neuroscience</i> , 1998, 10, 2825-2830.	2.6	124
17	Cannabis and the Developing Brain: Insights into Its Long-Lasting Effects. <i>Journal of Neuroscience</i> , 2019, 39, 8250-8258.	3.6	124
18	Cannabinoids modulate neuronal firing in the rat basolateral amygdala: evidence for CB1- and non-CB1-mediated actions. <i>Neuropharmacology</i> , 2004, 46, 115-125.	4.1	114

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19	Cannabinoids modulate spontaneous neuronal activity and evoked inhibition of locus coeruleus noradrenergic neurons. <i>European Journal of Neuroscience</i> , 2006, 23, 2385-2394.	2.6	109
20	Lasting reduction in mesolimbic dopamine neuronal activity after morphine withdrawal. <i>European Journal of Neuroscience</i> , 1999, 11, 1037-1041.	2.6	106
21	Different mechanisms for dopaminergic excitation induced by opiates and cannabinoids in the rat midbrain. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2000, 24, 993-1006.	4.8	104
22	Dissociation of Haloperidol, Clozapine, and Olanzapine Effects on Electrical Activity of Mesocortical Dopamine Neurons and Dopamine Release in the Prefrontal Cortex. <i>Neuropsychopharmacology</i> , 2000, 22, 642-649.	5.4	97
23	Prenatal THC exposure produces a hyperdopaminergic phenotype rescued by pregnenolone. <i>Nature Neuroscience</i> , 2019, 22, 1975-1985.	14.8	93
24	Peroxisome Proliferator-Activated Receptors-Alpha Modulate Dopamine Cell Activity Through Nicotinic Receptors. <i>Biological Psychiatry</i> , 2010, 68, 256-264.	1.3	92
25	Acetaldehyde mediates alcohol activation of the mesolimbic dopamine system. <i>European Journal of Neuroscience</i> , 2007, 26, 2824-2833.	2.6	91
26	Protective activation of the endocannabinoid system during ischemia in dopamine neurons. <i>Neurobiology of Disease</i> , 2006, 24, 15-27.	4.4	89
27	PPAR α Regulates Cholinergic-Driven Activity of Midbrain Dopamine Neurons via a Novel Mechanism Involving $\alpha 7$ Nicotinic Acetylcholine Receptors. <i>Journal of Neuroscience</i> , 2013, 33, 6203-6211.	3.6	79
28	Effects of cannabinoids on prefrontal neuronal responses to ventral tegmental area stimulation. <i>European Journal of Neuroscience</i> , 2001, 14, 96-102.	2.6	78
29	The endocannabinoid system and nondrug rewarding behaviours. <i>Experimental Neurology</i> , 2010, 224, 23-36.	4.1	78
30	Consequences of Perinatal Cannabis Exposure. <i>Trends in Neurosciences</i> , 2019, 42, 871-884.	8.6	75
31	Involvement of the endogenous cannabinoid system in the effects of alcohol in the mesolimbic reward circuit: electrophysiological evidence in vivo. <i>Psychopharmacology</i> , 2005, 183, 368-377.	3.1	71
32	Enhanced serotonin and mesolimbic dopamine transmissions in a rat model of neuropathic pain. <i>Neuropharmacology</i> , 2015, 97, 383-393.	4.1	68
33	PPAR β Activation Attenuates Opioid Consumption and Modulates Mesolimbic Dopamine Transmission. <i>Neuropsychopharmacology</i> , 2015, 40, 927-937.	5.4	67
34	Hub and switches: endocannabinoid signalling in midbrain dopamine neurons. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 3276-3285.	4.0	66
35	Stimulation of in vivo dopamine transmission and intravenous self-administration in rats and mice by JWH-018, a Spice cannabinoid. <i>Neuropharmacology</i> , 2015, 99, 705-714.	4.1	65
36	Chronic morphine and naltrexone fail to modify μ -opioid receptor mRNA levels in the rat brain. <i>Molecular Brain Research</i> , 1997, 45, 149-153.	2.3	64

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37	Maternal Immune Activation Disrupts Dopamine System in the Offspring. <i>International Journal of Neuropsychopharmacology</i> , 2016, 19, pyw007.	2.1	58
38	Ethanol and acetaldehyde action on central dopamine systems: mechanisms, modulation, and relationship to stress. <i>Alcohol</i> , 2009, 43, 531-539.	1.7	56
39	Sex differences in impulsive and compulsive behaviors: a focus on drug addiction. <i>Addiction Biology</i> , 2016, 21, 1043-1051.	2.6	50
40	Physiological Role of Peroxisome Proliferator-Activated Receptors Type Alpha on Dopamine Systems. <i>CNS and Neurological Disorders - Drug Targets</i> , 2013, 12, 70-77.	1.4	48
41	PPAR α modulation of mesolimbic dopamine transmission rescues depression-related behaviors. <i>Neuropharmacology</i> , 2016, 110, 251-259.	4.1	48
42	NMDARs Mediate the Role of Monoamine Oxidase A in Pathological Aggression. <i>Journal of Neuroscience</i> , 2012, 32, 8574-8582.	3.6	47
43	Sex-specific tonic 2-arachidonoylglycerol signaling at inhibitory inputs onto dopamine neurons of Lister Hooded rats. <i>Frontiers in Integrative Neuroscience</i> , 2013, 7, 93.	2.1	47
44	Enhanced Endocannabinoid-Mediated Modulation of Rostromedial Tegmental Nucleus Drive onto Dopamine Neurons in Sardinian Alcohol-Preferring Rats. <i>Journal of Neuroscience</i> , 2014, 34, 12716-12724.	3.6	47
45	Optogenetic inhibition of chemically induced hypersynchronized bursting in mice. <i>Neurobiology of Disease</i> , 2014, 65, 133-141.	4.4	44
46	Strain Specific Synaptic Modifications on Ventral Tegmental Area Dopamine Neurons After Ethanol Exposure. <i>Biological Psychiatry</i> , 2009, 65, 646-653.	1.3	42
47	Endocannabinoid Signaling in Midbrain Dopamine Neurons: More than Physiology?. <i>Current Neuropharmacology</i> , 2007, 5, 268-277.	2.9	41
48	PPAR-Alpha Agonists as Novel Antiepileptic Drugs: Preclinical Findings. <i>PLoS ONE</i> , 2013, 8, e64541.	2.5	41
49	Crucial Role of Acetaldehyde in Alcohol Activation of the Mesolimbic Dopamine System. <i>Annals of the New York Academy of Sciences</i> , 2008, 1139, 307-317.	3.8	39
50	Key role of salsolinol in ethanol actions on dopamine neuronal activity of the posterior ventral tegmental area. <i>Addiction Biology</i> , 2015, 20, 182-193.	2.6	39
51	Interactions between the endocannabinoid and nicotinic cholinergic systems: preclinical evidence and therapeutic perspectives. <i>Psychopharmacology</i> , 2016, 233, 1765-1777.	3.1	39
52	Endocannabinoid Signaling in Motivation, Reward, and Addiction. <i>International Review of Neurobiology</i> , 2015, 125, 257-302.	2.0	38
53	Electrophysiological properties of dopamine neurons in the ventral tegmental area of Sardinian alcohol-preferring rats. <i>Psychopharmacology</i> , 2009, 201, 471-481.	3.1	34
54	New vistas on cannabis use disorder. <i>Neuropharmacology</i> , 2017, 124, 62-72.	4.1	33

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55	Rationale for an adjunctive therapy with fenofibrate in pharmacoresistant nocturnal frontal lobe epilepsy. <i>Epilepsia</i> , 2017, 58, 1762-1770.	5.1	32
56	Medial forebrain bundle stimulation evokes endocannabinoid-mediated modulation of ventral tegmental area dopamine neuron firing in vivo. <i>Psychopharmacology</i> , 2007, 191, 843-853.	3.1	31
57	̢-Hydroxybutyric acid (GHB) and the mesoaccumbens reward circuit: Evidence for GABAB receptor-mediated effects. <i>Neuroscience</i> , 2005, 131, 465-474.	2.3	30
58	Gene-environment interactions in antisocial behavior are mediated by early-life 5-HT2A receptor activation. <i>Neuropharmacology</i> , 2019, 159, 107513.	4.1	30
59	Endocannabinoids and the Processing of Value-Related Signals. <i>Frontiers in Pharmacology</i> , 2012, 3, 7.	3.5	29
60	Interplay between synaptic endocannabinoid signaling and metaplasticity in neuronal circuit function and dysfunction. <i>European Journal of Neuroscience</i> , 2014, 39, 1189-1201.	2.6	27
61	Clozapine potently stimulates mesocortical dopamine neurons. <i>European Journal of Pharmacology</i> , 1999, 366, R11-R13.	3.5	26
62	The PPAR α agonist fenofibrate attenuates disruption of dopamine function in a maternal immune activation rat model of schizophrenia. <i>CNS Neuroscience and Therapeutics</i> , 2019, 25, 549-561.	3.9	25
63	Altered Chloride Homeostasis Decreases the Action Potential Threshold and Increases Hyperexcitability in Hippocampal Neurons. <i>ENeuro</i> , 2017, 4, ENEURO.0172-17.2017.	1.9	24
64	Haloperidol does not produce dopamine cell depolarization-block in paralyzed, unanesthetized rats. <i>Brain Research</i> , 1998, 783, 127-132.	2.2	22
65	Targeting the interaction between fatty acid ethanolamides and nicotinic receptors: Therapeutic perspectives. <i>Pharmacological Research</i> , 2014, 86, 42-49.	7.1	22
66	Conjugated Linoleic Acid and Brain Metabolism: A Possible Anti-Neuroinflammatory Role Mediated by PPAR α Activation. <i>Frontiers in Pharmacology</i> , 2020, 11, 587140.	3.5	22
67	Rimonabant, a potent CB1 cannabinoid receptor antagonist, is a G α i/o protein inhibitor. <i>Neuropharmacology</i> , 2018, 133, 107-120.	4.1	21
68	Astrocytic Mechanisms Involving Kynurenic Acid Control ̢-Tetrahydrocannabinol-Induced Increases in Glutamate Release in Brain Reward-Processing Areas. <i>Molecular Neurobiology</i> , 2019, 56, 3563-3575.	4.0	20
69	Mesolimbic dopamine dysregulation as a signature of information processing deficits imposed by prenatal THC exposure. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021, 105, 110128.	4.8	20
70	Gender Differences in the Outcome of Offspring Prenatally Exposed to Drugs of Abuse. <i>Frontiers in Behavioral Neuroscience</i> , 2020, 14, 72.	2.0	19
71	Prenatal THC Does Not Affect Female Mesolimbic Dopaminergic System in Preadolescent Rats. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1666.	4.1	17
72	Dysfunctional mesocortical dopamine circuit at pre-adolescence is associated to aggressive behavior in MAO-A hypomorphic mice exposed to early life stress. <i>Neuropharmacology</i> , 2019, 159, 107517.	4.1	16

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73	Use of Marijuana: Effect on Brain Health: A Scientific Statement From the American Heart Association. <i>Stroke</i> , 2022, 53, STR0000000000000396.	2.0	16
74	Repurposing Peroxisome Proliferator-Activated Receptor Agonists in Neurological and Psychiatric Disorders. <i>Pharmaceuticals</i> , 2021, 14, 1025.	3.8	13
75	Individual Differences and Vulnerability to Drug Addiction: A Focus on the Endocannabinoid System. <i>CNS and Neurological Disorders - Drug Targets</i> , 2015, 14, 502-517.	1.4	12
76	Exercise craving potentiates excitatory inputs to ventral tegmental area dopaminergic neurons. <i>Addiction Biology</i> , 2021, 26, e12967.	2.6	10
77	Cyclo-oxygenase-inhibitors increase morphine effects on mesolimbic dopamine neurons. <i>European Journal of Pharmacology</i> , 2000, 387, R1-R3.	3.5	9
78	Clozapine does activate nigrostriatal dopamine neurons in unanesthetized rats. <i>European Journal of Pharmacology</i> , 1998, 363, 135-138.	3.5	8
79	Editorial: Exploring Gender and Sex Differences in Behavioral Dyscontrol: From Drug Addiction to Impulse Control Disorders. <i>Frontiers in Psychiatry</i> , 2016, 7, 19.	2.6	8
80	Choosing the right drug: status and future of endocannabinoid research for the prevention of drug-seeking reinstatement. <i>Current Opinion in Pharmacology</i> , 2021, 56, 29-38.	3.5	8
81	Role of genetic background in the effects of adolescent nicotine exposure on mesolimbic dopamine transmission. <i>Addiction Biology</i> , 2020, 25, e12803.	2.6	7
82	The cyclo-oxygenase inhibitor nimesulide induces conditioned place preference in rats. <i>European Journal of Pharmacology</i> , 2000, 406, 75-77.	3.5	6
83	COR758, a negative allosteric modulator of GABAB receptors. <i>Neuropharmacology</i> , 2021, 189, 108537.	4.1	6
84	Selective inhibition of phosphodiesterase 7 enzymes reduces motivation for nicotine use through modulation of mesolimbic dopaminergic transmission. <i>Journal of Neuroscience</i> , 2021, , JN-RM-3180-20.	3.6	3
85	Special issue editorial: Cannabinoid signalling in the brain: New vistas. <i>European Journal of Neuroscience</i> , 2022, 55, 903-908.	2.6	1
86	Electrophysiological Effects of Cannabinoids in the Basal Ganglia. <i>Advances in Behavioral Biology</i> , 2002, , 275-296.	0.2	0