David M Lovinger

List of Publications by Year
in descending order

172 papers	14,433 citations	15504 65 h-index	22166 113 g-index
185 all docs	185 docs citations	185 times ranked	11351 citing authors

#	Article	IF	Citations
1	Concurrent activation of striatal direct and indirect pathways during action initiation. Nature, 2013, 494, 238-242.	27.8	1,008
2	Dynamic reorganization of striatal circuits during the acquisition and consolidation of a skill. Nature Neuroscience, 2009, 12, 333-341.	14.8	681
3	Postsynaptic endocannabinoid release is critical to long-term depression in the striatum. Nature Neuroscience, 2002, 5, 446-451.	14.8	670
4	Dopaminergic Control of Corticostriatal Long-Term Synaptic Depression in Medium Spiny Neurons Is Mediated by Cholinergic Interneurons. Neuron, 2006, 50, 443-452.	8.1	451
5	It could be habit forming: drugs of abuse and striatal synaptic plasticity. Trends in Neurosciences, 2003, 26, 184-192.	8.6	443
6	Selective Activation of Cholinergic Interneurons Enhances Accumbal Phasic Dopamine Release: Setting the Tone for Reward Processing. Cell Reports, 2012, 2, 33-41.	6.4	424
7	Neurotransmitter roles in synaptic modulation, plasticity and learning in the dorsal striatum. Neuropharmacology, 2010, 58, 951-961.	4.1	415
8	CB1 Cannabinoid Receptor Inhibits Synaptic Release of Glutamate in Rat Dorsolateral Striatum. Journal of Neurophysiology, 2001, 85, 468-471.	1.8	412
9	Cocaine supersensitivity and enhanced motivation for reward in mice lacking dopamine D2 autoreceptors. Nature Neuroscience, 2011, 14, 1033-1038.	14.8	306
10	Alcohol and the Brain: Neuronal Molecular Targets, Synapses, and Circuits. Neuron, 2017, 96, 1223-1238.	8.1	285
11	Disrupted motor learning and long-term synaptic plasticity in mice lacking NMDAR1 in the striatum. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 15254-15259.	7.1	242
12	Disruption of Endocannabinoid Release and Striatal Long-Term Depression by Postsynaptic Blockade of Endocannabinoid Membrane Transport. Journal of Neuroscience, 2004, 24, 1673-1679.	3.6	216
13	Endocannabinoid Modulation of Orbitostriatal Circuits Gates Habit Formation. Neuron, 2016, 90, 1312-1324.	8.1	208
14	Protein kinase C modulates glutamate receptor inhibition of Ca2+ channels and synaptic transmission. Nature, 1993, 361, 165-168.	27.8	207
15	Presynaptic Modulation by Endocannabinoids. Handbook of Experimental Pharmacology, 2008, , 435-477.	1.8	203
16	Ethanol inhibits NMDA-activated current but does not alter GABA-activated current in an isolated adult mammalian neuron. Brain Research, 1990, 507, 332-336.	2.2	199
17	Regional and Postnatal Heterogeneity of Activity-Dependent Long-Term Changes in Synaptic Efficacy in the Dorsal Striatum. Journal of Neurophysiology, 2000, 84, 1422-1429.	1.8	195
18	Excitotoxicity and Alcohol-Related Brain Damage. Alcoholism: Clinical and Experimental Research, 1993, 17, 19-27.	2.4	189

#	Article	IF	Citations
19	Chronic alcohol produces neuroadaptations to prime dorsal striatal learning. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 14783-14788.	7.1	172
20	Ethanol Induces Long-Term Facilitation of NR2B-NMDA Receptor Activity in the Dorsal Striatum: Implications for Alcohol Drinking Behavior. Journal of Neuroscience, 2007, 27, 3593-3602.	3.6	169
21	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
22	Frequency-specific and D2 receptor-mediated inhibition of glutamate release by retrograde endocannabinoid signaling. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8251-8256.	7.1	160
23	LRRK2 regulates synaptogenesis and dopamine receptor activation through modulation of PKA activity. Nature Neuroscience, 2014, 17, 367-376.	14.8	158
24	Alcohols and neurotransmitter gated ion channels: past, present and future. Naunyn-Schmiedeberg's Archives of Pharmacology, 1997, 356, 267-282.	3.0	154
25	Activation of Group I mGluRs Is Necessary for Induction of Long-Term Depression at Striatal Synapses. Journal of Neurophysiology, 2001, 86, 2405-2412.	1.8	149
26	Parallel, but Dissociable, Processing in Discrete Corticostriatal Inputs Encodes Skill Learning. Neuron, 2017, 96, 476-489.e5.	8.1	149
27	Trans-1-aminocyclopentane-1,3-dicarboxylic acid (t-ACPD) decreases synaptic excitation in rat striatal slices through a presynaptic action. Neuroscience Letters, 1991, 129, 17-21.	2.1	137
28	Endocannabinoid modulation of dopamine neurotransmission. Neuropharmacology, 2017, 124, 52-61.	4.1	133
29	Weeding out bad waves: towards selective cannabinoid circuit control in epilepsy. Nature Reviews Neuroscience, 2015, 16, 264-277.	10.2	124
30	Emerging roles for endocannabinoids in long-term synaptic plasticity. British Journal of Pharmacology, 2003, 140, 781-789.	5.4	121
31	Repeated Binge-Like Ethanol Drinking Alters Ethanol Drinking Patterns and Depresses Striatal GABAergic Transmission. Neuropsychopharmacology, 2014, 39, 579-594.	5.4	121
32	Endocannabinoidâ€dependent plasticity at GABAergic and glutamatergic synapses in the striatum is regulated by synaptic activity. European Journal of Neuroscience, 2009, 29, 32-41.	2.6	120
33	Retrograde Endocannabinoid Signaling in a Postsynaptic Neuron/Synaptic Bouton Preparation from Basolateral Amygdala. Journal of Neuroscience, 2005, 25, 6199-6207.	3.6	116
34	Nicotinic Acetylcholine Receptors Interact with Dopamine in Induction of Striatal Long-Term Depression. Journal of Neuroscience, 2002, 22, 2541-2549.	3.6	115
35	Synaptic and Morphological Neuroadaptations in the Putamen Associated with Long-Term, Relapsing Alcohol Drinking in Primates. Neuropsychopharmacology, 2011, 36, 2513-2528.	5.4	115
36	Deep brain optical measurements of cell typeâ€“specific neural activity in behaving mice. Nature Protocols, 2014, 9, 1213-1228.	12.0	115

#	Article	IF	Citations
37	Synaptic Effects Induced by Alcohol. Current Topics in Behavioral Neurosciences, 2010, 13, 31-86.	1.7	115
38	Opioids induce dissociable forms of long-term depression of excitatory inputs to the dorsal striatum. Nature Neuroscience, 2014, 17, 540-548.	14.8	109
39	Decreased Frequency But Not Amplitude of Quantal Synaptic Responses Associated with Expression of Corticostriatal Long-Term Depression. Journal of Neuroscience, 1997, 17, 8613-8620.	3.6	107
40	Synaptic Effects Induced by Alcohol. Current Topics in Behavioral Neurosciences, 2010, , 31-86.	1.7	107
41	Loss of metabotropic glutamate receptor 2 escalates alcohol consumption. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16963-16968.	7.1	105
42	Ethanol potentiation of 5-HT3 receptor-mediated ion current in NCB-20 neuroblastoma cells. Neuroscience Letters, 1991, 122, 57-60.	2.1	102
43	Retrograde endocannabinoid signaling at striatal synapses requires a regulated postsynaptic release step. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20564-20569.	7.1	98
44	Serotonin Induces Long-Term Depression at Corticostriatal Synapses. Journal of Neuroscience, 2011, 31, 7402-7411.	3.6	98
45	The Role of Protein Synthesis in Striatal Long-Term Depression. Journal of Neuroscience, 2006, 26, 11811-11820.	3.6	96
46	Ethanol reverses the direction of long-term synaptic plasticity in the dorsomedial striatum. European Journal of Neuroscience, 2007, 25, 3226-3232.	2.6	95
47	Laboratory models of alcoholism: treatment target identification and insight into mechanisms. Nature Neuroscience, 2005, 8, 1471-1480.	14.8	92
48	Presynaptic long-term depression mediated by Gi/o-coupled receptors. Trends in Neurosciences, 2014, 37, 663-673.	8.6	92
49	Induction of striatal long-term synaptic depression by moderate frequency activation of cortical afferents in rat. Journal of Physiology, 2005, 562, 245-256.	2.9	90
50	Endocannabinoid Actions on Cortical Terminals Orchestrate Local Modulation of Dopamine Release in the Nucleus Accumbens. Neuron, 2017, 96, 1112-1126.e5.	8.1	90
51	Ethanol Potentiates GABAergic Synaptic Transmission in a Postsynaptic Neuron/Synaptic Bouton Preparation From Basolateral Amygdala. Journal of Neurophysiology, 2006, 96, 433-441.	1.8	87
52	Acute Alcohol Action and Desensitization of Ligand-Gated Ion Channels. Pharmacological Reviews, 2009, 61, 98-114.	16.0	87
53	Combined Activation of L-Type Ca2+ Channels and Synaptic Transmission Is Sufficient to Induce Striatal Long-Term Depression. Journal of Neuroscience, 2007, 27, 6781-6787.	3.6	85
54	Cannabinoids, Endocannabinoids and Sleep. Frontiers in Molecular Neuroscience, 2020, 13, 125.	2.9	84

#	Article	IF	Citations
55	A fluorescent sensor for spatiotemporally resolved imaging of endocannabinoid dynamics in vivo. Nature Biotechnology, 2022, 40, 787-798.	17.5	84
56	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. Journal of Biological Chemistry, 2003, 278, 48973-48980.	3.4	83
57	Ethanol inhibition of N -methyl-D -aspartate-activated current in mouse hippocampal neurones: whole-cell patch-clamp analysis. British Journal of Pharmacology, 1997, 122, 1035-1042.	5.4	80
58	Striatal Involvement in Human Alcoholism and Alcohol Consumption, and Withdrawal in Animal Models. Alcoholism: Clinical and Experimental Research, 2011, 35, 1739-1748.	2.4	80
59	Functional Relevance of Endocannabinoid-Dependent Synaptic Plasticity in the Central Nervous System. ACS Chemical Neuroscience, 2018, 9, 2146-2161.	3.5	79
60	Anandamide Regulates Postnatal Development of Long-Term Synaptic Plasticity in the Rat Dorsolateral Striatum. Journal of Neuroscience, 2007, 27, 2403-2409.	3.6	78
61	High ethanol sensitivity of recombinant AMPA-type glutamate receptors expressed in mammalian cells. Neuroscience Letters, 1993, 159, 83-87.	2.1	77
62	Plastic Control of Striatal Glutamatergic Transmission by Ensemble Actions of Several Neurotransmitters and Targets for Drugs of Abuse. Annals of the New York Academy of Sciences, 2003, 1003, 226-240.	3.8	77
63	Alcohols potentiate the function of 5-HT3receptor-channels on NCB-20 neuroblastoma cells by favouring and stabilizing the open channel state. Journal of Physiology, 1998, 507, 335-352.	2.9	72
64	Frequency-Dependent Inversion of Net Striatal Output by Endocannabinoid-Dependent Plasticity at Different Synaptic Inputs. Journal of Neuroscience, 2009, 29, 1375-1380.	3.6	71
65	Persistent Synaptic Activity Produces Long-Lasting Enhancement of Endocannabinoid Modulation and Alters Long-Term Synaptic Plasticity. Journal of Neurophysiology, 2007, 97, 4386-4389.	1.8	70
66	Ethanol Inhibits Î±-Amino-3-hydyroxy-5-methyl-4-isoxazolepropionic Acid (AMPA) Receptor Function in Central Nervous System Neurons by Stabilizing Desensitization. Journal of Pharmacology and Experimental Therapeutics, 2003, 306, 546-555.	2.5	67
67	Tonic for what ails us? high-affinity GABAA receptors and alcohol. Alcohol, 2007, 41, 139-143.	1.7	66
68	Endocannabinoidâ€“Dopamine Interactions in Striatal Synaptic Plasticity. Frontiers in Pharmacology, 2012, 3, 66.	3.5	65
69	Endocannabinoid Signaling Regulates Sleep Stability. PLoS ONE, 2016, 11, e0152473.	2.5	65
70	Rat group I Metabotropic Glutamate Receptors Inhibit Neuronal Ca²⁺Channels via Multiple Signal Transduction Pathways in HEK 293 Cells. Journal of Neurophysiology, 1998, 79, 379-391.	1.8	62
71	The cannabinoid-1 receptor is abundantly expressed in striatal striosomes and striosome-dendron bouquets of the substantia nigra. PLoS ONE, 2018, 13, e0191436.	2.5	62
72	Brain ethanol metabolism by astrocytic ALDH2 drives the behavioural effects of ethanol intoxication. Nature Metabolism, 2021, 3, 337-351.	11.9	61

#	Article	IF	Citations
73	Voltage drives diverse endocannabinoid signals to mediate striatal microcircuit-specific plasticity. Nature Neuroscience, 2013, 16, 1275-1283.	14.8	60
74	Ethanol and trichloroethanol alter gating of 5-HT3 receptor-channels in NCB-20 neuroblastoma cells. Neuropharmacology, 2000, 39, 561-570.	4.1	54
75	Dopamine dynamics and cocaine sensitivity differ between striosome and matrix compartments of the striatum. Neuropharmacology, 2016, 108, 275-283.	4.1	50
76	Dual Dopaminergic Regulation of Corticostriatal Plasticity by Cholinergic Interneurons and Indirect Pathway Medium Spiny Neurons. Cell Reports, 2018, 24, 2883-2893.	6.4	49
77	Presynaptic G Protein-Coupled Receptors: Gatekeepers of Addiction?. Frontiers in Cellular Neuroscience, 2016, 10, 264.	3.7	47
78	Electrophysiological properties and gap junction coupling of striatal astrocytes. Neurochemistry International, 2008, 52, 1365-1372.	3.8	46
79	Voluntary Ethanol Intake Predicts Î¹-Opioid Receptor Supersensitivity and Regionally Distinct Dopaminergic Adaptations in Macaques. Journal of Neuroscience, 2015, 35, 5959-5968.	3.6	46
80	Ethanol Disinhibits Dorsolateral Striatal Medium Spiny Neurons Through Activation of A Presynaptic Delta Opioid Receptor. Neuropsychopharmacology, 2016, 41, 1831-1840.	5.4	44
81	Activation of adenosine A 1 receptors initiates short-term synaptic depression in rat striatum. Neuroscience Letters, 1995, 199, 9-12.	2.1	43
82	Inhibition of presynaptic calcium transients in cortical inputs to the dorsolateral striatum by metabotropic GABA B and mGlu2/3 receptors. Journal of Physiology, 2015, 593, 2295-2310.	2.9	43
83	Selective expression of Parkinson's disease-relatedLeucine-rich repeat kinase 2G2019S missense mutation in midbrain dopaminergic neurons impairs dopamine release and dopaminergic gene expression. Human Molecular Genetics, 2015, 24, 5299-5312.	2.9	42
84	Alcohol and basal ganglia circuitry: Animal models. Neuropharmacology, 2017, 122, 46-55.	4.1	42
85	Ethanol sensitivity and subunit composition of NMDA receptors in cultured striatal neurons. Neuropharmacology, 1998, 37, 45-56.	4.1	41
86	Metabotropic glutamate receptor 2 inhibits thalamically-driven glutamate and dopamine release in the dorsal striatum. Neuropharmacology, 2017, 117, 114-123.	4.1	41
87	Increased presynaptic regulation of dopamine neurotransmission in the nucleus accumbens core following chronic ethanol self-administration in female macaques. Psychopharmacology, 2016, 233, 1435-1443.	3.1	40
88	Classification of GABAergic neuron subtypes from the globus pallidus using wildâ€type and transgenic mice. Journal of Physiology, 2018, 596, 4219-4235.	2.9	40
89	Role of Polyamines and NMDA Receptors in Ethanol Dependence and Withdrawal. Alcoholism: Clinical and Experimental Research, 2001, 25, 132S.	2.4	39
90	Chronic alcohol alters rewarded behaviors and striatal plasticity. Addiction Biology, 2015, 20, 345-348.	2.6	38

#	Article	IF	Citations
91	Altered Sedative Effects of Ethanol in Mice with Î±1 Glycine Receptor Subunits that are Insensitive to GÎ²Î³ Modulation. Neuropsychopharmacology, 2014, 39, 2538-2548.	5.4	36
92	Role of Striatal Direct Pathway 2-Arachidonoylglycerol Signaling in Sociability and Repetitive Behavior. Biological Psychiatry, 2018, 84, 304-315.	1.3	36
93	Stress and behavioral correlates in the head-fixed method: stress measurements, habituation dynamics, locomotion, and motor-skill learning in mice. Scientific Reports, 2020, 10, 12245.	3.3	36
94	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
95	Synaptic plasticity mechanisms common to learning and alcohol use disorder. Learning and Memory, 2018, 25, 425-434.	1.3	34
96	5-HT3 receptor function and potentiation by alcohols in frontal cortex neurons from transgenic mice overexpressing the receptor. Neuropharmacology, 2000, 39, 2346-2351.	4.1	33
97	Endocannabinoids in striatal plasticity. Parkinsonism and Related Disorders, 2012, 18, S132-S134.	2.2	32
98	Contributions of nucleus accumbens dopamine to cognitive flexibility. European Journal of Neuroscience, 2019, 50, 2023-2035.	2.6	32
99	Role of Polyamines and NMDA Receptors in Ethanol Dependence and Withdrawal. Alcoholism: Clinical and Experimental Research, 2001, 25, 132S-136S.	2.4	31
100	Ethanol effects on electrophysiological properties of astrocytes in striatal brain slices. Neuropharmacology, 2006, 51, 1099-1108.	4.1	28
101	Synaptic adaptations to chronic ethanol intake in male rhesus monkey dorsal striatum depend on age of drinking onset. Neuropharmacology, 2018, 131, 128-142.	4.1	28
102	Endocannabinoid- and mGluR5-Dependent Short-Term Synaptic Depression in an Isolated Neuron/Bouton Preparation From the Hippocampal CA1 Region. Journal of Neurophysiology, 2008, 100, 1041-1052.	1.8	27
103	Cannabis use, abuse, and withdrawal: Cannabinergic mechanisms, clinical, and preclinical findings. Journal of Neurochemistry, 2021, 157, 1674-1696.	3.9	27
104	Brain BLAQ: Post-hoc thick-section histochemistry for localizing optogenetic constructs in neurons and their distal terminals. Frontiers in Neuroanatomy, 2015, 9, 6.	1.7	26
105	Ethanol-Sensitive Pacemaker Neurons in the Mouse External Globus Pallidus. Neuropsychopharmacology, 2017, 42, 1070-1081.	5.4	26
106	Local modulation by presynaptic receptors controls neuronal communication and behaviour. Nature Reviews Neuroscience, 2022, 23, 191-203.	10.2	26
107	Presence of Inhibitory Glycinergic Transmission in Medium Spiny Neurons in the Nucleus Accumbens. Frontiers in Molecular Neuroscience, 2018, 11, 228.	2.9	25
108	Optogenetic Measurement of Presynaptic Calcium Transients Using Conditional Genetically Encoded Calcium Indicator Expression in Dopaminergic Neurons. PLoS ONE, 2014, 9, e111749.	2.5	25

#	Article	IF	Citations
109	Communication networks in the brain: neurons, receptors, neurotransmitters, and alcohol. Alcohol Research, 2008, 31, 196-214.	1.0	25
110	Role of Pertussis Toxinâ€“Sensitive G-Proteins in Synaptic Transmission and Plasticity at Corticostriatal Synapses. Journal of Neurophysiology, 2000, 83, 60-69.	1.8	24
111	Mechanisms of Neuroplasticity and Ethanol's Effects on Plasticity in the Striatum and Bed Nucleus of the Stria Terminalis. , 2015, 37, 109-24.		24
112	Endocannabinoid Liberation from Neurons in Transsynaptic Signaling. Journal of Molecular Neuroscience, 2007, 33, 87-93.	2.3	23
113	Deficiency in endocannabinoid synthase DAGLB contributes to early onset Parkinsonism and murine nigral dopaminergic neuron dysfunction. Nature Communications, 2022, 13, .	12.8	22
114	Role of aspartate 298 in mouse 5-HT3Areceptor gating and modulation by extracellular Ca2+. Journal of Physiology, 2005, 568, 381-396.	2.9	21
115	Interactions between ethanol and the endocannabinoid system atÂGABAergic synapses on basolateral amygdala principal neurons. Alcohol, 2015, 49, 781-794.	1.7	21
116	Dopamine D2 receptor signaling on iMSNs is required for initiation and vigor of learned actions. Neuropsychopharmacology, 2020, 45, 2087-2097.	5.4	21
117	A Circuit-Based Information Approach to Substance Abuse Research. Trends in Neurosciences, 2021, 44, 122-135.	8.6	21
118	Long-term alcohol consumption alters dorsal striatal dopamine release and regulation by D2 dopamine receptors in rhesus macaques. Neuropsychopharmacology, 2021, 46, 1432-1441.	5.4	20
119	Molecular mechanisms underlying striatal synaptic plasticity: relevance to chronic alcohol consumption and seeking. European Journal of Neuroscience, 2019, 49, 768-783.	2.6	19
120	Influence of nonsynaptic Î±1 glycine receptors on ethanol consumption and place preference. Addiction Biology, 2020, 25, e12726.	2.6	19
121	Gestational alcohol exposure disrupts cognitive function and striatal circuits in adult offspring. Nature Communications, 2020, 11, 2555.	12.8	18
122	Longâ€term plasticity of corticostriatal synapses is modulated by pathwayâ€specific coâ€release of opioids through Îºâ€opioid receptors. Journal of Physiology, 2017, 595, 5637-5652.	2.9	18
123	Chronic ethanol self-administration in macaques shifts dopamine feedback inhibition to predominantly D2 receptors in nucleus accumbens core. Drug and Alcohol Dependence, 2016, 158, 159-163.	3.2	17
124	Operant self-stimulation of thalamic terminals in the dorsomedial striatum is constrained by metabotropic glutamate receptor 2. Neuropsychopharmacology, 2020, 45, 1454-1462.	5.4	17
125	Presynaptic Ethanol Actions: Potential Roles in Ethanol Seeking. Handbook of Experimental Pharmacology, 2017, 248, 29-54.	1.8	16
126	Synaptic changes induced by cannabinoid drugs and cannabis use disorder. Neurobiology of Disease, 2022, 167, 105670.	4.4	16

#	Article	IF	Citations
127	Mutations of L293 in transmembrane two of the mouse 5-hydroxytryptamine3A receptor alter gating and alcohol modulatory actions. British Journal of Pharmacology, 2006, 148, 88-101.	5.4	15
128	Ethanol increases desensitization of recombinant GluR-D AMPA receptor and TARP combinations. Alcohol, 2009, 43, 277-284.	1.7	15
129	Age-dependent impairment of metabotropic glutamate receptor 2-dependent long-term depression in the mouse striatum by chronic ethanol exposure. Alcohol, 2020, 82, 11-21.	1.7	15
130	Alcohol effects on globus pallidus connectivity: Role of impulsivity and binge drinking. PLoS ONE, 2020, 15, e0224906.	2.5	15
131	The L293 residue in transmembrane domain 2 of the 5-HT3A receptor is a molecular determinant of allosteric modulation by 5-hydroxyindole. Neuropharmacology, 2008, 54, 1153-1165.	4.1	14
132	Agonistâ€•and antagonistâ€‹induced upâ€‹regulation of surface 5â€‹<scp>HT</scp>₃<scp>A</scp> receptors. British Journal of Pharmacology, 2015, 172, 4066-4077.	5.4	14
133	Alcohol Withdrawal-Induced Seizure Susceptibility is Associated with an Upregulation of CaV1.3 Channels in the Rat Inferior Colliculus. International Journal of Neuropsychopharmacology, 2015, 18, pyu123-pyu123.	2.1	14
134	Parameter Optimization Using Covariance Matrix Adaptationâ€”Evolutionary Strategy (CMA-ES), an Approach to Investigate Differences in Channel Properties Between Neuron Subtypes. Frontiers in Neuroinformatics, 2018, 12, 47.	2.5	13
135	Unbalanced calcium channel activity underlies selective vulnerability of nigrostriatal dopaminergic terminals in Parkinsonian mice. Scientific Reports, 2019, 9, 4857.	3.3	13
136	Chronic methylphenidate exposure during adolescence reduces striatal synaptic responses to ethanol. European Journal of Neuroscience, 2014, 39, 548-556.	2.6	12
137	Hydrophobic Photolabeling Studies Identify the Lipidâ€”Protein Interface of the 5-HT_{3A} Receptor. Biochemistry, 2009, 48, 9278-9286.	2.5	11
138	Allosteric modulation of metabotropic glutamate receptors in alcohol use disorder: Insights from preclinical investigations. Advances in Pharmacology, 2020, 88, 193-232.	2.0	11
139	2-Arachidonoylglycerol mobilization following brief synaptic stimulation in the dorsal lateral striatum requires glutamatergic and cholinergic neurotransmission. Neuropharmacology, 2022, 205, 108916.	4.1	11
140	Changes in striatal dopamine release, sleep, and behavior during spontaneous Î”-9-tetrahydrocannabinol abstinence in male and female mice. Neuropsychopharmacology, 2022, 47, 1537-1549.	5.4	10
141	Active Zone Proteins RIM1Î±Î² Are Required for Normal Corticostriatal Transmission and Action Control. Journal of Neuroscience, 2019, 39, 1457-1470.	3.6	9
142	Spinal astrocyte aldehyde dehydrogenase-2 mediates ethanol metabolism and analgesia in mice. British Journal of Anaesthesia, 2021, 127, 296-309.	3.4	9
143	Vibrodissociation of Neurons from Rodent Brain Slices to Study Synaptic Transmission and Image Presynaptic Terminals. Journal of Visualized Experiments, 2011, , .	0.3	8
144	Fluorophore assisted light inactivation (FALI) of recombinant 5-HT3A receptor constitutive internalization and function. Molecular and Cellular Neurosciences, 2011, 47, 79-92.	2.2	7

#	Article	IF	Citations
145	Alcohol Withdrawal Increases Protein Kinase A Activity in the Rat Inferior Colliculus. Alcoholism: Clinical and Experimental Research, 2016, 40, 2359-2367.	2.4	7
146	Prenatal alcohol exposure enhances the susceptibility to NMDAâ€induced generalized tonicâ€clonic seizures in developing rats. CNS Neuroscience and Therapeutics, 2017, 23, 808-817.	3.9	7
147	Dose-dependent alcohol effects on electroencephalogram: Sedation/anesthesia is qualitatively distinct from sleep. Neuropharmacology, 2020, 164, 107913.	4.1	7
148	Wake up and smell the dopamine: new mechanisms mediating dopamine activity fluctuations related to sleep and psychostimulant sensitivity. Neuropsychopharmacology, 2021, 46, 683-684.	5.4	7
149	Corticostriatal Circuit Models of Cognitive Impairments Induced by Fetal Exposure to Alcohol. Biological Psychiatry, 2021, 90, 516-528.	1.3	7
150	Endocannabinoid Signaling in the Striatum. Handbook of Behavioral Neuroscience, 2010, , 167-186.	0.7	6
151	Subsets of spiny striosomal striatal neurons revealed in the Gad1-GFP BAC transgenic mouse. Basal Ganglia, 2011, 1, 201-211.	0.3	5
152	Alcohol withdrawal upregulates mRNA encoding for Ca V 2.1-Î±1 subunit in the rat inferior colliculus. Alcohol, 2018, 66, 21-26.	1.7	5
153	Control of exploration, motor coordination and amphetamine sensitization by cannabinoid CB₁ receptors expressed in medium spiny neurons. European Journal of Neuroscience, 2021, 54, 4934-4952.	2.6	5
154	Endocannabinoids rein in pain outside the brain. Nature Neuroscience, 2010, 13, 1155-1156.	14.8	4
155	A novel substituted aminoquinoline selectively targets voltage-sensitive sodium channel isoforms and NMDA receptor subtypes and alleviates chronic inflammatory and neuropathic pain. European Journal of Pharmacology, 2016, 784, 1-14.	3.5	4
156	An indirect route to repetitive actions. Journal of Clinical Investigation, 2017, 127, 1618-1621.	8.2	4
157	Metabotropic Glutamate Receptor 2 Positive Allosteric Modulators: Closing the Gate on Drug Abuse?. Biological Psychiatry, 2015, 78, 436-438.	1.3	3
158	Young investigators stress alcohol-induced neuroadaptations in extended amygdala. Alcohol, 2012, 46, 299-300.	1.7	2
159	Prenatal alcohol exposure in the second trimester-equivalent increases the seizure susceptibility in developing rats. Alcohol, 2020, 85, 153-164.	1.7	2
160	Ethanol induces persistent potentiation of 5-HT3 receptor-stimulated GABA release at synapses on rat hippocampal CA1 neurons. Neuropharmacology, 2021, 184, 108415.	4.1	2
161	Talking Back: Endocannabinoid Retrograde Signaling Adjusts Synaptic Efficacy. , 2005, , 237-253.		1
162	Cannabinoids and the Neural Actions of Alcohol. , 2014, , 267-289.		1

#	Article	IF	Citations
163	Presynaptic Plasticity Found in Translation. Neuron, 2016, 92, 269-272.	8.1	1
164	Neurobiological Basis of Drug Reward and Reinforcement. , 2010, , 255-281.		1
165	Reinforcing actions through the thalamostriatal circuit. Neuropsychopharmacology, 2021, 46, 245-246.	5.4	0
166	Endocannabinoid-Dependent Synaptic Plasticity in the Striatum. , 2017, , 109-153.		0
167	Alcohol effects on globus pallidus connectivity: Role of impulsivity and binge drinking. , 2020, 15, e0224906.		0
168	Alcohol effects on globus pallidus connectivity: Role of impulsivity and binge drinking. , 2020, 15, e0224906.		0
169	Alcohol effects on globus pallidus connectivity: Role of impulsivity and binge drinking. , 2020, 15, e0224906.		0
170	Alcohol effects on globus pallidus connectivity: Role of impulsivity and binge drinking. , 2020, 15, e0224906.		0
171	Alcohol effects on globus pallidus connectivity: Role of impulsivity and binge drinking. , 2020, 15, e0224906.		0
172	Alcohol effects on globus pallidus connectivity: Role of impulsivity and binge drinking. , 2020, 15, e0224906.		0