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	A fluorescent sensor for spatiotemporally resolved imaging of endocannabinoid dynamics in vivo. Nature Biotechnology, 2022, 40, 787-798.	17.5	84
2	2-Arachidonoylglycerol mobilization following brief synaptic stimulation in the dorsal lateral striatum requires glutamatergic and cholinergic neurotransmission. Neuropharmacology, 2022, 205, 108916.	4.1	11
3	Local modulation by presynaptic receptors controls neuronal communication and behaviour. Nature Reviews Neuroscience, 2022, 23, 191-203.	10.2	26
4	Synaptic changes induced by cannabinoid drugs and cannabis use disorder. Neurobiology of Disease, 2022, 167, 105670.	4.4	16
5	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
6	Deficiency in endocannabinoid synthase DAGLB contributes to early onset Parkinsonism and murine nigral dopaminergic neuron dysfunction. Nature Communications, 2022, 13, .	12.8	22
7	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
8	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
9	A Circuit-Based Information Approach to Substance Abuse Research. Trends in Neurosciences, 2021, 44, 122-135.	8.6	21
10	Reinforcing actions through the thalamostriatal circuit. Neuropsychopharmacology, 2021, 46, 245-246.	5.4	0
11	Brain ethanol metabolism by astrocytic ALDH2 drives the behavioural effects of ethanol intoxication. Nature Metabolism, 2021, 3, 337-351.	11.9	61
12	Cannabis use, abuse, and withdrawal: Cannabinergic mechanisms, clinical, and preclinical findings. Journal of Neurochemistry, 2021, 157, 1674-1696.	3.9	27
13	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
14	Spinal astrocyte aldehyde dehydrogenase-2 mediates ethanol metabolism and analgesia in mice. British Journal of Anaesthesia, 2021, 127, 296-309.	3.4	9
15	Corticostriatal Circuit Models of Cognitive Impairments Induced by Fetal Exposure to Alcohol. Biological Psychiatry, 2021, 90, 516-528.	1.3	7
16	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
17	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
18	Influence of nonsynaptic Î±1 glycine receptors on ethanol consumption and place preference. Addiction Biology, 2020, 25, e12726.	2.6	19

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19	Dose-dependent alcohol effects on electroencephalogram: Sedation/anesthesia is qualitatively distinct from sleep. Neuropharmacology, 2020, 164, 107913.	4.1	7
20	Cannabinoids, Endocannabinoids and Sleep. Frontiers in Molecular Neuroscience, 2020, 13, 125.	2.9	84
21	Allosteric modulation of metabotropic glutamate receptors in alcohol use disorder: Insights from preclinical investigations. Advances in Pharmacology, 2020, 88, 193-232.	2.0	11
22	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
23	Dopamine D2 receptor signaling on iMSNs is required for initiation and vigor of learned actions. Neuropsychopharmacology, 2020, 45, 2087-2097.	5.4	21
24	Alcohol effects on globus pallidus connectivity: Role of impulsivity and binge drinking. PLoS ONE, 2020, 15, e0224906.	2.5	15
25	Prenatal alcohol exposure in the second trimester-equivalent increases the seizure susceptibility in developing rats. Alcohol, 2020, 85, 153-164.	1.7	2
26	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
27	Gestational alcohol exposure disrupts cognitive function and striatal circuits in adult offspring. Nature Communications, 2020, 11, 2555.	12.8	18
28	Alcohol effects on globus pallidus connectivity: Role of impulsivity and binge drinking. , 2020, 15, e0224906.		0
29	Alcohol effects on globus pallidus connectivity: Role of impulsivity and binge drinking. , 2020, 15, e0224906.		0
30	Alcohol effects on globus pallidus connectivity: Role of impulsivity and binge drinking. , 2020, 15, e0224906.		0
31	Alcohol effects on globus pallidus connectivity: Role of impulsivity and binge drinking. , 2020, 15, e0224906.		0
32	Alcohol effects on globus pallidus connectivity: Role of impulsivity and binge drinking. , 2020, 15, e0224906.		0
33	Alcohol effects on globus pallidus connectivity: Role of impulsivity and binge drinking. , 2020, 15, e0224906.		0
34	Unbalanced calcium channel activity underlies selective vulnerability of nigrostriatal dopaminergic terminals in Parkinsonian mice. Scientific Reports, 2019, 9, 4857.	3.3	13
35	Contributions of nucleus accumbens dopamine to cognitive flexibility. European Journal of Neuroscience, 2019, 50, 2023-2035.	2.6	32
36	Active Zone Proteins RIM1Î±Î² Are Required for Normal Corticostriatal Transmission and Action Control. Journal of Neuroscience, 2019, 39, 1457-1470.	3.6	9

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37	Molecular mechanisms underlying striatal synaptic plasticity: relevance to chronic alcohol consumption and seeking. European Journal of Neuroscience, 2019, 49, 768-783.	2.6	19
38	Functional Relevance of Endocannabinoid-Dependent Synaptic Plasticity in the Central Nervous System. ACS Chemical Neuroscience, 2018, 9, 2146-2161.	3.5	79
39	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
40	Role of Striatal Direct Pathway 2-Arachidonoylglycerol Signaling in Sociability and Repetitive Behavior. Biological Psychiatry, 2018, 84, 304-315.	1.3	36
41	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
42	Dual Dopaminergic Regulation of Corticostriatal Plasticity by Cholinergic Interneurons and Indirect Pathway Medium Spiny Neurons. Cell Reports, 2018, 24, 2883-2893.	6.4	49
43	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
44	Presence of Inhibitory Glycinergic Transmission in Medium Spiny Neurons in the Nucleus Accumbens. Frontiers in Molecular Neuroscience, 2018, 11, 228.	2.9	25
45	Synaptic plasticity mechanisms common to learning and alcohol use disorder. Learning and Memory, 2018, 25, 425-434.	1.3	34
46	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
47	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
48	Metabotropic glutamate receptor 2 inhibits thalamically-driven glutamate and dopamine release in the dorsal striatum. Neuropharmacology, 2017, 117, 114-123.	4.1	41
49	Endocannabinoid modulation of dopamine neurotransmission. Neuropharmacology, 2017, 124, 52-61.	4.1	133
50	Alcohol and basal ganglia circuitry: Animal models. Neuropharmacology, 2017, 122, 46-55.	4.1	42
51	Parallel, but Dissociable, Processing in Discrete Corticostriatal Inputs Encodes Skill Learning. Neuron, 2017, 96, 476-489.e5.	8.1	149
52	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
53	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
54	Presynaptic Ethanol Actions: Potential Roles in Ethanol Seeking. Handbook of Experimental Pharmacology, 2017, 248, 29-54.	1.8	16

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55	Endocannabinoid Actions on Cortical Terminals Orchestrate Local Modulation of Dopamine Release in the Nucleus Accumbens. Neuron, 2017, 96, 1112-1126.e5.	8.1	90
56	Ethanol-Sensitive Pacemaker Neurons in the Mouse External Globus Pallidus. Neuropsychopharmacology, 2017, 42, 1070-1081.	5.4	26
57	Alcohol and the Brain: Neuronal Molecular Targets, Synapses, and Circuits. Neuron, 2017, 96, 1223-1238.	8.1	285
58	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
59	An indirect route to repetitive actions. Journal of Clinical Investigation, 2017, 127, 1618-1621.	8.2	4
60	Endocannabinoid-Dependent Synaptic Plasticity in the Striatum. , 2017, , 109-153.		0
61	Presynaptic G Protein-Coupled Receptors: Gatekeepers of Addiction?. Frontiers in Cellular Neuroscience, 2016, 10, 264.	3.7	47
62	Endocannabinoid Signaling Regulates Sleep Stability. PLoS ONE, 2016, 11, e0152473.	2.5	65
63	Endocannabinoid Modulation of Orbitostriatal Circuits Gates Habit Formation. Neuron, 2016, 90, 1312-1324.	8.1	208
64	Dopamine dynamics and cocaine sensitivity differ between striosome and matrix compartments of the striatum. Neuropharmacology, 2016, 108, 275-283.	4.1	50
65	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
66	Alcohol Withdrawal Increases Protein Kinase A Activity in the Rat Inferior Colliculus. Alcoholism: Clinical and Experimental Research, 2016, 40, 2359-2367.	2.4	7
67	Presynaptic Plasticity Found in Translation. Neuron, 2016, 92, 269-272.	8.1	1
68	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
69	Ethanol Disinhibits Dorsolateral Striatal Medium Spiny Neurons Through Activation of A Presynaptic Delta Opioid Receptor. Neuropsychopharmacology, 2016, 41, 1831-1840.	5.4	44
70	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
71	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
72	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

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73	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
74	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
75	Interactions between ethanol and the endocannabinoid system atÂGABAergic synapses on basolateral amygdala principal neurons. Alcohol, 2015, 49, 781-794.	1.7	21
76	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
77	Weeding out bad waves: towards selective cannabinoid circuit control in epilepsy. Nature Reviews Neuroscience, 2015, 16, 264-277.	10.2	124
78	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
79	Chronic alcohol alters rewarded behaviors and striatal plasticity. Addiction Biology, 2015, 20, 345-348.	2.6	38
80	Metabotropic Glutamate Receptor 2 Positive Allosteric Modulators: Closing the Gate on Drug Abuse?. Biological Psychiatry, 2015, 78, 436-438.	1.3	3
81	Mechanisms of Neuroplasticity and Ethanol's Effects on Plasticity in the Striatum and Bed Nucleus of the Stria Terminalis. , 2015, 37, 109-24.		24
82	Cannabinoids and the Neural Actions of Alcohol. , 2014, , 267-289.		1
83	Repeated Binge-Like Ethanol Drinking Alters Ethanol Drinking Patterns and Depresses Striatal GABAergic Transmission. Neuropsychopharmacology, 2014, 39, 579-594.	5.4	121
84	Chronic methylphenidate exposure during adolescence reduces striatal synaptic responses to ethanol. European Journal of Neuroscience, 2014, 39, 548-556.	2.6	12
85	LRRK2 regulates synaptogenesis and dopamine receptor activation through modulation of PKA activity. Nature Neuroscience, 2014, 17, 367-376.	14.8	158
86	Opioids induce dissociable forms of long-term depression of excitatory inputs to the dorsal striatum. Nature Neuroscience, 2014, 17, 540-548.	14.8	109
87	Deep brain optical measurements of cell typeâ€“specific neural activity in behaving mice. Nature Protocols, 2014, 9, 1213-1228.	12.0	115
88	Presynaptic long-term depression mediated by Gi/o-coupled receptors. Trends in Neurosciences, 2014, 37, 663-673.	8.6	92
89	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
90	Optogenetic Measurement of Presynaptic Calcium Transients Using Conditional Genetically Encoded Calcium Indicator Expression in Dopaminergic Neurons. PLoS ONE, 2014, 9, e111749.	2.5	25

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91	Voltage drives diverse endocannabinoid signals to mediate striatal microcircuit-specific plasticity. Nature Neuroscience, 2013, 16, 1275-1283.	14.8	60
92	Concurrent activation of striatal direct and indirect pathways during action initiation. Nature, 2013, 494, 238-242.	27.8	1,008
93	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
94	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
95	Endocannabinoids in striatal plasticity. Parkinsonism and Related Disorders, 2012, 18, S132-S134.	2.2	32
96	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
97	Endocannabinoidâ€“Dopamine Interactions in Striatal Synaptic Plasticity. Frontiers in Pharmacology, 2012, 3, 66.	3.5	65
98	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
99	Young investigators stress alcohol-induced neuroadaptations in extended amygdala. Alcohol, 2012, 46, 299-300.	1.7	2
100	Subsets of spiny striosomal striatal neurons revealed in the Gad1-GFP BAC transgenic mouse. Basal Ganglia, 2011, 1, 201-211.	0.3	5
101	Cocaine supersensitivity and enhanced motivation for reward in mice lacking dopamine D2 autoreceptors. Nature Neuroscience, 2011, 14, 1033-1038.	14.8	306
102	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
103	Vibrodissociation of Neurons from Rodent Brain Slices to Study Synaptic Transmission and Image Presynaptic Terminals. Journal of Visualized Experiments, 2011, , .	0.3	8
104	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
105	Serotonin Induces Long-Term Depression at Corticostriatal Synapses. Journal of Neuroscience, 2011, 31, 7402-7411.	3.6	98
106	Synaptic and Morphological Neuroadaptations in the Putamen Associated with Long-Term, Relapsing Alcohol Drinking in Primates. Neuropsychopharmacology, 2011, 36, 2513-2528.	5.4	115
107	Endocannabinoids rein in pain outside the brain. Nature Neuroscience, 2010, 13, 1155-1156.	14.8	4
108	Endocannabinoid Signaling in the Striatum. Handbook of Behavioral Neuroscience, 2010, , 167-186.	0.7	6

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109	Synaptic Effects Induced by Alcohol. Current Topics in Behavioral Neurosciences, 2010, , 31-86.	1.7	107
110	Neurotransmitter roles in synaptic modulation, plasticity and learning in the dorsal striatum. Neuropharmacology, 2010, 58, 951-961.	4.1	415
111	Synaptic Effects Induced by Alcohol. Current Topics in Behavioral Neurosciences, 2010, 13, 31-86.	1.7	115
112	Neurobiological Basis of Drug Reward and Reinforcement. , 2010, , 255-281.		1
113	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
114	Acute Alcohol Action and Desensitization of Ligand-Gated Ion Channels. Pharmacological Reviews, 2009, 61, 98-114.	16.0	87
115	Dynamic reorganization of striatal circuits during the acquisition and consolidation of a skill. Nature Neuroscience, 2009, 12, 333-341.	14.8	681
116	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
117	Ethanol increases desensitization of recombinant GluR-D AMPA receptor and TARP combinations. Alcohol, 2009, 43, 277-284.	1.7	15
118	Hydrophobic Photolabeling Studies Identify the Lipidâ"Protein Interface of the 5-HT_{3A} Receptor. Biochemistry, 2009, 48, 9278-9286.	2.5	11
119	Electrophysiological properties and gap junction coupling of striatal astrocytes. Neurochemistry International, 2008, 52, 1365-1372.	3.8	46
120	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
121	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
122	Presynaptic Modulation by Endocannabinoids. Handbook of Experimental Pharmacology, 2008, , 435-477.	1.8	203
123	Communication networks in the brain: neurons, receptors, neurotransmitters, and alcohol. Alcohol Research, 2008, 31, 196-214.	1.0	25
124	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
125	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
126	Anandamide Regulates Postnatal Development of Long-Term Synaptic Plasticity in the Rat Dorsolateral Striatum. Journal of Neuroscience, 2007, 27, 2403-2409.	3.6	78

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127	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
128	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
129	Tonic for what ails us? high-affinity GABAA receptors and alcohol. Alcohol, 2007, 41, 139-143.	1.7	66
130	Ethanol reverses the direction of long-term synaptic plasticity in the dorsomedial striatum. European Journal of Neuroscience, 2007, 25, 3226-3232.	2.6	95
131	Endocannabinoid Liberation from Neurons in Transsynaptic Signaling. Journal of Molecular Neuroscience, 2007, 33, 87-93.	2.3	23
132	Ethanol effects on electrophysiological properties of astrocytes in striatal brain slices. Neuropharmacology, 2006, 51, 1099-1108.	4.1	28
133	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
134	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
135	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
136	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
137	The Role of Protein Synthesis in Striatal Long-Term Depression. Journal of Neuroscience, 2006, 26, 11811-11820.	3.6	96
138	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
139	Laboratory models of alcoholism: treatment target identification and insight into mechanisms. Nature Neuroscience, 2005, 8, 1471-1480.	14.8	92
140	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
141	Role of aspartate 298 in mouse 5-HT3Areceptor gating and modulation by extracellular Ca2+. Journal of Physiology, 2005, 568, 381-396.	2.9	21
142	Talking Back: Endocannabinoid Retrograde Signaling Adjusts Synaptic Efficacy. , 2005, , 237-253.		1
143	Retrograde Endocannabinoid Signaling in a Postsynaptic Neuron/Synaptic Bouton Preparation from Basolateral Amygdala. Journal of Neuroscience, 2005, 25, 6199-6207.	3.6	116
144	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

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145	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
146	Emerging roles for endocannabinoids in long-term synaptic plasticity. British Journal of Pharmacology, 2003, 140, 781-789.	5.4	121
147	It could be habit forming: drugs of abuse and striatal synaptic plasticity. Trends in Neurosciences, 2003, 26, 184-192.	8.6	443
148	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
149	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
150	Nicotinic Acetylcholine Receptors Interact with Dopamine in Induction of Striatal Long-Term Depression. Journal of Neuroscience, 2002, 22, 2541-2549.	3.6	115
151	Postsynaptic endocannabinoid release is critical to long-term depression in the striatum. Nature Neuroscience, 2002, 5, 446-451.	14.8	670
152	CB1 Cannabinoid Receptor Inhibits Synaptic Release of Glutamate in Rat Dorsolateral Striatum. Journal of Neurophysiology, 2001, 85, 468-471.	1.8	412
153	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
154	Role of Polyamines and NMDA Receptors in Ethanol Dependence and Withdrawal. Alcoholism: Clinical and Experimental Research, 2001, 25, 132S.	2.4	39
155	Role of Polyamines and NMDA Receptors in Ethanol Dependence and Withdrawal. Alcoholism: Clinical and Experimental Research, 2001, 25, 132S-136S.	2.4	31
156	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
157	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
158	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
159	Ethanol and trichloroethanol alter gating of 5-HT3 receptor-channels in NCB-20 neuroblastoma cells. Neuropharmacology, 2000, 39, 561-570.	4.1	54
160	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
161	Ethanol sensitivity and subunit composition of NMDA receptors in cultured striatal neurons. Neuropharmacology, 1998, 37, 45-56.	4.1	41
162	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

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163	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
164	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
165	Alcohols and neurotransmitter gated ion channels: past, present and future. Naunyn-Schmiedeberg's Archives of Pharmacology, 1997, 356, 267-282.	3.0	154
166	Activation of adenosine A 1 receptors initiates short-term synaptic depression in rat striatum. Neuroscience Letters, 1995, 199, 9-12.	2.1	43
167	Protein kinase C modulates glutamate receptor inhibition of Ca2+ channels and synaptic transmission. Nature, 1993, 361, 165-168.	27.8	207
168	High ethanol sensitivity of recombinant AMPA-type glutamate receptors expressed in mammalian cells. Neuroscience Letters, 1993, 159, 83-87.	2.1	77
169	Excitotoxicity and Alcohol-Related Brain Damage. Alcoholism: Clinical and Experimental Research, 1993, 17, 19-27.	2.4	189
170	Ethanol potentiation of 5-HT3 receptor-mediated ion current in NCB-20 neuroblastoma cells. Neuroscience Letters, 1991, 122, 57-60.	2.1	102
171	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
172	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