Rafael Maldonado

List of Publications by Year
in descending order

341 papers	24,310 citations	6613 79 h-index	10445 139 g-index
362 all docs	362 docs citations	362 times ranked	17183 citing authors

#	Article	IF	Citations
1	Loss of morphine-induced analgesia, reward effect and withdrawal symptoms in mice lacking the Âµ-opioid-receptor gene. Nature, 1996, 383, 819-823.	27.8	1,652
2	Mice deficient for Î´- and Î¼-opioid receptors exhibit opposing alterations of emotional responses. Nature Genetics, 2000, 25, 195-200.	21.4	644
3	Involvement of the endocannabinoid system in drug addiction. Trends in Neurosciences, 2006, 29, 225-232.	8.6	530
4	Involvement of the Extracellular Signal-Regulated Kinase Cascade for Cocaine-Rewarding Properties. Journal of Neuroscience, 2000, 20, 8701-8709.	3.6	500
5	Involvement of CB1 cannabinoid receptors in emotional behaviour. Psychopharmacology, 2002, 159, 379-387.	3.1	444
6	Knockout of ERK1 MAP Kinase Enhances Synaptic Plasticity in the Striatum and Facilitates Striatal-Mediated Learning and Memory. Neuron, 2002, 34, 807-820.	8.1	420
7	Absence of opiate rewarding effects in mice lacking dopamine D2 receptors. Nature, 1997, 388, 586-589.	27.8	410
8	Human N-methyl D-aspartate receptor antibodies alter memory and behaviour in mice. Brain, 2015, 138, 94-109.	7.6	391
9	Disruption of the kappa -opioid receptor gene in mice enhances sensitivity to chemical visceral pain, impairs pharmacological actions of the selective kappa -agonist U-50,488H and attenuates morphine withdrawal. EMBO Journal, 1998, 17, 886-897.	7.8	356
10	The endocannabinoid system in guarding against fear, anxiety and stress. Nature Reviews Neuroscience, 2015, 16, 705-718.	10.2	350
11	Functional Interaction between Opioid and Cannabinoid Receptors in Drug Self-Administration. Journal of Neuroscience, 2001, 21, 5344-5350.	3.6	347
12	Neural substrates of opiate withdrawal. Trends in Neurosciences, 1992, 15, 186-191.	8.6	343
13	Cannabinoid modulation of hippocampal long-term memory is mediated by mTOR signaling. Nature Neuroscience, 2009, 12, 1152-1158.	14.8	343
14	Reduction of Morphine Abstinence in Mice with a Mutation in the Gene Encoding CREB. Science, 1996, 273, 657-659.	12.6	280
15	Behavioural and biochemical evidence for interactions between Î”9-tetrahydrocannabinol and nicotine. British Journal of Pharmacology, 2002, 135, 564-578.	5.4	270
16	Differential Role of Anandamide and 2-Arachidonoylglycerol in Memory and Anxiety-like Responses. Biological Psychiatry, 2011, 70, 479-486.	1.3	248
17	Pregnenolone Can Protect the Brain from Cannabis Intoxication. Science, 2014, 343, 94-98.	12.6	247
18	Motivational Effects of Cannabinoids Are Mediated by Î¼-Opioid and Îº-Opioid Receptors. Journal of Neuroscience, 2002, 22, 1146-1154.	3.6	246

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19	Lack of CB1 cannabinoid receptors modifies nicotine behavioural responses, but not nicotine abstinence. Neuropharmacology, 2002, 43, 857-867.	4.1	230
20	Cocaine, but not morphine, induces conditioned place preference and sensitization to locomotor responses in CB1 knockout mice. European Journal of Neuroscience, 2000, 12, 4038-4046.	2.6	216
21	Attenuation of Nicotine-Induced Antinociception, Rewarding Effects, and Dependence in Î¼-Opioid Receptor Knock-Out Mice. Journal of Neuroscience, 2002, 22, 10935-10940.	3.6	213
22	Involvement of the opioid system in the anxiolytic-like effects induced by Î”9-tetrahydrocannabinol. Psychopharmacology, 2002, 163, 111-117.	3.1	205
23	Targeting the endocannabinoid system in the treatment of fragile X syndrome. Nature Medicine, 2013, 19, 603-607.	30.7	203
24	A behavioural model to reveal place preference to Î”9-tetrahydrocannabinol in mice. Psychopharmacology, 2000, 147, 436-438.	3.1	201
25	The endogenous opioid system: A common substrate in drug addiction. Drug and Alcohol Dependence, 2010, 108, 183-194.	3.2	198
26	Lack of CB1 Cannabinoid Receptor Impairs Cocaine Self-Administration. Neuropsychopharmacology, 2005, 30, 1670-1680.	5.4	197
27	Regulation of PI3K/Akt/GSK-3 pathway by cannabinoids in the brain. Journal of Neurochemistry, 2007, 102, 1105-1114.	3.9	193
28	Cannabinoid Addiction: Behavioral Models and Neural Correlates. Journal of Neuroscience, 2002, 22, 3326-3331.	3.6	192
29	Participation of Noradrenergic Pathways in the Expression of Opiate Withdrawal: Biochemical and Pharmacological Evidence. Neuroscience and Biobehavioral Reviews, 1997, 21, 91-104.	6.1	187
30	BDNF impairment in the hippocampus is related to enhanced despair behavior in CB₁ knockout mice. Journal of Neurochemistry, 2008, 105, 565-572.	3.9	175
31	Crucial Role of CB₂Cannabinoid Receptor in the Regulation of Central Immune Responses during Neuropathic Pain. Journal of Neuroscience, 2008, 28, 12125-12135.	3.6	172
32	Impairment of Mossy Fiber Long-Term Potentiation and Associative Learning in Pituitary Adenylate Cyclase Activating Polypeptide Type I Receptor-Deficient Mice. Journal of Neuroscience, 2001, 21, 5520-5527.	3.6	167
33	CB2 Cannabinoid Receptor Agonist Ameliorates Alzheimer-Like Phenotype in AÎ²PP/PS1 Mice. Journal of Alzheimer's Disease, 2013, 35, 847-858.	2.6	167
34	Behavioural and biochemical evidence for signs of abstinence in mice chronically treated with Î”-9-tetrahydrocannabinol. British Journal of Pharmacology, 1998, 125, 1567-1577.	5.4	166
35	Pharmacological properties of S1RA, a new sigmaâ€1 receptor antagonist that inhibits neuropathic pain and activityâ€induced spinal sensitization. British Journal of Pharmacology, 2012, 166, 2289-2306.	5.4	159
36	Cognitive Impairment Induced by Delta9-tetrahydrocannabinol Occurs through Heteromers between Cannabinoid CB1 and Serotonin 5-HT2A Receptors. PLoS Biology, 2015, 13, e1002194.	5.6	157

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37	Sigma-1 receptors regulate activity-induced spinal sensitization and neuropathic pain after peripheral nerve injury. Pain, 2009, 145, 294-303.	4.2	154
38	Hypocretins Regulate the Anxiogenic-Like Effects of Nicotine and Induce Reinstatement of Nicotine-Seeking Behavior. Journal of Neuroscience, 2010, 30, 2300-2310.	3.6	153
39	D1 dopamine receptors in the nucleus accumbens modulate cocaine self-administration in the rat. Pharmacology Biochemistry and Behavior, 1993, 45, 239-242.	2.9	145
40	Destruction of the locus coeruleus decreases physical signs of opiate withdrawal. Brain Research, 1993, 605, 128-138.	2.2	145
41	Î”9-tetrahydrocannabinol-induced MAPK/ERK and Elk-1 activationin vivodepends on dopaminergic transmission. European Journal of Neuroscience, 2001, 14, 342-352.	2.6	144
42	Genetic ablation of delta opioid receptors in nociceptive sensory neurons increases chronic pain and abolishes opioid analgesia. Pain, 2011, 152, 1238-1248.	4.2	139
43	Age-related changes of anandamide metabolism in CB1cannabinoid receptor knockout mice: correlation with behaviour. European Journal of Neuroscience, 2002, 15, 1178-1186.	2.6	137
44	Mixed-inhibitor-prodrug as a new approach toward systemically active inhibitors of enkephalin-degrading enzymes. Journal of Medicinal Chemistry, 1992, 35, 2473-2481.	6.4	134
45	Ephrinâ€B2 prevents Nâ€methylâ€Dâ€aspartate receptor antibody effects on memory and neuroplasticity. Annals of Neurology, 2016, 80, 388-400.	5.3	134
46	Altered emotional behavior in PACAP-type-I-receptor-deficient mice. Molecular Brain Research, 2001, 92, 78-84.	2.3	133
47	Nicotine-Induced Antinociception, Rewarding Effects, and Physical Dependence Are Decreased in Mice Lacking the Preproenkephalin Gene. Journal of Neuroscience, 2005, 25, 1103-1112.	3.6	133
48	Absence of Î”-9-Tetrahydrocannabinol Dysphoric Effects in Dynorphin-Deficient Mice. Journal of Neuroscience, 2001, 21, 9499-9505.	3.6	130
49	Study of cannabinoid dependence in animals. , 2002, 95, 153-164.		129
50	Opioid-induced Hyperalgesia in a Murine Model of Postoperative Pain. Anesthesiology, 2006, 104, 546-555.	2.5	128
51	Interferon-Î³ Is a Critical Modulator of CB₂Cannabinoid Receptor Signaling during Neuropathic Pain. Journal of Neuroscience, 2008, 28, 12136-12145.	3.6	122
52	Neurobiological mechanisms involved in nicotine dependence and reward: Participation of the endogenous opioid system. Neuroscience and Biobehavioral Reviews, 2010, 35, 220-231.	6.1	118
53	Precipitation of morphine withdrawal syndrome in rats by administration of mu-, delta- and kappa-selective opioid antagonists. Neuropharmacology, 1992, 31, 1231-1241.	4.1	113
54	The Hypocretin/Orexin System Mediates the Extinction of Fear Memories. Neuropsychopharmacology, 2014, 39, 2732-2741.	5.4	112

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55	Synaptic plasticity alterations associated with memory impairment induced by deletion of CB2 cannabinoid receptors. Neuropharmacology, 2013, 73, 388-396.	4.1	111
56	Implication of endogenous opioid system in the learned helplessness model of depression. Pharmacology Biochemistry and Behavior, 1995, 52, 145-152.	2.9	110
57	Cannabis-Based Medicine Reduces Multiple Pathological Processes in AÎ²PP/PS1 Mice. Journal of Alzheimer's Disease, 2014, 43, 977-991.	2.6	110
58	Role of CB2 Cannabinoid Receptors in the Rewarding, Reinforcing, and Physical Effects of Nicotine. Neuropsychopharmacology, 2013, 38, 2515-2524.	5.4	109
59	Reelin delays amyloid-beta fibril formation and rescues cognitive deficits in a model of Alzheimerâ€™s disease. Nature Communications, 2014, 5, 3443.	12.8	108
60	Modulation of Anxiety-Like Behavior and Morphine Dependence in CREB-Deficient Mice. Neuropsychopharmacology, 2004, 29, 1122-1133.	5.4	107
61	Deficiency of CB2 cannabinoid receptor in mice improves insulin sensitivity but increases food intake and obesity with age. Diabetologia, 2010, 53, 2629-2640.	6.3	107
62	Delta9-tetrahydrocannabinol decreases somatic and motivational manifestations of nicotine withdrawal in mice. European Journal of Neuroscience, 2004, 20, 2737-2748.	2.6	106
63	Cannabinoid Withdrawal Syndrome Is Reduced in Pre-Proenkephalin Knock-Out Mice. Journal of Neuroscience, 2000, 20, 9284-9289.	3.6	105
64	Neuropathic pain is enhanced in Î´-opioid receptor knockout mice. European Journal of Neuroscience, 2006, 23, 830-834.	2.6	105
65	Decreased Cocaine Motor Sensitization and Self-Administration in Mice Overexpressing Cannabinoid CB2 Receptors. Neuropsychopharmacology, 2012, 37, 1749-1763.	5.4	104
66	<scp>NMDAR</scp> encephalitis: passive transfer from man to mouse by a recombinant antibody. Annals of Clinical and Translational Neurology, 2017, 4, 768-783.	3.7	101
67	Microglial activation underlies cerebellar deficits produced by repeated cannabis exposure. Journal of Clinical Investigation, 2013, 123, 2816-2831.	8.2	101
68	Genetic analysis of drug addiction: the role of cAMP response element binding protein. Journal of Molecular Medicine, 1998, 76, 104-110.	3.9	96
69	Advances in the field of cannabinoidâ€“opioid crossâ€talk. Addiction Biology, 2008, 13, 213-224.	2.6	96
70	Ras-Guanine Nucleotide-Releasing Factor 1 (Ras-GRF1) Controls Activation of Extracellular Signal-Regulated Kinase (ERK) Signaling in the Striatum and Long-Term Behavioral Responses to Cocaine. Biological Psychiatry, 2009, 66, 758-768.	1.3	96
71	CB1 Agonist ACEA Protects Neurons and Reduces the Cognitive Impairment of AÎ²PP/PS1 Mice. Journal of Alzheimer's Disease, 2012, 30, 439-459.	2.6	96
72	Neurochemical basis of cannabis addiction. Neuroscience, 2011, 181, 1-17.	2.3	93

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73	Involvement of Î´-opioid receptors in the effects induced by endogenous enkephalins on learned helplessness model. European Journal of Pharmacology, 1998, 354, 1-7.	3.5	91
74	Obesity Impairs Short-Term and Working Memory through Gut Microbial Metabolism of Aromatic Amino Acids. Cell Metabolism, 2020, 32, 548-560.e7.	16.2	88
75	Role of the endocannabinoid system in drug addiction. Biochemical Pharmacology, 2018, 157, 108-121.	4.4	87
76	Lack of CB₁ receptor activity impairs serotonergic negative feedback. Journal of Neurochemistry, 2009, 109, 935-944.	3.9	85
77	Overexpression of Reelin Prevents the Manifestation of Behavioral Phenotypes Related to Schizophrenia and Bipolar Disorder. Neuropsychopharmacology, 2011, 36, 2395-2405.	5.4	85
78	Acute antinociceptive responses in single and combinatorial opioid receptor knockout mice: distinct mu, delta and kappa tones. European Journal of Neuroscience, 2003, 17, 701-708.	2.6	84
79	Chronic morphine administration causes region-specific increase of brain type VIII adenylyl cyclase mRNA. European Journal of Pharmacology, 1994, 268, 215-221.	2.6	83
80	Orexins and fear: implications for the treatment of anxiety disorders. Trends in Neurosciences, 2015, 38, 550-559.	8.6	83
81	Role of the cannabinoid system in the effects induced by nicotine on anxiety-like behaviour in mice. Psychopharmacology, 2006, 184, 504-513.	3.1	82
82	Cellular and intracellular mechanisms involved in the cognitive impairment of cannabinoids. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 3254-3263.	4.0	82
83	Selective Sigma-1 (σ1) Receptor Antagonists: Emerging Target for the Treatment of Neuropathic Pain. Central Nervous System Agents in Medicinal Chemistry, 2009, 9, 172-183.	1.1	82
84	Participation of opioid and monoaminergic mechanisms on the antinociceptive effect induced by tricyclic antidepressants in two behavioural pain tests in mice. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 1994, 18, 1073-1092.	4.8	79
85	The Lack of A2A Adenosine Receptors Diminishes the Reinforcing Efficacy of Cocaine. Neuropsychopharmacology, 2006, 31, 978-987.	5.4	79
86	3,4-Methylenedioxymethamphetamine Self-Administration is Abolished in Serotonin Transporter Knockout Mice. Biological Psychiatry, 2007, 62, 669-679.	1.3	79
87	Pharmacological activation of 5-HT7 receptors reduces nerve injury-induced mechanical and thermal hypersensitivity. Pain, 2010, 149, 483-494.	4.2	79
88	Hypocretin/Orexin Signaling in the Hypothalamic Paraventricular Nucleus is Essential for the Expression of Nicotine Withdrawal. Biological Psychiatry, 2012, 71, 214-223.	1.3	77
89	Microbiota alterations in proline metabolism impact depression. Cell Metabolism, 2022, 34, 681-701.e10.	16.2	77
90	Sigma-1 receptor antagonism as opioid adjuvant strategy: Enhancement of opioid antinociception without increasing adverse effects. European Journal of Pharmacology, 2013, 711, 63-72.	3.5	76

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91	Altered emotional and locomotor responses in mice deficient in the transcription factor CREM. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 14094-14099.	7.1	75
92	Increased rewarding properties of morphine in dopamine-transporter knockout mice. European Journal of Neuroscience, 2000, 12, 1827-1837.	2.6	75
93	Dissociation of the Pharmacological Effects of THC by mTOR Blockade. Neuropsychopharmacology, 2013, 38, 1334-1343.	5.4	75
94	Adenosine A2A receptors are involved in physical dependence and place conditioning induced by THC. European Journal of Neuroscience, 2004, 20, 2203-2213.	2.6	74
95	FAAH deficiency promotes energy storage and enhances the motivation for food. International Journal of Obesity, 2010, 34, 557-568.	3.4	74
96	Cannabinoid withdrawal is dependent upon PKA activation in the cerebellum. European Journal of Neuroscience, 2000, 12, 1038-1046.	2.6	73
97	CB₁ knockout mice display impaired functionality of 5â€HT_{1A} and 5â€HT_{2A/C} receptors. Journal of Neurochemistry, 2007, 103, 2111-2120.	3.9	73
98	The endocannabinoid system and neuropathic pain. Pain, 2016, 157, S23-S32.	4.2	72
99	Interplay of Î²2* nicotinic receptors and dopamine pathways in the control of spontaneous locomotion. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15991-15996.	7.1	71
100	Role of the endocannabinoid system in the emotional manifestations of osteoarthritis pain. Pain, 2015, 156, 2001-2012.	4.2	71
101	A specific prelimbic-nucleus accumbens pathway controls resilience versus vulnerability to food addiction. Nature Communications, 2020, 11, 782.	12.8	70
102	Deletion of the Î´ Opioid Receptor Gene Impairs Place Conditioning But Preserves Morphine Reinforcement. Biological Psychiatry, 2011, 69, 700-703.	1.3	67
103	Role of CB1 and CB2 cannabinoid receptors in the development of joint pain induced by monosodium iodoacetate. Pain, 2013, 154, 160-174.	4.2	66
104	Cannabinoids therapeutic use: what is our current understanding following the introduction of THC, THC:CBD oromucosal spray and others?. Expert Review of Clinical Pharmacology, 2017, 10, 443-455.	3.1	66
105	Cannabinoid withdrawal syndrome is reduced in double mu and delta opioid receptor knockout mice. European Journal of Neuroscience, 2003, 17, 155-159.	2.6	64
106	Involvement of neuropeptide FF receptors in neuroadaptive responses to acute and chronic opiate treatments. British Journal of Pharmacology, 2012, 165, 424-435.	5.4	64
107	The endocannabinoid hydrolysis inhibitor SA-57: Intrinsic antinociceptive effects, augmented morphine-induced antinociception, and attenuated heroin seeking behavior in mice. Neuropharmacology, 2017, 114, 156-167.	4.1	64
108	The role of the cannabinoid system in nicotine addiction. Pharmacology Biochemistry and Behavior, 2005, 81, 381-386.	2.9	63

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109	Oleoylethanolamide exerts partial and dose-dependent neuroprotection of substantia nigra dopamine neurons. Neuropharmacology, 2009, 56, 653-664.	4.1	63
110	Peripheral and central CB1 cannabinoid receptors control stress-induced impairment of memory consolidation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9904-9909.	7.1	63
111	A Role for Hypocretin/Orexin Receptor-1 in Cue-Induced Reinstatement of Nicotine-Seeking Behavior. Neuropsychopharmacology, 2013, 38, 1724-1736.	5.4	62
112	Effects of repeated social defeat on adolescent mice on cocaineâ€induced CPP and selfâ€administration in adulthood: integrity of the bloodâ€“brain barrier. Addiction Biology, 2017, 22, 129-141.	2.6	62
113	Involvement of Îº/Dynorphin System in WIN 55,212-2 Self-Administration in Mice. Neuropsychopharmacology, 2006, 31, 1957-1966.	5.4	61
114	Neurotensin injected into the nucleus accumbens blocks the psychostimulant effects of cocaine but does not attenuate cocaine self-administration in the rat. Brain Research, 1993, 622, 105-112.	2.2	60
115	GPR3 Receptor, a Novel Actor in the Emotional-Like Responses. PLoS ONE, 2009, 4, e4704.	2.5	60
116	A2A adenosine receptor regulates glia proliferation and pain after peripheral nerve injury. Pain, 2008, 140, 95-103.	4.2	59
117	The absence of VGLUT3 predisposes to cocaine abuse by increasing dopamine and glutamate signaling in the nucleus accumbens. Molecular Psychiatry, 2015, 20, 1448-1459.	7.9	59
118	Differences in physical dependence induced by selective Î¼ or Î´ opioid agonists and by endogenous enkephalins protected by peptidase inhibitors. Brain Research, 1990, 520, 247-254.	2.2	58
119	Nicotine anxiogenic and rewarding effects are decreased in mice lacking Î²-endorphin. Neuropharmacology, 2009, 56, 1147-1153.	4.1	56
120	Cannabinoid Receptor 2 Participates in Amyloid-Î² Processing in a Mouse Model of Alzheimerâ€™s Disease but Plays a Minor Role in the Therapeutic Properties of a Cannabis-Based Medicine. Journal of Alzheimer's Disease, 2016, 51, 489-500.	2.6	56
121	The attenuation of morphine-conditioned place preference following chronic mild stress is reversed by a CCK B receptor antagonist. Psychopharmacology, 1997, 131, 79-85.	3.1	55
122	Involvement of the opioid system in the effects induced by nicotine on anxiety-like behaviour in mice. Psychopharmacology, 2005, 181, 260-269.	3.1	55
123	Mu-opioid receptors are involved in the tolerance to nicotine antinociception. Journal of Neurochemistry, 2006, 97, 416-423.	3.9	55
124	Cannabinoid-hypocretin cross-talk in the central nervous system: what we know so far. Frontiers in Neuroscience, 2013, 7, 256.	2.8	55
125	Association of the peptidase inhibitor RB 101 and a CCK-B antagonist strongly enhances antinociceptive responses. NeuroReport, 1993, 4, 947-950.	1.2	53
126	Participation of the opioid system in cannabinoid-induced antinociception and emotional-like responses. European Neuropsychopharmacology, 2003, 13, 401-410.	0.7	53

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127	Mu Opioid Receptors in Gamma-Aminobutyric Acidergic Forebrain Neurons Moderate Motivation for Heroin and Palatable Food. Biological Psychiatry, 2017, 81, 778-788.	1.3	53
128	Increase of morphine withdrawal in mice lacking A_{2a} receptors and no changes in CB₁/A_{2a} double knockout mice. European Journal of Neuroscience, 2003, 17, 315-324.	2.6	52
129	A reliable method to study cue-, priming-, and stress-induced reinstatement of cocaine self-administration in mice. Psychopharmacology, 2008, 199, 593-603.	3.1	52
130	Antinociceptive response induced by mixed inhibitors of enkephalin catabolism in peripheral inflammation. Pain, 1994, 58, 77-83.	4.2	51
131	Protein kinases in the locus coeruleus and periaqueductal gray matter are involved in the expression of opiate withdrawal. Naunyn-Schmiedeberg's Archives of Pharmacology, 1995, 352, 565-75.	3.0	51
132	Fatty acid amide hydrolase inhibition for the symptomatic relief of Parkinsonâ€™s disease. Brain, Behavior, and Immunity, 2016, 57, 94-105.	4.1	51
133	Attenuation of nicotine-induced rewarding effects in A2A knockout mice. Neuropharmacology, 2006, 51, 631-640.	4.1	50
134	Transgenic mice overexpressing the full-length neurotrophin receptor TrkC exhibit increased catecholaminergic neuron density in specific brain areas and increased anxiety-like behavior and panic reaction. Neurobiology of Disease, 2006, 24, 403-418.	4.4	50
135	Caudovirales bacteriophages are associated with improved executive function and memory in flies, mice, and humans. Cell Host and Microbe, 2022, 30, 340-356.e8.	11.0	50
136	The CCKB antagonist PD-134,308 facilitates rewarding effects of endogenous enkephalins but does not induce place preference in rats. Psychopharmacology, 1996, 123, 119-126.	3.1	49
137	A reliable model of intravenous MDMA self-administration in naÃ¯ve mice. Psychopharmacology, 2006, 184, 212-220.	3.1	49
138	5â€HT_{2C} receptor activation prevents stressâ€induced enhancement of brain 5â€HT turnover and extracellular levels in the mouse brain: modulation by chronic paroxetine treatment. Journal of Neurochemistry, 2010, 115, 438-449.	3.9	49
139	The prolactin-releasing peptide antagonizes the opioid system through its receptor GPR10. Nature Neuroscience, 2005, 8, 1735-1741.	14.8	48
140	Involvement of the opioid and cannabinoid systems in pain control: New insights from knockout studies. European Journal of Pharmacology, 2013, 716, 142-157.	3.5	48
141	The rewarding properties of MDMA are preserved in mice lacking u-opioid receptors. European Journal of Neuroscience, 2004, 20, 853-858.	2.6	47
142	The pro-nociceptive effects of remifentanil or surgical injury in mice are associated with a decrease in delta-opioid receptor mRNA levels: Prevention of the nociceptive response by on-site delivery of enkephalins. Pain, 2009, 141, 88-96.	4.2	47
143	The Hypocretin/Orexin System: Implications for Drug Reward and Relapse. Molecular Neurobiology, 2012, 45, 424-439.	4.0	47
144	Opposite role of CCKA and CCKB receptors in the modulation of endogenous enkephalin antidepressant-like effects. Psychopharmacology, 1995, 120, 400-408.	3.1	46

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145	Pain-suppressive effects on various nociceptive stimuli (thermal, chemical, electrical and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 0 383-391.	4.2	46
146	Study of the behavioural responses related to the potential addictive properties of MDMA in mice. Naunyn-Schmiedeberg's Archives of Pharmacology, 2004, 369, 338-349.	3.0	45
147	Prodynorphin gene disruption increases the sensitivity to nicotine self-administration in mice. International Journal of Neuropsychopharmacology, 2009, 12, 615.	2.1	45
148	Why muâ€opioid agonists have less analgesic efficacy in neuropathic pain?. European Journal of Pain, 2019, 23, 435-454.	2.8	45
149	Epigenetic and Proteomic Expression Changes Promoted by Eating Addictive-Like Behavior. Neuropsychopharmacology, 2015, 40, 2788-2800.	5.4	44
150	Comparison of the pharmacokinetics and clinical efficacy of new extended-release formulations of methylphenidate. Expert Opinion on Drug Metabolism and Toxicology, 2013, 9, 1001-1014.	3.3	43
151	Differential Control of Cocaine Self-Administration by GABAergic and Glutamatergic CB1 Cannabinoid Receptors. Neuropsychopharmacology, 2016, 41, 2192-2205.	5.4	43
152	Effect of mixed (RB 38A) and selective (RB 38B) inhibitors of enkephalin degrading enzymes on a model of depression in the rat. Biological Psychiatry, 1993, 34, 100-107.	1.3	42
153	Pain management by a new series of dual inhibitors of enkephalin degrading enzymes: long lasting antinociceptive properties and potentiation by CCK2 antagonist or methadone. Pain, 2003, 104, 139-148.	4.2	42
154	CB1Cannabinoid Receptor Modulates 3,4-Methylenedioxymethamphetamine Acute Responses and Reinforcement. Biological Psychiatry, 2008, 63, 1030-1038.	1.3	42
155	Effects of the endogenous PPARâ€Î± agonist, oleoylethanolamide on MDMAâ€induced cognitive deficits in mice. Synapse, 2010, 64, 379-389.	1.2	42
156	Operant model of frustrated expected reward in mice. Addiction Biology, 2012, 17, 770-782.	2.6	42
157	Intrathecal injection of P/Q type voltage-gated calcium channel antibodies from paraneoplastic cerebellar degeneration cause ataxia in mice. Journal of Neuroimmunology, 2013, 261, 53-59.	2.3	42
158	Cannabinoid receptor and WIN 55 212-2-stimulated [35S]-GTPgammaS binding in the brain of mu-, delta- and kappa-opioid receptor knockout mice. European Journal of Neuroscience, 2003, 18, 2197-2202.	2.6	41
159	Operant behavior to obtain palatable food modifies neuronal plasticity in the brain reward circuit. European Neuropsychopharmacology, 2013, 23, 146-159.	0.7	41
160	DREAM Controls the On/Off Switch of Specific Activity-Dependent Transcription Pathways. Molecular and Cellular Biology, 2014, 34, 877-887.	2.3	41
161	Involvement of the endocannabinoid system in osteoarthritis pain. European Journal of Neuroscience, 2014, 39, 485-500.	2.6	41
162	Increased Alcohol Seeking in Mice Lacking Gpr88 Involves Dysfunctional Mesocorticolimbic Networks. Biological Psychiatry, 2018, 84, 202-212.	1.3	41

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163	RP 67580, a selective antagonist of neurokinin-1 receptors, modifies some of the naloxone-precipitated morphine withdrawal signs in rats. Neuroscience Letters, 1993, 156, 135-140.	2.1	40
164	Effects of nandrolone on acute morphine responses, tolerance and dependence in mice. European Journal of Pharmacology, 2003, 465, 69-81.	3.5	40
165	Development and expression of neuropathic pain in CB1 knockout mice. Neuropharmacology, 2006, 50, 111-122.	4.1	40
166	Genes differentially expressed in CB1 knockout mice: Involvement in the depressive-like phenotype. European Neuropsychopharmacology, 2011, 21, 11-22.	0.7	40
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