

Roy A Wise

List of Publications by Citations

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199
papers

26,675
citations

77
h-index

162
g-index

206
ext. papers

28,536
ext. citations

6.2
avg, IF

7.63
L-index

#	Paper	IF	Citations
199	Dopamine, learning and motivation. <i>Nature Reviews Neuroscience</i> , 2004 , 5, 483-94	13.5	2431
198	A psychomotor stimulant theory of addiction.. <i>Psychological Review</i> , 1987 , 94, 469-492	6.3	2311
197	Neuroleptics and operant behavior: The anhedonia hypothesis. <i>Behavioral and Brain Sciences</i> , 1982 , 5, 39-53	0.9	857
196	How can drug addiction help us understand obesity?. <i>Nature Neuroscience</i> , 2005 , 8, 555-60	25.5	852
195	Neuroadaptation. Incubation of cocaine craving after withdrawal. <i>Nature</i> , 2001 , 412, 141-2	50.4	790
194	Brain reward circuitry: insights from unsensed incentives. <i>Neuron</i> , 2002 , 36, 229-40	13.9	747
193	Neurobiology of addiction. <i>Current Opinion in Neurobiology</i> , 1996 , 6, 243-51	7.6	720
192	Catecholamine theories of reward: a critical review. <i>Brain Research</i> , 1978 , 152, 215-47	3.7	699
191	Drug-activation of brain reward pathways. <i>Drug and Alcohol Dependence</i> , 1998 , 51, 13-22	4.9	547
190	Dopamine uptake through the norepinephrine transporter in brain regions with low levels of the dopamine transporter: evidence from knock-out mouse lines. <i>Journal of Neuroscience</i> , 2002 , 22, 389-95	6.6	503
189	Synaptic and behavioral profile of multiple glutamatergic inputs to the nucleus accumbens. <i>Neuron</i> , 2012 , 76, 790-803	13.9	453
188	The dopamine motive system: implications for drug and food addiction. <i>Nature Reviews Neuroscience</i> , 2017 , 18, 741-752	13.5	449
187	The neurobiology of craving: Implications for the understanding and treatment of addiction.. <i>Journal of Abnormal Psychology</i> , 1988 , 97, 118-132	7	443
186	Intracranial self-administration of morphine into the ventral tegmental area in rats. <i>Life Sciences</i> , 1981 , 28, 551-5	6.8	420
185	Dopamine and reward: the anhedonia hypothesis 30 years on. <i>Neurotoxicity Research</i> , 2008 , 14, 169-83	4.3	418
184	Blockade of cocaine reinforcement in rats with the dopamine receptor blocker pimozide, but not with the noradrenergic blockers phentolamine or phenoxybenzamine. <i>Canadian Journal of Psychology</i> , 1977 , 31, 195-203		383
183	The development and maintenance of drug addiction. <i>Neuropsychopharmacology</i> , 2014 , 39, 254-62	8.7	348

182	Roles for nigrostriatal--not just mesocorticolimbic--dopamine in reward and addiction. <i>Trends in Neurosciences</i> , 2009 , 32, 517-24	13.3	339
181	The role of reward pathways in the development of drug dependence 1987 , 35, 227-63		324
180	Voluntary ethanol intake in rats following exposure to ethanol on various schedules. <i>Psychopharmacology</i> , 1973 , 29, 203-10	4.7	310
179	Role of brain dopamine in food reward and reinforcement. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2006 , 361, 1149-58	5.8	308
178	Attenuation of intravenous amphetamine reinforcement by central dopamine blockade in rats. <i>Psychopharmacology</i> , 1976 , 48, 311-8	4.7	308
177	Rewarding actions of phencyclidine and related drugs in nucleus accumbens shell and frontal cortex. <i>Journal of Neuroscience</i> , 1996 , 16, 3112-22	6.6	304
176	Cocaine experience establishes control of midbrain glutamate and dopamine by corticotropin-releasing factor: a role in stress-induced relapse to drug seeking. <i>Journal of Neuroscience</i> , 2005 , 25, 5389-96	6.6	291
175	Heroin reward is dependent on a dopaminergic substrate. <i>Life Sciences</i> , 1981 , 29, 1881-6	6.8	289
174	Linking context with reward: a functional circuit from hippocampal CA3 to ventral tegmental area. <i>Science</i> , 2011 , 333, 353-7	33.3	282
173	Pimozide-induced extinction of intracranial self-stimulation: response patterns rule out motor or performance deficits. <i>Brain Research</i> , 1976 , 103, 377-80	3.7	275
172	Action of drugs of abuse on brain reward systems. <i>Pharmacology Biochemistry and Behavior</i> , 1980 , 13 Suppl 1, 213-23	3.9	260
171	Lateral hypothalamic circuits for feeding and reward. <i>Nature Neuroscience</i> , 2016 , 19, 198-205	25.5	254
170	Opiate reward: sites and substrates. <i>Neuroscience and Biobehavioral Reviews</i> , 1989 , 13, 129-33	9	253
169	Localization of drug reward mechanisms by intracranial injections. <i>Synapse</i> , 1992 , 10, 247-63	2.4	232
168	Forebrain substrates of reward and motivation. <i>Journal of Comparative Neurology</i> , 2005 , 493, 115-21	3.4	221
167	Intracranial self-stimulation in relation to the ascending dopaminergic systems of the midbrain: a moveable electrode mapping study. <i>Brain Research</i> , 1980 , 185, 1-15	3.7	210
166	Brain reward circuitry: four circuit elements "wired" in apparent series. <i>Brain Research Bulletin</i> , 1984 , 12, 203-8	3.9	203
165	Elevations of nucleus accumbens dopamine and DOPAC levels during intravenous heroin self-administration. <i>Synapse</i> , 1995 , 21, 140-8	2.4	191

164	Neuroleptic-induced attenuation of brain stimulation reward in rats. <i>Journal of Comparative and Physiological Psychology</i> , 1978 , 92, 661-71		177
163	Stress-induced relapse to cocaine seeking: roles for the CRF(2) receptor and CRF-binding protein in the ventral tegmental area of the rat. <i>Psychopharmacology</i> , 2007 , 193, 283-94	4.7	171
162	Chemical stimulation of the ventral hippocampus elevates nucleus accumbens dopamine by activating dopaminergic neurons of the ventral tegmental area. <i>Journal of Neuroscience</i> , 2000 , 20, 1635-42	6.6	169
161	Amphetamine- type reinforcement by dopaminergic agonists in the rat. <i>Psychopharmacology</i> , 1978 , 58, 289-96	4.7	156
160	Lateral hypothalamic electrical stimulation: does it make animals 'hungry'?. <i>Brain Research</i> , 1974 , 67, 187-209	3.7	151
159	Two brain sites for cannabinoid reward. <i>Journal of Neuroscience</i> , 2006 , 26, 4901-7	6.6	147
158	Diazepam-induced eating and lever pressing for food in sated rats. <i>Journal of Comparative and Physiological Psychology</i> , 1974 , 86, 930-41		143
157	Major attenuation of food reward with performance-sparing doses of pimozide in the rat. <i>Canadian Journal of Psychology</i> , 1978 , 32, 77-85		143
156	Electrical stimulation of the prefrontal cortex increases cholecystokinin, glutamate, and dopamine release in the nucleus accumbens: an in vivo microdialysis study in freely moving rats. <i>Journal of Neuroscience</i> , 1998 , 18, 6492-500	6.6	140
155	The anhedonia hypothesis: Mark III. <i>Behavioral and Brain Sciences</i> , 1985 , 8, 178-186	0.9	134
154	Novelty-evoked elevations of nucleus accumbens dopamine: dependence on impulse flow from the ventral subiculum and glutamatergic neurotransmission in the ventral tegmental area. <i>European Journal of Neuroscience</i> , 2001 , 13, 819-28	3.5	132
153	Brain temperature fluctuation: a reflection of functional neural activation. <i>European Journal of Neuroscience</i> , 2002 , 16, 164-8	3.5	129
152	Dopamine fluctuations in the nucleus accumbens during maintenance, extinction, and reinstatement of intravenous D-amphetamine self-administration. <i>Journal of Neuroscience</i> , 1999 , 19, 4102-9	6.6	120
151	The dopamine synapse and the notion of 'pleasure centers' in the brain. <i>Trends in Neurosciences</i> , 1980 , 3, 91-95	13.3	119
150	Intracranial self-stimulation in relation to the ascending noradrenergic fiber systems of the pontine tegmentum and caudal midbrain: a moveable electrode mapping study. <i>Brain Research</i> , 1979 , 177, 423-36	3.7	115
149	Rewarding and psychomotor stimulant effects of endomorphin-1: anteroposterior differences within the ventral tegmental area and lack of effect in nucleus accumbens. <i>Journal of Neuroscience</i> , 2002 , 22, 7225-33	6.6	113
148	Mapping of chemical trigger zones for reward. <i>Neuropharmacology</i> , 2004 , 47 Suppl 1, 190-201	5.5	112
147	Drug- and behavior-associated changes in dopamine-related electrochemical signals during intravenous heroin self-administration in rats. <i>Synapse</i> , 1993 , 14, 60-72	2.4	111

146	Reinstatement of cocaine seeking by hypocretin (orexin) in the ventral tegmental area: independence from the local corticotropin-releasing factor network. <i>Biological Psychiatry</i> , 2009 , 65, 857-62	7.9	110
145	Influence of housing conditions on the acquisition of intravenous heroin and cocaine self-administration in rats. <i>Pharmacology Biochemistry and Behavior</i> , 1989 , 33, 903-7	3.9	110
144	Reinstatement of heroin self-administration habits: morphine prompts and naltrexone discourages renewed responding after extinction. <i>Psychopharmacology</i> , 1992 , 108, 79-84	4.7	107
143	Microinjections of phencyclidine (PCP) and related drugs into nucleus accumbens shell potentiate medial forebrain bundle brain stimulation reward. <i>Psychopharmacology</i> , 1996 , 128, 413-20	4.7	106
142	Elevated expression of 5-HT1B receptors in nucleus accumbens efferents sensitizes animals to cocaine. <i>Journal of Neuroscience</i> , 2002 , 22, 10856-63	6.6	104
141	Rewarding effects of the cholinergic agents carbachol and neostigmine in the posterior ventral tegmental area. <i>Journal of Neuroscience</i> , 2002 , 22, 9895-904	6.6	101
140	Effects of pedunculopontine tegmental nucleus lesions on responding for intravenous heroin under different schedules of reinforcement. <i>Journal of Neuroscience</i> , 1998 , 18, 5035-44	6.6	100
139	Pharmacological regulation of intravenous cocaine and heroin self-administration in rats: a variable dose paradigm. <i>Pharmacology Biochemistry and Behavior</i> , 1989 , 32, 527-31	3.9	98
138	Injections of N-methyl-D-aspartate into the ventral hippocampus increase extracellular dopamine in the ventral tegmental area and nucleus accumbens. <i>Synapse</i> , 1999 , 31, 241-9	2.4	96
137	Effects of nucleus accumbens amphetamine on lateral hypothalamic brain stimulation reward. <i>Brain Research</i> , 1988 , 459, 361-8	3.7	95
136	Brain substrates for reinforcement and drug self-administration. <i>Progress in Neuro-Psychopharmacology & Biological Psychiatry</i> , 1981 , 5, 467-74		91
135	Individual differences in effects of hypothalamic stimulation: the role of stimulation locus. <i>Physiology and Behavior</i> , 1971 , 6, 569-72	3.5	90
134	A role for conditioned ventral tegmental glutamate release in cocaine seeking. <i>Journal of Neuroscience</i> , 2007 , 27, 10546-55	6.6	89
133	Self-stimulation and drug reward mechanisms. <i>Annals of the New York Academy of Sciences</i> , 1992 , 654, 192-8	6.5	87
132	A ventral tegmental CRF-glutamate-dopamine interaction in addiction. <i>Brain Research</i> , 2010 , 1314, 38-43	3.7	83
131	Pimozide attenuates lever pressing for water reinforcement in rats. <i>Pharmacology Biochemistry and Behavior</i> , 1981 , 14, 201-5	3.9	82
130	Blockade of D1 dopamine receptors in the ventral tegmental area decreases cocaine reward: possible role for dendritically released dopamine. <i>Journal of Neuroscience</i> , 2001 , 21, 5841-6	6.6	81
129	Opioid receptor subtypes associated with ventral tegmental facilitation of lateral hypothalamic brain stimulation reward. <i>Brain Research</i> , 1987 , 423, 34-8	3.7	80

128	Functional implications of glutamatergic projections to the ventral tegmental area. <i>Reviews in the Neurosciences</i> , 2008 , 19, 227-44	4.7	77
127	Environment-specific cross-sensitization between the locomotor activating effects of morphine and amphetamine. <i>Pharmacology Biochemistry and Behavior</i> , 1989 , 32, 581-4	3.9	77
126	Ventral tegmental site of opiate reward: antagonism by a hydrophilic opiate receptor blocker. <i>Brain Research</i> , 1983 , 258, 105-8	3.7	77
125	Brain stimulation reward and dopamine terminal fields. I. Caudate-putamen, nucleus accumbens and amygdala. <i>Brain Research</i> , 1984 , 297, 265-73	3.7	77
124	Neuroleptic attenuation of intracranial self-stimulation: reward or performance deficits?. <i>Life Sciences</i> , 1978 , 22, 535-42	6.8	77
123	Failure of intravenous morphine to serve as an effective instrumental reinforcer in dopamine D2 receptor knock-out mice. <i>Journal of Neuroscience</i> , 2002 , 22, RC224	6.6	75
122	Pimozide attenuates acquisition of lever-pressing for food in rats. <i>Pharmacology Biochemistry and Behavior</i> , 1981 , 15, 655-6	3.9	75
121	Feeding and Reward Are Differentially Induced by Activating GABAergic Lateral Hypothalamic Projections to VTA. <i>Journal of Neuroscience</i> , 2016 , 36, 2975-85	6.6	74
120	Pimozide attenuates free feeding: best scores analysis reveals a motivational deficit. <i>Psychopharmacology</i> , 1984 , 84, 446-51	4.7	74
119	Dual roles of dopamine in food and drug seeking: the drive-reward paradox. <i>Biological Psychiatry</i> , 2013 , 73, 819-26	7.9	70
118	Cocaine serves as a peripheral interoceptive conditioned stimulus for central glutamate and dopamine release. <i>PLoS ONE</i> , 2008 , 3, e2846	3.7	70
117	Dorsal noradrenergic bundle lesions fail to disrupt self-stimulation from the region of locus coeruleus. <i>Brain Research</i> , 1977 , 133, 37-44	3.7	69
116	Dopamine and Addiction. <i>Annual Review of Psychology</i> , 2020 , 71, 79-106	26.1	68
115	MK-801 disrupts the expression but not the development of bromocriptine sensitization: a state-dependency interpretation. <i>Synapse</i> , 1995 , 20, 1-9	2.4	66
114	Brain hyperthermia is induced by methamphetamine and exacerbated by social interaction. <i>Journal of Neuroscience</i> , 2003 , 23, 3924-9	6.6	65
113	Locomotor-activating effects of the D2 agonist bromocriptine show environment-specific sensitization following repeated injections. <i>Psychopharmacology</i> , 1992 , 107, 277-84	4.7	65
112	Mesolimbic dopamine neurotransmission is increased by administration of mu-opioid receptor antagonists. <i>European Journal of Pharmacology</i> , 1993 , 243, 55-64	5.3	64
111	Locomotion induced by ventral tegmental microinjections of a nicotinic agonist. <i>Pharmacology Biochemistry and Behavior</i> , 1990 , 35, 735-7	3.9	60

110	Effects of naloxone and pimozide on initiation and maintenance measures of free feeding. <i>Brain Research</i> , 1986 , 368, 62-8	3.7	60
109	Electrolytic microinfusion transducer system: an alternative method of intracranial drug application. <i>Journal of Neuroscience Methods</i> , 1980 , 2, 273-5	3	60
108	Psychomotor stimulant properties of addictive drugs. <i>Annals of the New York Academy of Sciences</i> , 1988 , 537, 228-34	6.5	59
107	Facilitory effect of delta 9-tetrahydrocannabinol on hypothalamically induced feeding. <i>Psychopharmacology</i> , 1991 , 103, 172-6	4.7	57
106	Acetylcholine release in the mesocorticolimbic dopamine system during cocaine seeking: conditioned and unconditioned contributions to reward and motivation. <i>Journal of Neuroscience</i> , 2008 , 28, 9021-9	6.6	56
105	Morphine-induced potentiation of brain stimulation reward is enhanced by MK-801. <i>Brain Research</i> , 1993 , 620, 339-42	3.7	53
104	Ventral tegmental injections of a selective mu or delta opioid enhance feeding in food-deprived rats. <i>Brain Research</i> , 1995 , 673, 304-12	3.7	52
103	Extracellular fluctuations of dopamine and glutamate in the nucleus accumbens core and shell associated with lever-pressing during cocaine self-administration, extinction, and yoked cocaine administration. <i>Psychopharmacology</i> , 2010 , 211, 267-75	4.7	49
102	Neural substrates of opiate reinforcement. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 1983 , 7, 569-75	5.5	49
101	Intracranial self-stimulation: mapping against the lateral boundaries of the dopaminergic cells of the substantia nigra. <i>Brain Research</i> , 1981 , 213, 190-4	3.7	49
100	Increase of extracellular glutamate and expression of Fos-like immunoreactivity in the ventral tegmental area in response to electrical stimulation of the prefrontal cortex. <i>Journal of Neurochemistry</i> , 1998 , 70, 1503-12	6	48
99	Physiological control of hypothalamically elicited feeding and drinking. <i>Journal of Comparative and Physiological Psychology</i> , 1970 , 73, 226-32		45
98	Microinjections of a nicotinic agonist into dopamine terminal fields: effects on locomotion. <i>Pharmacology Biochemistry and Behavior</i> , 1990 , 37, 113-6	3.9	44
97	Contralateral circling induced by tegmental morphine: anatomical localization, pharmacological specificity, and phenomenology. <i>Brain Research</i> , 1985 , 326, 19-26	3.7	44
96	Rewarding effects of AMPA administration into the supramammillary or posterior hypothalamic nuclei but not the ventral tegmental area. <i>Journal of Neuroscience</i> , 2004 , 24, 5758-65	6.6	43
95	Opioid-neuroleptic interaction in brainstem self-stimulation. <i>Brain Research</i> , 1989 , 477, 144-51	3.7	43
94	Opioid receptor subtypes associated with ventral tegmental facilitation and periaqueductal gray inhibition of feeding. <i>Brain Research</i> , 1987 , 423, 39-44	3.7	42
93	Concurrent intracranial self-stimulation and amphetamine self-administration in rats. <i>Pharmacology Biochemistry and Behavior</i> , 1977 , 7, 459-61	3.9	42

92	Place preference conditioning with ventral tegmental injections of cytosine. <i>Life Sciences</i> , 1994 , 55, 1179-88	4.0	40
91	Current-distance relation for rewarding brain stimulation. <i>Behavioural Brain Research</i> , 1984 , 14, 85-9	3.4	40
90	Opposite effects of ventral tegmental and periaqueductal gray morphine injections on lateral hypothalamic stimulation-induced feeding. <i>Brain Research</i> , 1986 , 399, 24-32	3.7	40
89	Small-dose intravenous heroin facilitates hypothalamic self-stimulation without response suppression in rats. <i>Life Sciences</i> , 1981 , 28, 557-62	6.8	39
88	Dopamine in the dorsal hippocampus impairs the late consolidation of cocaine-associated memory. <i>Neuropsychopharmacology</i> , 2014 , 39, 1645-53	8.7	37
87	Drug self-administration viewed as ingestive behaviour. <i>Appetite</i> , 1997 , 28, 1-5	4.5	37
86	Behavioral evidence for midbrain dopamine depolarization inactivation. <i>Brain Research</i> , 1989 , 477, 152-63	3.7	37
85	Comparisons of connectivity and conduction velocities for medial forebrain bundle fibers subserving stimulation-induced feeding and brain stimulation reward. <i>Brain Research</i> , 1988 , 438, 264-70	3.7	37
84	Synergistic effects of cocaine and dizocilpine (MK-801) on brain stimulation reward. <i>Brain Research</i> , 1997 , 760, 231-7	3.7	36
83	Brain stimulation reward and dopamine terminal fields. II. Septal and cortical projections. <i>Brain Research</i> , 1984 , 301, 209-19	3.7	36
82	Reciprocal Inhibitory Interactions Between the Reward-Related Effects of Leptin and Cocaine. <i>Neuropsychopharmacology</i> , 2016 , 41, 1024-33	8.7	35
81	Retrograde fluorescent tracing of substantia nigra neurons combined with catecholamine histofluorescence. <i>Brain Research</i> , 1980 , 183, 447-52	3.7	35
80	Differentiating the rapid actions of cocaine. <i>Nature Reviews Neuroscience</i> , 2011 , 12, 479-84	13.5	34
79	Ventral tegmental injections of morphine but not U-50,488H enhance feeding in food-deprived rats. <i>Brain Research</i> , 1993 , 632, 68-73	3.7	34
78	Circling from intracranial morphine applied to the ventral tegmental area in rats. <i>Brain Research Bulletin</i> , 1983 , 11, 295-8	3.9	34
77	Qualitative differences between C57BL/6J and DBA/2J mice in morphine potentiation of brain stimulation reward and intravenous self-administration. <i>Psychopharmacology</i> , 2010 , 208, 309-21	4.7	33
76	Brain and body hyperthermia associated with heroin self-administration in rats. <i>Journal of Neuroscience</i> , 2002 , 22, 1072-80	6.6	33
75	Fos expression following self-stimulation of the medial prefrontal cortex. <i>Behavioural Brain Research</i> , 2000 , 107, 123-32	3.4	33

74	MK-801 (dizocilpine): synergist and conditioned stimulus in bromocriptine-induced psychomotor sensitization. <i>Synapse</i> , 1996 , 22, 362-8	2.4	33
73	Phencyclidine-induced potentiation of brain stimulation reward: acute effects are not altered by repeated administration. <i>Psychopharmacology</i> , 1993 , 111, 402-8	4.7	33
72	Ventral pallidal microinjections of receptor-selective opioid agonists produce differential effects on circling and locomotor activity in rats. <i>Brain Research</i> , 1991 , 550, 205-12	3.7	33
71	Brain stimulation reward in the lateral hypothalamic medial forebrain bundle: mapping of boundaries and homogeneity. <i>Brain Research</i> , 1983 , 274, 25-30	3.7	33
70	Effects of naltrexone on nucleus accumbens, lateral hypothalamic and ventral tegmental self-stimulation rate-frequency functions. <i>Brain Research</i> , 1988 , 462, 126-33	3.7	32
69	Ventral tegmental glutamate: a role in stress-, cue-, and cocaine-induced reinstatement of cocaine-seeking. <i>Neuropharmacology</i> , 2009 , 56 Suppl 1, 174-6	5.5	31
68	Intravenous Drug Self-Administration: A Special Case of Positive Reinforcement 1987 , 117-141		31
67	Dorsal as well as ventral striatal lesions affect levels of intravenous cocaine and morphine self-administration in rats. <i>Neuroscience Letters</i> , 2011 , 493, 29-32	3.3	29
66	Control of within-binge cocaine-seeking by dopamine and glutamate in the core of nucleus accumbens. <i>Psychopharmacology</i> , 2009 , 205, 431-9	4.7	29
65	Cytisine-induced behavioral activation: delineation of neuroanatomical locus of action. <i>Brain Research</i> , 1995 , 670, 257-63	3.7	29
64	Acute depolarization block of A10 dopamine neurons: interactions of morphine with dopamine antagonists. <i>Brain Research</i> , 1992 , 596, 231-7	3.7	29
63	Comparisons of refractory periods for medial forebrain bundle fibers subserving stimulation-induced feeding and brain stimulation reward: a psychophysical study. <i>Brain Research</i> , 1988 , 438, 256-63	3.7	28
62	Relative effectiveness of pimozide, haloperidol and trifluoperazine on self-stimulation rate-intensity functions. <i>Pharmacology Biochemistry and Behavior</i> , 1985 , 23, 777-80	3.9	27
61	Effects of pimozide and naloxone on latency for hypothalamically induced eating. <i>Brain Research</i> , 1986 , 375, 329-37	3.7	27
60	Striatal hyperthermia associated with arousal: intracranial thermorecordings in behaving rats. <i>Brain Research</i> , 2001 , 918, 141-52	3.7	26
59	Opposite effects of unilateral forebrain ablations on ipsilateral and contralateral hypothalamic self-stimulation. <i>Brain Research</i> , 1987 , 407, 285-93	3.7	26
58	Satiating effects of cocaine are controlled by dopamine actions in the nucleus accumbens core. <i>Journal of Neuroscience</i> , 2011 , 31, 17917-22	6.6	25
57	Lack of cross-sensitization between the locomotor-activating effects of bromocriptine and those of cocaine or heroin. <i>Psychopharmacology</i> , 1993 , 110, 402-8	4.7	25

56	Lack of sensitization or tolerance to the facilitating effect of ventral tegmental area morphine on lateral hypothalamic brain stimulation reward. <i>Brain Research</i> , 1993 , 617, 303-8	3.7	25
55	Intracranial self-stimulation as a technique to study the reward properties of drugs of abuse. <i>Pharmacology Biochemistry and Behavior</i> , 1980 , 13 Suppl 1, 245-7	3.9	25
54	Stimulation-induced eating disrupted by a conditioned taste aversion. <i>Behavioral Biology</i> , 1973 , 9, 289-97		24
53	Rewards wanted: Molecular mechanisms of motivation. <i>Discovery Medicine</i> , 2004 , 4, 180-6	2.5	24
52	Intravenous self-administration of methamphetamine-heroin (speedball) combinations under a progressive-ratio schedule of reinforcement in rats. <i>NeuroReport</i> , 2000 , 11, 2621-3	1.7	23
51	Circling induced by intra-accumbens amphetamine injections. <i>Psychopharmacology</i> , 1991 , 105, 157-61	4.7	23
50	Maximization of ethanol intake in the rat. <i>Advances in Experimental Medicine and Biology</i> , 1975 , 59, 279-94	3.6	23
49	Long-term upregulation of protein kinase A and adenylate cyclase levels in human smokers. <i>Journal of Neuroscience</i> , 2007 , 27, 1964-72	6.6	22
48	Drive and Reinforcement Circuitry in the Brain: Origins, Neurotransmitters, and Projection Fields. <i>Neuropsychopharmacology</i> , 2018 , 43, 680-689	8.7	21
47	Ventral mesencephalic delta opioid receptors are involved in modulation of basal mesolimbic dopamine neurotransmission: an anatomical localization study. <i>Brain Research</i> , 1993 , 622, 348-52	3.7	21
46	Control of food approach and eating by a GABAergic projection from lateral hypothalamus to dorsal pons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 8611-8615	11.5	20
45	Endomorphin-1 and -2 immunoreactive cells in the hypothalamus are labeled by fluoro-gold injections to the ventral tegmental area. <i>Journal of Comparative Neurology</i> , 2002 , 454, 320-8	3.4	20
44	Concurrent facilitatory and inhibitory effects of amphetamine on stimulation-induced eating. <i>Brain Research</i> , 1988 , 459, 356-60	3.7	20
43	Contraversive circling induced by ventral tegmental microinjections of moderate doses of morphine and [D-Pen2, D-Pen5]enkephalin. <i>Brain Research</i> , 1988 , 450, 382-6	3.7	20
42	Interaction of chlorisondamine with the neuronal nicotinic acetylcholine receptor. <i>Journal of Proteome Research</i> , 2003 , 2, 207-12	5.6	19
41	Interactions between medial prefrontal cortex and meso-limbic components of brain reward circuitry. <i>Progress in Brain Research</i> , 2000 , 126, 255-62	2.9	18
40	Attenuation of the locomotor-sensitizing effects of the D2 dopamine agonist bromocriptine by either the D1 antagonist SCH 23390 or the D2 antagonist raclopride. <i>Synapse</i> , 1994 , 17, 155-9	2.4	18
39	Striatal tissue preparation facilitates early sampling in microdialysis and reveals an index of neuronal damage. <i>Journal of Neurochemistry</i> , 1993 , 61, 1246-54	6	18

38	Facilitation of feeding by nucleus accumbens amphetamine injections: latency and speed measures. <i>Pharmacology Biochemistry and Behavior</i> , 1989 , 32, 769-72	3.9	18
37	Anatomical mapping of brain stimulation reward sites in the anterior hypothalamic area: special attention to the stria medullaris. <i>Brain Research</i> , 1989 , 483, 12-6	3.7	18
36	Moveable electrode for chronic brain stimulation in the rat. <i>Physiology and Behavior</i> , 1976 , 16, 105-6	3.5	18
35	Lesions of cholinergic pedunclopontine tegmental nucleus neurons fail to affect cocaine or heroin self-administration or conditioned place preference in rats. <i>PLoS ONE</i> , 2014 , 9, e84412	3.7	18
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