Rainer Spanagel

List of Publications by Year
in descending order

285 papers	21,242 citations	10389 72 h-index	11939 134 g-index
310 all docs	310 docs citations	310 times ranked	18194 citing authors

#	Article	IF	Citations
1	Impaired stress response and reduced anxiety in mice lacking a functional corticotropin-releasing hormone receptor 1. Nature Genetics, 1998, 19, 162-166.	21.4	881
2	The dopamine hypothesis of reward: past and current status. Trends in Neurosciences, 1999, 22, 521-527.	8.6	879
3	Alcoholism: A Systems Approach From Molecular Physiology to Addictive Behavior. Physiological Reviews, 2009, 89, 649-705.	28.8	620
4	The clock gene Per2 influences the glutamatergic system and modulates alcohol consumption. Nature Medicine, 2005, 11, 35-42.	30.7	598
5	Behavioural assessment of drug reinforcement and addictive features in rodents: an overview. Addiction Biology, 2006, 11, 2-38.	2.6	572
6	Cocaine-evoked synaptic plasticity: persistence in the VTA triggers adaptations in the NAc. Nature Neuroscience, 2009, 12, 1036-1041.	14.8	559
7	Correlated gene expression supports synchronous activity in brain networks. Science, 2015, 348, 1241-1244.	12.6	532
8	The Effects of Opioid Peptides on Dopamine Release in the Nucleus Accumbens: An In Vivo Microdialysis Study. Journal of Neurochemistry, 1990, 55, 1734-1740.	3.9	511
9	Stress-Induced Anhedonia in Mice is Associated with Deficits in Forced Swimming and Exploration. Neuropsychopharmacology, 2004, 29, 2007-2017.	5.4	481
10	Neuropharmacology of alcohol addiction. British Journal of Pharmacology, 2008, 154, 299-315.	5.4	469
11	Cocaine sensitization and reward are under the influence of circadian genes and rhythm. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 9026-9030.	7.1	426
12	Adolescent impulsivity phenotypes characterized by distinct brain networks. Nature Neuroscience, 2012, 15, 920-925.	14.8	368
13	Regulation of Monoamine Oxidase A by Circadian-Clock Components Implies Clock Influence on Mood. Current Biology, 2008, 18, 678-683.	3.9	366
14	Genome-wide Association Study of Alcohol Dependence. Archives of General Psychiatry, 2009, 66, 773.	12.3	354
15	Impaired Long-Term Memory and NR2A-Type NMDA Receptor-Dependent Synaptic Plasticity in Mice Lacking c-Fos in the CNS. Journal of Neuroscience, 2003, 23, 9116-9122.	3.6	321
16	Anti-craving compounds for ethanol: new pharmacological tools to study addictive processes. Trends in Pharmacological Sciences, 1997, 18, 54-59.	8.7	281
17	Genome-wide association and genetic functional studies identify autism susceptibility candidate 2 gene (AUTS2) in the regulation of alcohol consumption. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7119-7124.	7.1	258
18	Genetic variation in the PNPLA3 gene is associated with alcoholic liver injury in caucasians. Hepatology, 2011, 53, 86-95.	7.3	252

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19	Acamprosate and alcohol: I. Effects on alcohol intake following alcohol deprivation in the rat. European Journal of Pharmacology, 1996, 305, 39-44.	3.5	248
20	mGluR5 Antagonist MPEP Reduces Ethanol-Seeking and Relapse Behavior. Neuropsychopharmacology, 2004, 29, 921-928.	5.4	235
21	Glutamate Receptors on Dopamine Neurons Control the Persistence of Cocaine Seeking. Neuron, 2008, 59, 497-508.	8.1	224
22	Enhanced and Delayed Stress-Induced Alcohol Drinking in Mice Lacking Functional CRH1 Receptors. Science, 2002, 296, 931-933.	12.6	220
23	Withdrawal Phenomena and Dependence Syndrome After the Consumption of â€žSpice Goldâ€œ. Deutsches Ärzteblatt International, 2009, 106, 464-7.	0.9	212
24	Ambiguous-Cue Interpretation is Biased Under Stress- and Depression-Like States in Rats. Neuropsychopharmacology, 2010, 35, 1008-1015.	5.4	192
25	Translational Magnetic Resonance Spectroscopy Reveals Excessive Central Glutamate Levels During Alcohol Withdrawal in Humans and Rats. Biological Psychiatry, 2012, 71, 1015-1021.	1.3	173
26	Glutamatergic targets for new alcohol medications. Psychopharmacology, 2013, 229, 539-554.	3.1	167
27	The alcohol deprivation effect model for studying relapse behavior: A comparison between rats and mice. Alcohol, 2014, 48, 313-320.	1.7	161
28	The Glucocorticoid Receptor as a Potential Target to Reduce Cocaine Abuse. Journal of Neuroscience, 2003, 23, 4785-4790.	3.6	159
29	Chronic intake of fermented floral nectar by wild treeshrews. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 10426-10431.	7.1	158
30	Acamprosate: Recent Findings and Future Research Directions. Alcoholism: Clinical and Experimental Research, 2008, 32, 1105-1110.	2.4	154
31	Animal models of addiction. Dialogues in Clinical Neuroscience, 2017, 19, 247-258.	3.7	151
32	Rescue of Infralimbic mGluR₂Deficit Restores Control Over Drug-Seeking Behavior in Alcohol Dependence. Journal of Neuroscience, 2013, 33, 2794-2806.	3.6	148
33	Drugs for relapse prevention of alcoholism: ten years of progress. Trends in Pharmacological Sciences, 2008, 29, 109-115.	8.7	147
34	Stress and alcohol interactions: animal studies and clinical significance. Trends in Neurosciences, 2014, 37, 219-227.	8.6	143
35	Reduced sensitivity to reward in CB1 knockout mice. Psychopharmacology, 2004, 176, 223-232.	3.1	141
36	Alcohol Consumption and the Body???s Biological Clock. Alcoholism: Clinical and Experimental Research, 2005, 29, 1550-1557.	2.4	139

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37	Risk Taking and the Adolescent Reward System: A Potential Common Link to Substance Abuse. American Journal of Psychiatry, 2012, 169, 39-46.	7.2	138
38	Effect of Acamprosate on Magnetic Resonance Spectroscopy Measures of Central Glutamate in Detoxified Alcohol-Dependent Individuals. Archives of General Psychiatry, 2010, 67, 1069.	12.3	136
39	Largely overlapping neuronal substrates of reactivity to drug, gambling, food and sexual cues: A comprehensive meta-analysis. European Neuropsychopharmacology, 2016, 26, 1419-1430.	0.7	136
40	Addiction Research Consortium: Losing and regaining control over drug intake (ReCoDe)â€"From trajectories to mechanisms and interventions. Addiction Biology, 2020, 25, e12866.	2.6	135
41	Î²-Endorphin-induced locomotor stimulation and reinforcement are associated with an increase in dopamine release in the nucleus accumbens. Psychopharmacology, 1991, 104, 51-56.	3.1	131
42	The role of the NMDA receptor in alcohol relapse: a pharmacological mapping study using the alcohol deprivation effect. Neuropharmacology, 2005, 48, 822-829.	4.1	128
43	Convergent evidence from alcohol-dependent humans and rats for a hyperdopaminergic state in protracted abstinence. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3024-3029.	7.1	127
44	Unconditioned anxiety and social behaviour in two rat lines selectively bred for high and low anxiety-related behaviour. Behavioural Brain Research, 2000, 111, 153-163.	2.2	125
45	Determinants of Early Alcohol Use In Healthy Adolescents: The Differential Contribution of Neuroimaging and Psychological Factors. Neuropsychopharmacology, 2012, 37, 986-995.	5.4	124
46	A Comparative Study on Alcohol-Preferring Rat Lines: Effects of Deprivation and Stress Phases on Voluntary Alcohol Intake. Alcoholism: Clinical and Experimental Research, 2003, 27, 1048-1054.	2.4	119
47	Involvement of the AMPA Receptor GluR-C Subunit in Alcohol-Seeking Behavior and Relapse. Journal of Neuroscience, 2006, 26, 1231-1238.	3.6	119
48	Acamprosate Produces Its Anti-Relapse Effects Via Calcium. Neuropsychopharmacology, 2014, 39, 783-791.	5.4	119
49	Losing Control: Excessive Alcohol Seeking after Selective Inactivation of Cue-Responsive Neurons in the Infralimbic Cortex. Journal of Neuroscience, 2015, 35, 10750-10761.	3.6	118
50	Systematic Analysis of Glutamatergic Neurotransmission Genes in Alcohol Dependence and Adolescent Risky Drinking Behavior. Archives of General Psychiatry, 2008, 65, 826.	12.3	116
51	Influence of Age at Drinking Onset on Long-Term Ethanol Self-Administration With Deprivation and Stress Phases. Alcoholism: Clinical and Experimental Research, 2005, 29, 1139-1145.	2.4	115
52	Effects of the Circadian Rhythm Gene Period 1 (Per1) on Psychosocial Stress-Induced Alcohol Drinking. American Journal of Psychiatry, 2011, 168, 1090-1098.	7.2	113
53	The Effects of Acamprosate and Neramexane on Cue-Induced Reinstatement of Ethanol-Seeking Behavior in Rat. Neuropsychopharmacology, 2005, 30, 1104-1110.	5.4	111
54	Effects of opiate antagonist treatment on the alcohol deprivation effect in long-term ethanol-experienced rats. Psychopharmacology, 1999, 145, 360-369.	3.1	105

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55	The dopamine D3 receptor plays an essential role in alcoholâ€seeking and relapse. FASEB Journal, 2006, 20, 2223-2233.	0.5	105
56	Rats with congenital learned helplessness respond less to sucrose but show no deficits in activity or learning. Behavioural Brain Research, 2004, 150, 217-221.	2.2	103
57	RESEARCH FOCUS ON COMPULSIVE BEHAVIOUR IN ANIMALS: Compulsive alcohol drinking in rodents. Addiction Biology, 2009, 14, 384-396.	2.6	100
58	Endogenous Î¹-opioid systems in opiate withdrawal: role in aversion and accompanying changes in mesolimbic dopamine release. Psychopharmacology, 1994, 115, 121-127.	3.1	98
59	Social and structural housing conditions influence the development of a depressive-like phenotype in the learned helplessness paradigm in male mice. Behavioural Brain Research, 2005, 164, 100-106.	2.2	90
60	RASGRF2 regulates alcohol-induced reinforcement by influencing mesolimbic dopamine neuron activity and dopamine release. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 21128-21133.	7.1	90
61	Kappa-opioid receptors and relapse-like drinking in long-term ethanol-experienced rats. Psychopharmacology, 2000, 153, 93-102.	3.1	89
62	Neurocircuitry for modeling drug effects. Addiction Biology, 2012, 17, 827-864.	2.6	88
63	Long lasting changes in morphine-induced mesolimbic dopamine release after chronic morphine exposure. Synapse, 1993, 14, 243-245.	1.2	87
64	Evidence for alcohol anti-craving properties of memantine. European Journal of Pharmacology, 1996, 314, R1-R2.	3.5	87
65	Alcohol Self-administration in Two Rat Lines Selectively Bred for Extremes in Anxiety-related Behavior. Neuropsychopharmacology, 2002, 26, 729-736.	5.4	87
66	Oxytocin Reduces Alcohol Cue-Reactivity in Alcohol-Dependent Rats and Humans. Neuropsychopharmacology, 2018, 43, 1235-1246.	5.4	85
67	Influence of age at drinking onset on the alcohol deprivation effect and stress-induced drinking in female rats. Pharmacology Biochemistry and Behavior, 2007, 86, 320-326.	2.9	84
68	Modulation of morphine-induced sensitization by endogenous Î¹ opioid systems in the rat. Neuroscience Letters, 1993, 153, 232-236.	2.1	83
69	Time Course of Acamprosate Action on Operant Ethanol Self-Administration after Ethanol Deprivation. Alcoholism: Clinical and Experimental Research, 1997, 21, 862-868.	2.4	81
70	Ethanol and N -methyl- D -aspartate receptor complex interactions: a detailed drug discrimination study in the rat. Psychopharmacology, 1998, 135, 44-51.	3.1	80
71	The Neuronal Nitric Oxide Synthase Gene Is Critically Involved in Neurobehavioral Effects of Alcohol. Journal of Neuroscience, 2002, 22, 8676-8683.	3.6	76
72	A systems medicine research approach for studying alcohol addiction. Addiction Biology, 2013, 18, 883-896.	2.6	76

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73	Addiction and its brain science. Addiction, 2005, 100, 1813-1822.	3.3	73
74	Glycine Transporter-1 Blockade Leads to Persistently Reduced Relapse-like Alcohol Drinking in Rats. Biological Psychiatry, 2010, 68, 704-711.	1.3	73
75	Alcohol addiction research: from animal models to clinics. Bailliere's Best Practice and Research in Clinical Gastroenterology, 2003, 17, 507-518.	2.4	70
76	Analysis of genetic variations of protein tyrosine kinase fyn and their association with alcohol dependence in two independent cohorts. Biological Psychiatry, 2003, 54, 1422-1426.	1.3	70
77	A Novel Elevated Plus-Maze Procedure to Avoid the One-Trial Tolerance Problem. Frontiers in Behavioral Neuroscience, 2011, 5, 43.	2.0	70
78	Fractalkine-upregulated milk-fat globule EGF factor-8 protein in cultured rat microglia. Journal of Neuroimmunology, 2005, 160, 92-101.	2.3	69
79	Cue-induced alcohol-seeking behaviour is reduced by disrupting the reconsolidation of alcohol-related memories. Psychopharmacology, 2009, 205, 389-397.	3.1	69
80	Association of Protein PhosphatasePPM1GWith Alcohol Use Disorder and Brain Activity During Behavioral Control in a Genome-Wide Methylation Analysis. American Journal of Psychiatry, 2015, 172, 543-552.	7.2	68
81	PRECLINICAL STUDY: Circadian regulation of central ethanol sensitivity by the mPer2 gene. Addiction Biology, 2009, 14, 253-259.	2.6	67
82	Incentive Learning Underlying Cocaine-Seeking Requires mGluR5 Receptors Located on Dopamine D1 Receptor-Expressing Neurons. Journal of Neuroscience, 2010, 30, 11973-11982.	3.6	66
83	cDNA microarray analysis reveals novel candidate genes expressed in human peripheral blood following exhaustive exercise. Physiological Genomics, 2005, 23, 287-294.	2.3	61
84	Cluster and metaâ€analyses on factors influencing stressâ€induced alcohol drinking and relapse in rodents. Addiction Biology, 2014, 19, 225-232.	2.6	61
85	Assessment of neuroleptic-like properties of progesterone. Psychopharmacology, 1999, 143, 29-38.	3.1	60
86	Stress- and corticosteroid-induced modulation of the locomotor response to morphine in rats. Behavioural Brain Research, 1999, 103, 85-93.	2.2	60
87	Importance of NO/cGMP signalling via cGMP-dependent protein kinase II for controlling emotionality and neurobehavioural effects of alcohol. European Journal of Neuroscience, 2004, 20, 3498-3506.	2.6	60
88	Regulation of immune-modulatory genes in left superior temporal cortex of schizophrenia patients: a genome-wide microarray study. World Journal of Biological Psychiatry, 2011, 12, 201-215.	2.6	60
89	Brain-Specific Inactivation of the Crhr1 Gene Inhibits Post-Dependent and Stress-Induced Alcohol Intake, but Does Not Affect Relapse-Like Drinking. Neuropsychopharmacology, 2012, 37, 1047-1056.	5.4	60
90	Adverse Social Experiences in Adolescent Rats Result in Enduring Effects on Social Competence, Pain Sensitivity and Endocannabinoid Signaling. Frontiers in Behavioral Neuroscience, 2016, 10, 203.	2.0	60

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91	Efficacy and safety of sodium oxybate in alcoholâ€dependent patients with a very high drinking risk level. Addiction Biology, 2018, 23, 969-986.	2.6	59
92	Cannabinoids and the endocannabinoid system in reward processing and addiction: from mechanisms to interventions. Dialogues in Clinical Neuroscience, 2020, 22, 241-250.	3.7	59
93	The mGluR2/3 Agonist LY379268 Induced Anti-Reinstatement Effects in Rats Exhibiting Addiction-like Behavior. Neuropsychopharmacology, 2013, 38, 2048-2056.	5.4	58
94	Reduced oxytocin receptor gene expression and binding sites in different brain regions in schizophrenia: A post-mortem study. Schizophrenia Research, 2016, 177, 59-66.	2.0	58
95	Ethanol self-administration and reinstatement of ethanol-seeking behavior in Per1 Brdm1 mutant mice. Psychopharmacology, 2007, 190, 13-19.	3.1	57
96	An integrated genome research network for studying the genetics of alcohol addiction. Addiction Biology, 2010, 15, 369-379.	2.6	57
97	Rsu1 regulates ethanol consumption in Drosophila and humans. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4085-93.	7.1	57
98	Effects of d-cycloserine on extinction of mesolimbic cue reactivity in alcoholism: a randomized placebo-controlled trial. Psychopharmacology, 2015, 232, 2353-2362.	3.1	57
99	Inhibition of the Casein-Kinase-1-Epsilon/Delta Prevents Relapse-Like Alcohol Drinking. Neuropsychopharmacology, 2012, 37, 2121-2131.	5.4	56
100	A Pharmacogenetic Determinant of Mu-Opioid Receptor Antagonist Effects on Alcohol Reward and Consumption: Evidence from Humanized Mice. Biological Psychiatry, 2015, 77, 850-858.	1.3	56
101	Reward sensitivity for a palatable food reward peaks during pubertal developmental in rats. Frontiers in Behavioral Neuroscience, 2010, 4, .	2.0	55
102	Stress triggers anhedonia in rats bred for learned helplessness. Behavioural Brain Research, 2010, 209, 183-186.	2.2	53
103	Neural basis of reward anticipation and its genetic determinants. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3879-3884.	7.1	53
104	Clock genesÂÃ—ÂstressÂÃ—Âreward interactions in alcohol and substance use disorders. Alcohol, 2015, 49, 351-357.	1.7	51
105	Low Î¼-Opioid Receptor Status in Alcohol Dependence Identified by Combined Positron Emission Tomography and Post-Mortem Brain Analysis. Neuropsychopharmacology, 2017, 42, 606-614.	5.4	51
106	Differential role of the nitric oxide pathway on Î”9-THC-induced central nervous system effects in the mouse. European Journal of Neuroscience, 2001, 13, 561-568.	2.6	50
107	Enhanced Functional Activity of the Cannabinoid Type-1 Receptor Mediates Adolescent Behavior. Journal of Neuroscience, 2015, 35, 13975-13988.	3.6	50
108	New Pharmacological Treatment Strategies for Relapse Prevention. Current Topics in Behavioral Neurosciences, 2012, 13, 583-609.	1.7	49

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109	Effects of chronic alcohol consumption on the expression of different NR1 splice variants in the brain of AA and ANA lines of rats. Molecular Brain Research, 1999, 72, 166-175.	2.3	48
110	Genetic Deletion of Neuronal PPARÎ³ Enhances the Emotional Response to Acute Stress and Exacerbates Anxiety: An Effect Reversed by Rescue of Amygdala PPARÎ³ Function. Journal of Neuroscience, 2016, 36, 12611-12623.	3.6	48
111	New Pharmacological Treatment Strategies for Relapse Prevention. Current Topics in Behavioral Neurosciences, 2012, , 583-609.	1.7	47
112	Withdrawal Symptoms in a Long-Term Model of Voluntary Alcohol Drinking in Wistar Rats. Pharmacology Biochemistry and Behavior, 2000, 66, 143-151.	2.9	46
113	Increased mesolimbic cue-reactivity in carriers of the mu-opioid-receptor gene OPRM1 A118G polymorphism predicts drinking outcome: A functional imaging study in alcohol dependent subjects. European Neuropsychopharmacology, 2015, 25, 1128-1135.	0.7	46
114	Activation of Melatonin Receptors Reduces Relapse-Like Alcohol Consumption. Neuropsychopharmacology, 2015, 40, 2897-2906.	5.4	44
115	Glutamate Receptors within the Mesolimbic Dopamine System Mediate Alcohol Relapse Behavior. Journal of Neuroscience, 2015, 35, 15523-15538.	3.6	44
116	Loss of the serum response factor in the dopamine system leads to hyperactivity. FASEB Journal, 2010, 24, 2427-2435.	0.5	43
117	Choice for Drug or Natural Reward Engages Largely Overlapping Neuronal Ensembles in the Infralimbic Prefrontal Cortex. Journal of Neuroscience, 2018, 38, 3507-3519.	3.6	42
118	The Effects of Drugs of Abuse on Clock Genes. Drug News and Perspectives, 2008, 21, 211.	1.5	40
119	Psilocybin targets a common molecular mechanism for cognitive impairment and increased craving in alcoholism. Science Advances, 2021, 7, eabh2399.	10.3	39
120	Reduced alcohol intake and reward associated with impaired endocannabinoid signaling in mice with a deletion of the glutamate transporter GLAST. Neuropharmacology, 2012, 63, 181-189.	4.1	38
121	Long-term alcohol self-administration and alcohol withdrawal differentially modulate microtubule-associated protein 2 (MAP2) gene expression in the rat brain. Molecular Brain Research, 1998, 62, 196-205.	2.3	37
122	Genetic Variation in the Atrial Natriuretic Peptide Transcription Factor GATA4 Modulates Amygdala Responsiveness in Alcohol Dependence. Biological Psychiatry, 2014, 75, 790-797.	1.3	37
123	Dnmt3a2 in the Nucleus Accumbens Shell Is Required for Reinstatement of Cocaine Seeking. Journal of Neuroscience, 2018, 38, 7516-7528.	3.6	37
124	The effects of lamotrigine on alcohol seeking and relapse. Neuropharmacology, 2007, 53, 951-957.	4.1	36
125	Loss of the Ca ²⁺ /calmodulin-dependent protein kinase type IV in dopaminoceptive neurons enhances behavioral effects of cocaine. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 17549-17554.	7.1	36
126	Circadian Expression of Clock- and Tumor Suppressor Genes in Human Oral Mucosa. Cellular Physiology and Biochemistry, 2010, 26, 155-166.	1.6	36

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127	Oleoylethanolamide doseâ€dependently attenuates cocaineâ€induced behaviours through a <scp>PPARÎ±</scp> receptorâ€independent mechanism. Addiction Biology, 2013, 18, 78-87.	2.6	36
128	Adolescent peer-rejection persistently alters pain perception and CB1 receptor expression in female rats. European Neuropsychopharmacology, 2014, 24, 290-301.	0.7	36
129	Longitudinal Structural and Functional Brain Network Alterations in a Mouse Model of Neuropathic Pain. Neuroscience, 2018, 387, 104-115.	2.3	36
130	The influence of opioid antagonists on the discriminative stimulus effects of ethanol. Pharmacology Biochemistry and Behavior, 1996, 54, 645-649.	2.9	35
131	The Need for Treatment Responsive Translational Biomarkers in Alcoholism Research. Current Topics in Behavioral Neurosciences, 2015, 28, 151-171.	1.7	35
132	Differential Roles for L-Type Calcium Channel Subtypes in Alcohol Dependence. Neuropsychopharmacology, 2017, 42, 1058-1069.	5.4	35
133	Psilocybin and LSD have no long-lasting effects in an animal model of alcohol relapse. Neuropsychopharmacology, 2020, 45, 1316-1322.	5.4	35
134	Impairment of cocaine-mediated behaviours in mice by clinically relevant Ras-ERK inhibitors. ELife, 2016, 5, .	6.0	35
135	The Use of a Novel Drinkometer System for Assessing Pharmacological Treatment Effects on Ethanol Consumption in Rats. Alcoholism: Clinical and Experimental Research, 2013, 37, E322-8.	2.4	34
136	A multiscale cerebral neurochemical connectome of the rat brain. PLoS Biology, 2017, 15, e2002612.	5.6	34
137	Candidate Genes for Alcohol Dependence: Animal Studies. Alcoholism: Clinical and Experimental Research, 2003, 27, 880-888.	2.4	33
138	Cocaineâ€induced dopamine overflow within the nucleus accumbens measured by in vivo microdialysis: A metaâ€analysis. Synapse, 2008, 62, 243-252.	1.2	33
139	Development of morphine-induced tolerance and withdrawal: Involvement of the clock gene mPer2. European Neuropsychopharmacology, 2010, 20, 509-517.	0.7	33
140	Cannabinoid exposure in pubertal rats increases spontaneous ethanol consumption and NMDA receptor associated protein levels. International Journal of Neuropsychopharmacology, 2011, 14, 505-517.	2.1	33
141	Ethanol-induced alterations of amino acids measured by in vivo microdialysis in rats: a meta-analysis. In Silico Pharmacology, 2013, 1, 7.	3.3	33
142	Chronic Intermittent Ethanol Exposure in Mice Leads to an Up-Regulation of CRH/CRHR1 Signaling. Alcoholism: Clinical and Experimental Research, 2015, 39, 752-762.	2.4	33
143	Pharmacological Relapse Prevention in Alcohol Dependence: From Animal Models to Clinical Trials. Alcoholism: Clinical and Experimental Research, 2001, 25, 127S-131S.	2.4	32
144	Repeated Administration of the Neurotensin Receptor Antagonist SR 48692 Differentially Regulates Mesocortical and Mesolimbic Dopaminergic Systems. Journal of Neurochemistry, 1998, 71, 1158-1167.	3.9	32

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145	The initiation of cannabis use in adolescence is predicted by sexâ€specific psychosocial and neurobiological features. European Journal of Neuroscience, 2019, 50, 2346-2356.	2.6	32
146	Dopamine and opioid systems adaptation in alcoholism revisited: Convergent evidence from positron emission tomography and postmortem studies. Neuroscience and Biobehavioral Reviews, 2019, 106, 141-164.	6.1	32
147	Structural synaptic elements are differentially regulated in superior temporal cortex of schizophrenia patients. European Archives of Psychiatry and Clinical Neuroscience, 2012, 262, 565-577.	3.2	31
148	The impact of acetylcholinesterase inhibitors on the extracellular acetylcholine concentrations in the adult rat brain: A metaâ€analysis. Synapse, 2012, 66, 893-901.	1.2	31
149	Global Ethanol-Induced Enhancements of Monoaminergic Neurotransmission: A Meta-Analysis Study. Alcoholism: Clinical and Experimental Research, 2013, 37, 2048-2057.	2.4	31
150	Adolescent social rejection alters pain processing in a CB1 receptor dependent manner. European Neuropsychopharmacology, 2016, 26, 1201-1212.	0.7	31
151	Voluntary alcohol intake in two rat lines selectively bred for learned helpless and non-helpless behavior. Psychopharmacology, 2005, 178, 125-132.	3.1	30
152	In silico pharmacology: drug design and discoveryâ€™s gate to the future. In Silico Pharmacology, 2013, 1, 1.	3.3	30
153	Incubation of Cocaine Seeking following Brief Cocaine Experience in Mice Is Enhanced by mGluR1 Blockade. Journal of Neuroscience, 2014, 34, 1781-1790.	3.6	29
154	Adaptive dynamics of the 5â€<scp>HT</scp> systems following chronic administration of selective serotonin reuptake inhibitors: a metaâ€analysis. Journal of Neurochemistry, 2017, 142, 747-755.	3.9	29
155	Neural Correlates of Failed Inhibitory Control as an Early Marker of Disordered Eating in Adolescents. Biological Psychiatry, 2019, 85, 956-965.	1.3	29
156	Ventral tegmental area (VTA) injections of tyrosine hydroxylase phosphorothioate antisense oligonucleotide suppress operant behavior in rats. Neuroscience Letters, 1994, 167, 55-58.	2.1	28
157	Sensorimotor gating, working and social memory deficits in mice with reduced expression of the vesicular glutamate transporter VGLUT1. Behavioural Brain Research, 2012, 228, 328-332.	2.2	28
158	Morphine-Induced Locomotor and Neurochemical Stimulation is Enhanced in Transgenic Mice with Impaired Glucocorticoid Receptor Function. Journal of Neuroendocrinology, 1996, 8, 93-97.	2.6	27
159	Towards trans-diagnostic mechanisms in psychiatry: Neurobehavioral profile of rats with a loss of function point mutation in the dopamine transporter gene. DMM Disease Models and Mechanisms, 2017, 10, 451-461.	2.4	27
160	Dynorphin and Î²-Opioid Receptor Dysregulation in the Dopaminergic Reward System of Human Alcoholics. Molecular Neurobiology, 2018, 55, 7049-7061.	4.0	27
161	Endocannabinoid LTD in Accumbal D1 Neurons Mediates Reward-Seeking Behavior. IScience, 2020, 23, 100951.	4.1	27
162	A Functional Tph2 C1473G Polymorphism Causes an Anxiety Phenotype via Compensatory Changes in the Serotonergic System. Neuropsychopharmacology, 2012, 37, 1986-1998.	5.4	26

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163	Metabolic shift of the kynurenine pathway impairs alcohol and cocaine seeking and relapse. Psychopharmacology, 2016, 233, 3449-3459.	3.1	26
164	Decreased Reward Sensitivity in Rats from the Fischer344 Strain Compared to Wistar Rats Is Paralleled by Differences in Endocannabinoid Signaling. PLoS ONE, 2012, 7, e31169.	2.5	26
165	Differences in the kappa opioid receptor mRNA content in distinct brain regions of two inbred mice strains. NeuroReport, 1998, 9, 1459-1464.	1.2	25
166	Ethanol and Gene Expression in Brain. Alcoholism: Clinical and Experimental Research, 2001, 25, 82S-86S.	2.4	24
167	Alcohol Reinforcement and Voluntary Ethanol Consumption. Alcoholism: Clinical and Experimental Research, 2001, 25, 117S-126S.	2.4	24
168	Appetitive odor-cue conditioning attenuates the acoustic startle response in rats. Behavioural Brain Research, 2008, 189, 226-230.	2.2	24
169	Longâ€lasting effect of <scp>NMDA</scp> receptor antagonist memantine on ethanolâ€cue association and relapse. Journal of Neurochemistry, 2015, 135, 1080-1085.	3.9	24
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