Raul R Gainetdinov

List of Publications by Year
in descending order

315	35,640	3933	3486
papers	citations	88 h-index	182 g-index

338	338	338	30597
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Physiology, Signaling, and Pharmacology of Dopamine Receptors. Pharmacological Reviews, 2011, 63, 182-217.	16.0	2,109
2	Mice with Reduced NMDA Receptor Expression Display Behaviors Related to Schizophrenia. Cell, 1999, 98, 427-436.	28.9	1,002
3	Enhanced Morphine Analgesia in Mice Lacking Î²-Arrestin 2. Science, 1999, 286, 2495-2498.	12.6	953
4	Direct generation of functional dopaminergic neurons from mouse and human fibroblasts. Nature, 2011, 476, 224-227.	27.8	941
5	An Akt/Î²-Arrestin 2/PP2A Signaling Complex Mediates Dopaminergic Neurotransmission and Behavior. Cell, 2005, 122, 261-273.	28.9	903
6	Plasma membrane monoamine transporters: structure, regulation and function. Nature Reviews Neuroscience, 2003, 4, 13-25.	10.2	846
7	Î¼-Opioid receptor desensitization by Î²-arrestin-2 determines morphine tolerance but not dependence. Nature, 2000, 408, 720-723.	27.8	834
8	Role of Serotonin in the Paradoxical Calming Effect of Psychostimulants on Hyperactivity. Science, 1999, 283, 397-401.	12.6	813
9	DESENSITIZATION OF G PROTEINâ€“COUPLED RECEPTORS AND NEURONAL FUNCTIONS. Annual Review of Neuroscience, 2004, 27, 107-144.	10.7	755
10	Lithium antagonizes dopamine-dependent behaviors mediated by an AKT/glycogen synthase kinase 3 signaling cascade. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 5099-5104.	7.1	739
11	Profound neuronal plasticity in response to inactivation of the dopamine transporter. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 4029-4034.	7.1	623
12	Tryptophan Hydroxylase-2 Controls Brain Serotonin Synthesis. Science, 2004, 305, 217-217.	12.6	591
13	Mechanisms of Amphetamine Action Revealed in Mice Lacking the Dopamine Transporter. Journal of Neuroscience, 1998, 18, 1979-1986.	3.6	526
14	The Concise Guide to PHARMACOLOGY 2015/16: Enzymes. British Journal of Pharmacology, 2015, 172, 6024-6109.	5.4	521
15	THE CONCISE GUIDE TO PHARMACOLOGY 2019/20: G proteinâ€coupled receptors. British Journal of Pharmacology, 2019, 176, S21-S141.	5.4	519
16	Akt/GSK3 Signaling in the Action of Psychotropic Drugs. Annual Review of Pharmacology and Toxicology, 2009, 49, 327-347.	9.4	507
17	The Concise Guide to PHARMACOLOGY 2015/16: G proteinâ€coupled receptors. British Journal of Pharmacology, 2015, 172, 5744-5869.	5.4	507
18	Hyperactivity and impaired response habituation in hyperdopaminergic mice. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 1982-1987.	7.1	485

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19	Cocaine self-administration in dopamine-transporter knockout mice. Nature Neuroscience, 1998, 1, 132-137.	14.8	463
20	Conditional calcineurin knockout mice exhibit multiple abnormal behaviors related to schizophrenia. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 8987-8992.	7.1	459
21	Physiological Roles of G Proteinâ€“Coupled Receptor Kinases and Arrestins. Annual Review of Physiology, 2007, 69, 511-534.	13.1	436
22	Mice lacking the norepinephrine transporter are supersensitive to psychostimulants. Nature Neuroscience, 2000, 3, 465-471.	14.8	435
23	Loss-of-Function Mutation in Tryptophan Hydroxylase-2 Identified in Unipolar Major Depression. Neuron, 2005, 45, 11-16.	8.1	420
24	Dopamine receptors â€“ <scp>IUPHAR R</scp>eview 13. British Journal of Pharmacology, 2015, 172, 1-23.	5.4	409
25	The Aktâ€“GSK-3 signaling cascade in the actions of dopamine. Trends in Pharmacological Sciences, 2007, 28, 166-172.	8.7	385
26	Food Reward in the Absence of Taste Receptor Signaling. Neuron, 2008, 57, 930-941.	8.1	377
27	Knockout of the Vesicular Monoamine Transporter 2 Gene Results in Neonatal Death and Supersensitivity to Cocaine and Amphetamine. Neuron, 1997, 19, 1285-1296.	8.1	345
28	Monoamine Transporters: From Genes to Behavior. Annual Review of Pharmacology and Toxicology, 2003, 43, 261-284.	9.4	343
29	THE CONCISE GUIDE TO PHARMACOLOGY 2021/22: G proteinâ€coupled receptors. British Journal of Pharmacology, 2021, 178, S27-S156.	5.4	337
30	Identification of PSD-95 as a Regulator of Dopamine-Mediated Synaptic and Behavioral Plasticity. Neuron, 2004, 41, 625-638.	8.1	335
31	Role of GSK3Î² in behavioral abnormalities induced by serotonin deficiency. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 1333-1338.	7.1	331
32	A Î²-arrestin 2 Signaling Complex Mediates Lithium Action on Behavior. Cell, 2008, 132, 125-136.	28.9	326
33	Dopamine transporters and neuronal injury. Trends in Pharmacological Sciences, 1999, 20, 424-429.	8.7	313
34	Antagonism of dopamine D2 receptor/Î²-arrestin 2 interaction is a common property of clinically effective antipsychotics. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 13656-13661.	7.1	295
35	TAAR1 activation modulates monoaminergic neurotransmission, preventing hyperdopaminergic and hypoglutamatergic activity. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8485-8490.	7.1	287
36	Dopamine Transporter Is Required for In Vivo MPTP Neurotoxicity: Evidence from Mice Lacking the Transporter. Journal of Neurochemistry, 1997, 69, 1322-1325.	3.9	286

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37	THE CONCISE GUIDE TO PHARMACOLOGY 2017/18: Overview. British Journal of Pharmacology, 2017, 174, S1-S16.	5.4	269
38	Dopaminergic Control of Sleepâ€“Wake States. Journal of Neuroscience, 2006, 26, 10577-10589.	3.6	262
39	Rapid Alterations in Corticostriatal Ensemble Coordination during Acute Dopamine-Dependent Motor Dysfunction. Neuron, 2006, 52, 359-369.	8.1	261
40	Behavioral and Neurochemical Effects of Wild-Type and Mutated Human Î±-Synuclein in Transgenic Mice. Experimental Neurology, 2002, 175, 35-48.	4.1	255
41	Trace Amines and Their Receptors. Pharmacological Reviews, 2018, 70, 549-620.	16.0	248
42	Regulation of Akt Signaling by D2 and D3 Dopamine Receptors In Vivo. Journal of Neuroscience, 2007, 27, 881-885.	3.6	245
43	Re-evaluation of the role of the dopamine transporter in dopamine system homeostasis1Published on the World Wide Web on 27 January 1998.1. Brain Research Reviews, 1998, 26, 148-153.	9.0	239
44	Role of Dopamine Transporter in Methamphetamine-Induced Neurotoxicity: Evidence from Mice Lacking the Transporter. Journal of Neuroscience, 1998, 18, 4861-4869.	3.6	235
45	Loss of autoreceptor functions in mice lacking the dopamine transporter. Nature Neuroscience, 1999, 2, 649-655.	14.8	235
46	Hyperactivity, elevated dopaminergic transmission, and response to amphetamine in M1 muscarinic acetylcholine receptor-deficient mice. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 15312-15317.	7.1	235
47	Increased Methamphetamine Neurotoxicity in Heterozygous Vesicular Monoamine Transporter 2 Knock-Out Mice. Journal of Neuroscience, 1999, 19, 2424-2431.	3.6	229
48	The Concise Guide to PHARMACOLOGY 2015/16: Overview. British Journal of Pharmacology, 2015, 172, 5729-5743.	5.4	220
49	Functional hyperdopaminergia in dopamine transporter knock-out mice. Biological Psychiatry, 1999, 46, 303-311.	1.3	216
50	Dopaminergic Supersensitivity in G Protein-Coupled Receptor Kinase 6-Deficient Mice. Neuron, 2003, 38, 291-303.	8.1	208
51	Mice Deficient for the Vesicular Acetylcholine Transporter Are Myasthenic and Have Deficits in Object and Social Recognition. Neuron, 2006, 51, 601-612.	8.1	208
52	Enhanced Rewarding Properties of Morphine, but not Cocaine, in Î²arrestin-2 Knock-Out Mice. Journal of Neuroscience, 2003, 23, 10265-10273.	3.6	203
53	Genetic animal models: focus on schizophrenia. Trends in Neurosciences, 2001, 24, 527-533.	8.6	197
54	Anterior Pituitary Hypoplasia and Dwarfism in Mice Lacking the Dopamine Transporter. Neuron, 1997, 19, 127-138.	8.1	192

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55	The Concise Guide to PHARMACOLOGY 2015/16: Transporters. British Journal of Pharmacology, 2015, 172, 6110-6202.	5.4	190
56	Muscarinic Supersensitivity and Impaired Receptor Desensitization in G Proteinâ€“Coupled Receptor Kinase 5â€“Deficient Mice. Neuron, 1999, 24, 1029-1036.	8.1	180
57	Social Context-Dependent Singing-Regulated Dopamine. Journal of Neuroscience, 2006, 26, 9010-9014.	3.6	176
58	The Concise Guide to PHARMACOLOGY 2015/16: Voltageâ€gated ion channels. British Journal of Pharmacology, 2015, 172, 5904-5941.	5.4	176
59	Functional Interaction between Trace Amine-Associated Receptor 1 and Dopamine D2 Receptor. Molecular Pharmacology, 2011, 80, 416-425.	2.3	175
60	Increased amphetamine-induced hyperactivity and reward in mice overexpressing the dopamine transporter. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 4405-4410.	7.1	170
61	Pharmacology of human trace amine-associated receptors: Therapeutic opportunities and challenges. , 2017, 180, 161-180.		159
62	The Concise Guide to PHARMACOLOGY 2015/16: Catalytic receptors. British Journal of Pharmacology, 2015, 172, 5979-6023.	5.4	158
63	Preferential role of D3 dopamine autoreceptor in regulation of dopamine release but not synthesis in nucleus accumbens and dorsal striatum of freely moving rats. Behavioural Pharmacology, 1995, 6, 74.	1.7	157
64	Trace Amine-Associated Receptor 1 Partial Agonism Reveals Novel Paradigm for Neuropsychiatric Therapeutics. Biological Psychiatry, 2012, 72, 934-942.	1.3	155
65	Glutamatergic modulation of hyperactivity in mice lacking the dopamine transporter. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 11047-11054.	7.1	153
66	Following the trace of elusive amines. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 9474-9475.	7.1	152
67	Dopamine autoreceptor regulation of release and uptake in mouse brain slices in the absence of D3 receptors. Neuroscience, 2002, 112, 39-49.	2.3	152
68	Rapid Conversion of Fibroblasts into Functional Forebrain GABAergic Interneurons by Direct Genetic Reprogramming. Cell Stem Cell, 2015, 17, 719-734.	11.1	152
69	Increased MPTP Neurotoxicity in Vesicular Monoamine Transporter 2 Heterozygote Knockout Mice. Journal of Neurochemistry, 1998, 70, 1973-1978.	3.9	148
70	Pronounced Hyperactivity, Cognitive Dysfunctions, and BDNF Dysregulation in Dopamine Transporter Knock-out Rats. Journal of Neuroscience, 2018, 38, 1959-1972.	3.6	148
71	Sustained elevation of extracellular dopamine causes motor dysfunction and selective degeneration of striatal GABAergic neurons. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 11035-11040.	7.1	135
72	Pharmacological Characterization of Membrane-Expressed Human Trace Amine-Associated Receptor 1 (TAAR1) by a Bioluminescence Resonance Energy Transfer cAMP Biosensor. Molecular Pharmacology, 2008, 74, 585-594.	2.3	135

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73	Taar1-mediated modulation of presynaptic dopaminergic neurotransmission: Role of D2 dopamine autoreceptors. Neuropharmacology, 2014, 81, 283-291.	4.1	133
74	The Concise Guide to PHARMACOLOGY 2015/16: Ligandâ€gated ion channels. British Journal of Pharmacology, 2015, 172, 5870-5903.	5.4	133
75	Monoamine transporter pharmacology and mutant mice. Trends in Pharmacological Sciences, 2002, 23, 367-373.	8.7	122
76	Dopamine-Independent Locomotor Actions of Amphetamines in a Novel Acute Mouse Model of Parkinson Disease. PLoS Biology, 2005, 3, e271.	5.6	122
77	Beyond cAMP: the regulation of Akt and GSK3 by dopamine receptors. Frontiers in Molecular Neuroscience, 2011, 4, 38.	2.9	120
78	Viral infiltration of pancreatic islets in patients with COVID-19. Nature Communications, 2021, 12, 3534.	12.8	120
79	The Selective Serotonin-2A Receptor Antagonist M100907 Reverses Behavioral Deficits in Dopamine Transporter Knockout Mice. Neuropsychopharmacology, 2004, 29, 221-228.	5.4	119
80	The Concise Guide to PHARMACOLOGY 2015/16: Nuclear hormone receptors. British Journal of Pharmacology, 2015, 172, 5956-5978.	5.4	119
81	Increased expression of the dopamine transporter leads to loss of dopamine neurons, oxidative stress and l-DOPA reversible motor deficits. Neurobiology of Disease, 2015, 74, 66-75.	4.4	119
82	Psychedelic Drugs in Biomedicine. Trends in Pharmacological Sciences, 2017, 38, 992-1005.	8.7	113
83	Potentiated Opioid Analgesia in Norepinephrine Transporter Knock-Out Mice. Journal of Neuroscience, 2000, 20, 9040-9045.	3.6	106
84	Remote control of induced dopaminergic neurons in parkinsonian rats. Journal of Clinical Investigation, 2014, 124, 3215-3229.	8.2	104
85	G protein-coupled receptor kinases as regulators of dopamine receptor functions. Pharmacological Research, 2016, 111, 1-16.	7.1	100
86	TAAR1 Modulates Cortical Glutamate NMDA Receptor Function. Neuropsychopharmacology, 2015, 40, 2217-2227.	5.4	98
87	Paradoxical Striatal Cellular Signaling Responses to Psychostimulants in Hyperactive Mice. Journal of Biological Chemistry, 2006, 281, 32072-32080.	3.4	97
88	Dissociation of rewarding and dopamine transporter-mediated properties of amphetamine. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 7781-7786.	7.1	95
89	Trace Amine-Associated Receptors as Emerging Therapeutic Targets: TABLE 1. Molecular Pharmacology, 2009, 76, 229-235.	2.3	95
90	Rod Vision Is Controlled by Dopamine-Dependent Sensitization of Rod Bipolar Cells by GABA. Neuron, 2011, 72, 101-110.	8.1	93

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91	Targeting Î²-arrestin2 in the treatment of <scp>l</scp> -DOPAâ€“induced dyskinesia in Parkinsonâ€™s disease. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2517-26.	7.1	91
92	Correlation between behavior and extracellular dopamine levels in rat striatum: comparison of microdialysis and fast-scan cyclic voltammetry. Neuroscience Letters, 2000, 281, 9-12.	2.1	90
93	The Electroretinogram as a Biomarker of Central Dopamine and Serotonin: Potential Relevance to Psychiatric Disorders. Biological Psychiatry, 2014, 75, 479-486.	1.3	89
94	Postsynaptic D2 dopamine receptor supersensitivity in the striatum of mice lacking TAAR1. Neuropharmacology, 2015, 93, 308-313.	4.1	88
95	BRET biosensors to study GPCR biology, pharmacology, and signal transduction. Frontiers in Endocrinology, 2012, 3, 105.	3.5	87
96	Hyperdopaminergia and NMDA Receptor Hypofunction Disrupt Neural Phase Signaling. Journal of Neuroscience, 2009, 29, 8215-8224.	3.6	86
97	Rapid Generation of Functional Dopaminergic Neurons From Human Induced Pluripotent Stem Cells Through a Single-Step Procedure Using Cell Lineage Transcription Factors. Stem Cells Translational Medicine, 2013, 2, 473-479.	3.3	81
98	G Protein-coupled Receptor Kinase Regulates Dopamine D3 Receptor Signaling by Modulating the Stability of a Receptor-Filamin-Î²-Arrestin Complex. Journal of Biological Chemistry, 2005, 280, 12774-12780.	3.4	80
99	Elimination of the Vesicular Acetylcholine Transporter in the Striatum Reveals Regulation of Behaviour by Cholinergic-Glutamatergic Co-Transmission. PLoS Biology, 2011, 9, e1001194.	5.6	80
100	Quantitation of in vivo measurements with carbon fiber microelectrodes. Journal of Neuroscience Methods, 2000, 95, 95-102.	2.5	78
101	Experimental Genetic Approaches to Addiction. Neuron, 2002, 36, 213-228.	8.1	78
102	Sexual dimorphism in COVID-19: potential clinical and public health implications. Lancet Diabetes and Endocrinology,the, 2022, 10, 221-230.	11.4	78
103	Mice lacking the dopamine transporter display altered regulation of distal colonic motility. American Journal of Physiology - Renal Physiology, 2000, 279, G311-G318.	3.4	77
104	Behavioral Phenotyping of Dopamine Transporter Knockout Rats: Compulsive Traits, Motor Stereotypies, and Anhedonia. Frontiers in Psychiatry, 2018, 9, 43.	2.6	77
105	The Dopamine Metabolite 3-Methoxytyramine Is a Neuromodulator. PLoS ONE, 2010, 5, e13452.	2.5	76
106	Activation of the Trace Amine-Associated Receptor 1 Prevents Relapse to Cocaine Seeking. Neuropsychopharmacology, 2014, 39, 2299-2308.	5.4	75
107	Genetics of Childhood Disorders: XXIV. ADHD, Part 8: Hyperdopaminergic Mice as an Animal Model of ADHD. Journal of the American Academy of Child and Adolescent Psychiatry, 2001, 40, 380-382.	0.5	74
108	Dopamine transporter-dependent and -independent actions of trace amine beta-phenylethylamine. Journal of Neurochemistry, 2004, 91, 362-373.	3.9	74

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109	Functional polymorphisms of the brain serotonin synthesizing enzyme tryptophan hydroxylase-2. Cellular and Molecular Life Sciences, 2006, 63, 6-11.	5.4	73
110	In vivo evidence for preferential role of dopamine D3 receptor in the presynaptic regulation of dopamine release but not synthesis. European Journal of Pharmacology, 1996, 308, 261-269.	3.5	72
111	Genetic approaches to studying norepinephrine function: knockout of the mouse norepinephrine transporter gene. Biological Psychiatry, 1999, 46, 1124-1130.	1.3	72
112	An animal model of attention deficit hyperactivity disorder. Trends in Molecular Medicine, 2000, 6, 43-44.	2.6	72
113	Local Knockdown of Genes in the Brain Using Small Interfering RNA: A Phenotypic Comparison with Knockout Animals. Biological Psychiatry, 2007, 61, 65-69.	1.3	72
114	Gene-dose dependent effects of methamphetamine on interval timing in dopamine-transporter knockout mice. Neuropharmacology, 2012, 62, 1221-1229.	4.1	70
115	Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) and the neuroendocrine stress axis. Molecular Psychiatry, 2020, 25, 1611-1617.	7.9	70
116	Hyperdopaminergic Tone Erodes Prefrontal Long-Term Potential via a D₂Receptor-Operated Protein Phosphatase Gate. Journal of Neuroscience, 2009, 29, 14086-14099.	3.6	68
117	Dopamine transporter mutant mice in experimental neuropharmacology. Naunyn-Schmiedeberg's Archives of Pharmacology, 2008, 377, 301-313.	3.0	67
118	Understanding autism and other neurodevelopmental disorders through experimental translational neurobehavioral models. Neuroscience and Biobehavioral Reviews, 2016, 65, 292-312.	6.1	63
119	Transgenic mouse models for ADHD. Cell and Tissue Research, 2013, 354, 259-271.	2.9	62
120	Dopamine transporter mutant animals: a translational perspective. Journal of Neurogenetics, 2016, 30, 5-15.	1.4	61
121	Human Accelerated Regions and Other Human-Specific Sequence Variations in the Context of Evolution and Their Relevance for Brain Development. Genome Biology and Evolution, 2018, 10, 166-188.	2.5	61
122	Molecular Biology, Pharmacology and Functional Role of the Plasma Membrane Dopamine Transporter. CNS and Neurological Disorders - Drug Targets, 2006, 5, 45-56.	1.4	60
123	Chronic post-COVID-19 syndrome and chronic fatigue syndrome: Is there a role for extracorporeal apheresis?. Molecular Psychiatry, 2022, 27, 34-37.	7.9	59
124	The trace amine-associated receptor 1 modulates methamphetamine's neurochemical and behavioral effects. Frontiers in Neuroscience, 2015, 9, 39.	2.8	57
125	Cross-hemispheric dopamine projections have functional significance. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6985-6990.	7.1	55
126	Dopamine enhances motor and neuropathological consequences of polyglutamine expanded huntingtin. FASEB Journal, 2006, 20, 2541-2543.	0.5	53

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127	Reduced expression of the vesicular acetylcholine transporter causes learning deficits in mice. Genes, Brain and Behavior, 2009, 8, 23-35.	2.2	53
128	Exogenous Â-Synuclein Decreases Raft Partitioning of Cav2.2 Channels Inducing Dopamine Release. Journal of Neuroscience, 2014, 34, 10603-10615.	3.6	53
129	Insights into the Structure and Pharmacology of the Human Trace Amineâ€Associated Receptor 1 (hTAAR1): Homology Modelling and Docking Studies. Chemical Biology and Drug Design, 2013, 81, 509-516.	3.2	52
130	In Vivo Amphetamine Action is Contingent on Î±CaMKII. Neuropsychopharmacology, 2014, 39, 2681-2693.	5.4	51
131	Trace amine-associated receptor 1: a multimodal therapeutic target for neuropsychiatric diseases. Expert Opinion on Therapeutic Targets, 2018, 22, 513-526.	3.4	50
132	Tryptophan hydroxylase 2 genotype determines brain serotonin synthesis but not tissue content in C57Bl/6 and BALB/c congenic mice. Neuroscience Letters, 2010, 481, 6-11.	2.1	49
133	Optogenetically-induced tonic dopamine release from VTA-nucleus accumbens projections inhibits reward consummatory behaviors. Neuroscience, 2016, 333, 54-64.	2.3	48
134	D₁Dopamine Receptor Coupling to PLCÎ² Regulates Forward Locomotion in Mice. Journal of Neuroscience, 2013, 33, 18125-18133.	3.6	46
135	Trace Amine-Associated Receptor 5 Provides Olfactory Input Into Limbic Brain Areas and Modulates Emotional Behaviors and Serotonin Transmission. Frontiers in Molecular Neuroscience, 2020, 13, 18.	2.9	45
136	Trace amine associated receptor 1 and movement control. Parkinsonism and Related Disorders, 2008, 14, S99-S102.	2.2	44
137	MDMA ?ecstasy? alters hyperactive and perseverative behaviors in dopamine transporter knockout mice. Psychopharmacology, 2004, 173, 310-317.	3.1	43
138	Genetic and environmental modulation of neurodevelopmental disorders: Translational insights from labs to beds. Brain Research Bulletin, 2016, 125, 79-91.	3.0	43
139	Genetic NMDA Receptor Deficiency Disrupts Acute and Chronic Effects of Cocaine but not Amphetamine. Neuropsychopharmacology, 2008, 33, 2701-2714.	5.4	42
140	Design, Synthesis, and Evaluation of Thyronamine Analogues as Novel Potent Mouse Trace Amine Associated Receptor 1 (mTAAR1) Agonists. Journal of Medicinal Chemistry, 2015, 58, 5096-5107.	6.4	42
141	Further Insights Into the Pharmacology of the Human Trace Amineâ€Associated Receptors: Discovery of Novel Ligands for <scp>TAAR</scp>1 by a Virtual Screening Approach. Chemical Biology and Drug Design, 2014, 84, 712-720.	3.2	41
142	Effect of tolcapone, a catechol-O-methyltransferase inhibitor, on striatal dopaminergic transmission during blockade of dopamine uptake. European Journal of Pharmacology, 1999, 370, 125-131.	3.5	40
143	Dopamine levels modulate the updating of tastant values. Genes, Brain and Behavior, 2007, 6, 314-320.	2.2	40
144	The Concise Guide to PHARMACOLOGY 2015/16: Other ion channels. British Journal of Pharmacology, 2015, 172, 5942-5955.	5.4	40

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145	Paracrine modulation of cholangiocyte serotonin synthesis orchestrates biliary remodeling in adults. American Journal of Physiology - Renal Physiology, 2011, 300, G303-G315.	3.4	39
146	Chronic SSRI Treatment Exacerbates Serotonin Deficiency in Humanized Tph2 Mutant Mice. ACS Chemical Neuroscience, 2013, 4, 84-88.	3.5	39
147	Noradrenergic Control of Cortico-Striato-Thalamic and Mesolimbic Cross-Structural Synchrony. Journal of Neuroscience, 2010, 30, 6387-6397.	3.6	38
148	Novel biguanide-based derivatives scouted as TAAR1 agonists: Synthesis, biological evaluation, ADME prediction and molecular docking studies. European Journal of Medicinal Chemistry, 2017, 127, 781-792.	5.5	38
149	The Effects of Chronic Amitriptyline on Zebrafish Behavior and Monoamine Neurochemistry. Neurochemical Research, 2018, 43, 1191-1199.	3.3	38
150	Behavioral characterization of DAT-KO rats and evidence of asocial-like phenotypes in DAT-HET rats: The potential involvement of norepinephrine system. Behavioural Brain Research, 2019, 359, 516-527.	2.2	38
151	Adenylyl cyclase activating polypeptide reduces phosphorylation and toxicity of the polyglutamine-expanded androgen receptor in spinobulbar muscular atrophy. Science Translational Medicine, 2016, 8, 370ra181.	12.4	37
152	Reduced D2-mediated signaling activity and trans-synaptic upregulation of D1 and D2 dopamine receptors in mice overexpressing the dopamine transporter. Cellular Signalling, 2009, 21, 87-94.	3.6	36
153	Morphine-induced physiological and behavioral responses in mice lacking G protein-coupled receptor kinase 6. Drug and Alcohol Dependence, 2009, 104, 187-196.	3.2	36
154	Effects of acute and chronic arecoline in adult zebrafish: Anxiolytic-like activity, elevated brain monoamines and the potential role of microglia. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 104, 109977.	4.8	36
155	Dopamine D2 and D3 receptor preferring antagonists differentially affect striatal dopamine release and metabolism in conscious rats. European Journal of Pharmacology, 1994, 261, 327-331.	3.5	35
156	Dopamine turnover in the mediobasal hypothalamus in rat fetuses. Neuroscience, 1999, 89, 235-241.	2.3	35
157	G Protein-Coupled Receptor Kinase/Î²-Arrestin Systems and Drugs of Abuse: Psychostimulant and Opiate Studies in Knockout Mice. NeuroMolecular Medicine, 2004, 5, 041-050.	3.4	35
158	TAAR1-dependent effects of apomorphine in mice. International Journal of Neuropsychopharmacology, 2014, 17, 1683-1693.	2.1	35
159	Characterization of conditioned place preference to cocaine in congenic dopamine transporter knockout female mice. Psychopharmacology, 2005, 180, 408-413.	3.1	34
160	Presynaptic dopaminergic function is largely unaltered in mesolimbic and mesostriatal terminals of adult rats that were prenatally exposed to cocaine. Brain Research, 2003, 961, 63-72.	2.2	33
161	Increased context-dependent conditioning to amphetamine in mice lacking TAAR1. Pharmacological Research, 2016, 103, 206-214.	7.1	33
162	A Regulatory Domain in the N Terminus of Tryptophan Hydroxylase 2 Controls Enzyme Expression. Journal of Biological Chemistry, 2008, 283, 13216-13224.	3.4	32

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163	Long-term optical stimulation of channelrhodopsin-expressing neurons to study network plasticity. Frontiers in Molecular Neuroscience, 2013, 6, 22.	2.9	32
164	In-vivo pharmacology of Trace-Amine Associated Receptor 1. European Journal of Pharmacology, 2015, 763, 136-142.	3.5	32
165	Interplay between the key proteins of serotonin system in SSRI antidepressants efficacy. Expert Opinion on Therapeutic Targets, 2018, 22, 319-330.	3.4	32
166	Implanted reuptake-deficient or wild-type dopaminergic neurons improve ON l-dopa dyskinesias without OFF-dyskinesias in a rat model of Parkinson's disease. Brain, 2008, 131, 3361-3379.	7.6	30
167	A homology modelling-driven study leading to the discovery of the first mouse trace amine-associated receptor 5 (TAAR5) antagonists. MedChemComm, 2016, 7, 353-364.	3.4	30
168	Role of Dopamine D2/D3 Receptors in Development, Plasticity, and Neuroprotection in Human iPSC-Derived Midbrain Dopaminergic Neurons. Molecular Neurobiology, 2018, 55, 1054-1067.	4.0	30
169	Altered Sexual Behavior in Dopamine Transporter (DAT) Knockout Male Rats: A Behavioral, Neurochemical and Intracerebral Microdialysis Study. Frontiers in Behavioral Neuroscience, 2020, 14, 58.	2.0	30
170	Rational design, chemical synthesis and biological evaluation of novel biguanides exploring species-specificity responsiveness of TAAR1 agonists. European Journal of Medicinal Chemistry, 2018, 146, 171-184.	5.5	28
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