

Raul R Gainetdinov

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300
papers

29,694
citations

83
h-index

169
g-index

338
ext. papers

33,119
ext. citations

7.3
avg, IF

7.07
L-index

#	Paper	IF	Citations
300	The physiology, signaling, and pharmacology of dopamine receptors. <i>Pharmacological Reviews</i> , 2011 , 63, 182-217	22.5	1668
299	Mice with reduced NMDA receptor expression display behaviors related to schizophrenia. <i>Cell</i> , 1999 , 98, 427-36	56.2	882
298	Enhanced morphine analgesia in mice lacking beta-arrestin 2. <i>Science</i> , 1999 , 286, 2495-8	33.3	815
297	An Akt/beta-arrestin 2/PP2A signaling complex mediates dopaminergic neurotransmission and behavior. <i>Cell</i> , 2005 , 122, 261-73	56.2	787
296	Direct generation of functional dopaminergic neurons from mouse and human fibroblasts. <i>Nature</i> , 2011 , 476, 224-7	50.4	784
295	Plasma membrane monoamine transporters: structure, regulation and function. <i>Nature Reviews Neuroscience</i> , 2003 , 4, 13-25	13.5	735
294	Mu-opioid receptor desensitization by beta-arrestin-2 determines morphine tolerance but not dependence. <i>Nature</i> , 2000 , 408, 720-3	50.4	709
293	Role of serotonin in the paradoxical calming effect of psychostimulants on hyperactivity. <i>Science</i> , 1999 , 283, 397-401	33.3	702
292	Desensitization of G protein-coupled receptors and neuronal functions. <i>Annual Review of Neuroscience</i> , 2004 , 27, 107-44	17	677
291	Lithium antagonizes dopamine-dependent behaviors mediated by an AKT/glycogen synthase kinase 3 signaling cascade. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 5099-104	11.5	668
290	Profound neuronal plasticity in response to inactivation of the dopamine transporter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 4029-34	11.5	547
289	The Concise Guide to PHARMACOLOGY 2015/16: Enzymes. <i>British Journal of Pharmacology</i> , 2015 , 172, 6024-109	8.6	515
288	Tryptophan hydroxylase-2 controls brain serotonin synthesis. <i>Science</i> , 2004 , 305, 217	33.3	497
287	Mechanisms of amphetamine action revealed in mice lacking the dopamine transporter. <i>Journal of Neuroscience</i> , 1998 , 18, 1979-86	6.6	478
286	The Concise Guide to PHARMACOLOGY 2015/16: G protein-coupled receptors. <i>British Journal of Pharmacology</i> , 2015 , 172, 5744-869	8.6	475
285	Akt/GSK3 signaling in the action of psychotropic drugs. <i>Annual Review of Pharmacology and Toxicology</i> , 2009 , 49, 327-47	17.9	439
284	Hyperactivity and impaired response habituation in hyperdopaminergic mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 1982-7	11.5	426

283	Conditional calcineurin knockout mice exhibit multiple abnormal behaviors related to schizophrenia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 8987-92	11.5	409
282	Cocaine self-administration in dopamine-transporter knockout mice. <i>Nature Neuroscience</i> , 1998 , 1, 132-7	25.5	408
281	THE CONCISE GUIDE TO PHARMACOLOGY 2019/20: G protein-coupled receptors. <i>British Journal of Pharmacology</i> , 2019 , 176 Suppl 1, S21-S141	8.6	391
280	Physiological roles of G protein-coupled receptor kinases and arrestins. <i>Annual Review of Physiology</i> , 2007 , 69, 511-34	23.1	391
279	Mice lacking the norepinephrine transporter are supersensitive to psychostimulants. <i>Nature Neuroscience</i> , 2000 , 3, 465-71	25.5	383
278	Loss-of-function mutation in tryptophan hydroxylase-2 identified in unipolar major depression. <i>Neuron</i> , 2005 , 45, 11-6	13.9	365
277	The Akt-GSK-3 signaling cascade in the actions of dopamine. <i>Trends in Pharmacological Sciences</i> , 2007 , 28, 166-72	13.2	325
276	Food reward in the absence of taste receptor signaling. <i>Neuron</i> , 2008 , 57, 930-41	13.9	314
275	Monoamine transporters: from genes to behavior. <i>Annual Review of Pharmacology and Toxicology</i> , 2003 , 43, 261-84	17.9	309
274	Identification of PSD-95 as a regulator of dopamine-mediated synaptic and behavioral plasticity. <i>Neuron</i> , 2004 , 41, 625-38	13.9	305
273	Knockout of the vesicular monoamine transporter 2 gene results in neonatal death and supersensitivity to cocaine and amphetamine. <i>Neuron</i> , 1997 , 19, 1285-96	13.9	302
272	Role of GSK3 beta in behavioral abnormalities induced by serotonin deficiency. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 1333-8	11.5	292
271	A beta-arrestin 2 signaling complex mediates lithium action on behavior. <i>Cell</i> , 2008 , 132, 125-36	56.2	286
270	Dopamine receptors - IUPHAR Review 13. <i>British Journal of Pharmacology</i> , 2015 , 172, 1-23	8.6	283
269	Dopamine transporters and neuronal injury. <i>Trends in Pharmacological Sciences</i> , 1999 , 20, 424-9	13.2	276
268	Antagonism of dopamine D2 receptor/beta-arrestin 2 interaction is a common property of clinically effective antipsychotics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 13656-61	11.5	261
267	Dopamine transporter is required for in vivo MPTP neurotoxicity: evidence from mice lacking the transporter. <i>Journal of Neurochemistry</i> , 1997 , 69, 1322-5	6	258
266	Rapid alterations in corticostriatal ensemble coordination during acute dopamine-dependent motor dysfunction. <i>Neuron</i> , 2006 , 52, 359-69	13.9	232

265	THE CONCISE GUIDE TO PHARMACOLOGY 2017/18: Overview. <i>British Journal of Pharmacology</i> , 2017 , 174 Suppl 1, S1-S16	8.6	231
264	TAAR1 activation modulates monoaminergic neurotransmission, preventing hyperdopaminergic and hypoglutamatergic activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 8485-90	11.5	225
263	Behavioral and neurochemical effects of wild-type and mutated human alpha-synuclein in transgenic mice. <i>Experimental Neurology</i> , 2002 , 175, 35-48	5.7	219
262	Role of dopamine transporter in methamphetamine-induced neurotoxicity: evidence from mice lacking the transporter. <i>Journal of Neuroscience</i> , 1998 , 18, 4861-9	6.6	218
261	Regulation of Akt signaling by D2 and D3 dopamine receptors in vivo. <i>Journal of Neuroscience</i> , 2007 , 27, 881-5	6.6	217
260	Increased methamphetamine neurotoxicity in heterozygous vesicular monoamine transporter 2 knock-out mice. <i>Journal of Neuroscience</i> , 1999 , 19, 2424-31	6.6	216
259	Dopaminergic control of sleep-wake states. <i>Journal of Neuroscience</i> , 2006 , 26, 10577-89	6.6	213
258	Loss of autoreceptor functions in mice lacking the dopamine transporter. <i>Nature Neuroscience</i> , 1999 , 2, 649-55	25.5	211
257	The Concise Guide to PHARMACOLOGY 2015/16: Overview. <i>British Journal of Pharmacology</i> , 2015 , 172, 5729-43	8.6	207
256	Hyperactivity, elevated dopaminergic transmission, and response to amphetamine in M1 muscarinic acetylcholine receptor-deficient mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 15312-7	11.5	207
255	Re-evaluation of the role of the dopamine transporter in dopamine system homeostasis. <i>Brain Research Reviews</i> , 1998 , 26, 148-53		200
254	Dopaminergic supersensitivity in G protein-coupled receptor kinase 6-deficient mice. <i>Neuron</i> , 2003 , 38, 291-303	13.9	194
253	Mice deficient for the vesicular acetylcholine transporter are myasthenic and have deficits in object and social recognition. <i>Neuron</i> , 2006 , 51, 601-12	13.9	186
252	The Concise Guide to PHARMACOLOGY 2015/16: Transporters. <i>British Journal of Pharmacology</i> , 2015 , 172, 6110-202	8.6	180
251	Functional hyperdopaminergia in dopamine transporter knock-out mice. <i>Biological Psychiatry</i> , 1999 , 46, 303-11	7.9	180
250	Genetic animal models: focus on schizophrenia. <i>Trends in Neurosciences</i> , 2001 , 24, 527-33	13.3	178
249	Anterior pituitary hypoplasia and dwarfism in mice lacking the dopamine transporter. <i>Neuron</i> , 1997 , 19, 127-38	13.9	176
248	Muscarinic supersensitivity and impaired receptor desensitization in G protein-coupled receptor kinase 5-deficient mice. <i>Neuron</i> , 1999 , 24, 1029-36	13.9	168

247	Enhanced rewarding properties of morphine, but not cocaine, in beta(arrestin)-2 knock-out mice. <i>Journal of Neuroscience</i> , 2003 , 23, 10265-73	6.6	167
246	The Concise Guide to PHARMACOLOGY 2015/16: Voltage-gated ion channels. <i>British Journal of Pharmacology</i> , 2015 , 172, 5904-41	8.6	164
245	Preferential role of D3 dopamine autoreceptor in regulation of dopamine release but not synthesis in nucleus accumbens and dorsal striatum of freely moving rats. <i>Behavioural Pharmacology</i> , 1995 , 6, 74	2.4	152
244	The Concise Guide to PHARMACOLOGY 2015/16: Catalytic receptors. <i>British Journal of Pharmacology</i> , 2015 , 172, 5979-6023	8.6	151
243	Social context-dependent singing-regulated dopamine. <i>Journal of Neuroscience</i> , 2006 , 26, 9010-4	6.6	151
242	Increased amphetamine-induced hyperactivity and reward in mice overexpressing the dopamine transporter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 4405-10	11.5	139
241	Dopamine autoreceptor regulation of release and uptake in mouse brain slices in the absence of D(3) receptors. <i>Neuroscience</i> , 2002 , 112, 39-49	3.9	138
240	Increased MPTP neurotoxicity in vesicular monoamine transporter 2 heterozygote knockout mice. <i>Journal of Neurochemistry</i> , 1998 , 70, 1973-8	6	135
239	Glutamatergic modulation of hyperactivity in mice lacking the dopamine transporter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 11047-54	11.5	135
238	Trace Amines and Their Receptors. <i>Pharmacological Reviews</i> , 2018 , 70, 549-620	22.5	135
237	The Concise Guide to PHARMACOLOGY 2015/16: Ligand-gated ion channels. <i>British Journal of Pharmacology</i> , 2015 , 172, 5870-903	8.6	128
236	Following the trace of elusive amines. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 9474-5	11.5	128
235	Functional interaction between trace amine-associated receptor 1 and dopamine D2 receptor. <i>Molecular Pharmacology</i> , 2011 , 80, 416-25	4.3	125
234	Sustained elevation of extracellular dopamine causes motor dysfunction and selective degeneration of striatal GABAergic neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 11035-40	11.5	119
233	Trace amine-associated receptor 1 partial agonism reveals novel paradigm for neuropsychiatric therapeutics. <i>Biological Psychiatry</i> , 2012 , 72, 934-42	7.9	115
232	The Concise Guide to PHARMACOLOGY 2015/16: Nuclear hormone receptors. <i>British Journal of Pharmacology</i> , 2015 , 172, 5956-78	8.6	114
231	The selective serotonin-2A receptor antagonist M100907 reverses behavioral deficits in dopamine transporter knockout mice. <i>Neuropsychopharmacology</i> , 2004 , 29, 221-8	8.7	112
230	Rapid Conversion of Fibroblasts into Functional Forebrain GABAergic Interneurons by Direct Genetic Reprogramming. <i>Cell Stem Cell</i> , 2015 , 17, 719-734	18	111

229	Pharmacological characterization of membrane-expressed human trace amine-associated receptor 1 (TAAR1) by a bioluminescence resonance energy transfer cAMP biosensor. <i>Molecular Pharmacology</i> , 2008 , 74, 585-594	4.3	104
228	Pharmacology of human trace amine-associated receptors: Therapeutic opportunities and challenges. <i>Pharmacology & Therapeutics</i> , 2017 , 180, 161-180	13.9	103
227	Monoamine transporter pharmacology and mutant mice. <i>Trends in Pharmacological Sciences</i> , 2002 , 23, 367-73	13.2	103
226	Beyond cAMP: The Regulation of Akt and GSK3 by Dopamine Receptors. <i>Frontiers in Molecular Neuroscience</i> , 2011 , 4, 38	6.1	101
225	Dopamine-independent locomotor actions of amphetamines in a novel acute mouse model of Parkinson disease. <i>PLoS Biology</i> , 2005 , 3, e271	9.7	99
224	Taar1-mediated modulation of presynaptic dopaminergic neurotransmission: role of D2 dopamine autoreceptors. <i>Neuropharmacology</i> , 2014 , 81, 283-91	5.5	98
223	Potentiated opioid analgesia in norepinephrine transporter knock-out mice. <i>Journal of Neuroscience</i> , 2000 , 20, 9040-5	6.6	97
222	Increased expression of the dopamine transporter leads to loss of dopamine neurons, oxidative stress and L-DOPA reversible motor deficits. <i>Neurobiology of Disease</i> , 2015 , 74, 66-75	7.5	91
221	Remote control of induced dopaminergic neurons in parkinsonian rats. <i>Journal of Clinical Investigation</i> , 2014 , 124, 3215-29	15.9	88
220	Paradoxical striatal cellular signaling responses to psychostimulants in hyperactive mice. <i>Journal of Biological Chemistry</i> , 2006 , 281, 32072-80	5.4	86
219	Dissociation of rewarding and dopamine transporter-mediated properties of amphetamine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 7781-6	11.5	86
218	Pronounced Hyperactivity, Cognitive Dysfunctions, and BDNF Dysregulation in Dopamine Transporter Knock-out Rats. <i>Journal of Neuroscience</i> , 2018 , 38, 1959-1972	6.6	82
217	Rod vision is controlled by dopamine-dependent sensitization of rod bipolar cells by GABA. <i>Neuron</i> , 2011 , 72, 101-10	13.9	81
216	Correlation between behavior and extracellular dopamine levels in rat striatum: comparison of microdialysis and fast-scan cyclic voltammetry. <i>Neuroscience Letters</i> , 2000 , 281, 9-12	3.3	80
215	Trace amine-associated receptors as emerging therapeutic targets. <i>Molecular Pharmacology</i> , 2009 , 76, 229-35	4.3	77
214	Psychedelic Drugs in Biomedicine. <i>Trends in Pharmacological Sciences</i> , 2017 , 38, 992-1005	13.2	75
213	Hyperdopaminergia and NMDA receptor hypofunction disrupt neural phase signaling. <i>Journal of Neuroscience</i> , 2009 , 29, 8215-24	6.6	75
212	G protein-coupled receptor kinase regulates dopamine D3 receptor signaling by modulating the stability of a receptor-filamin-beta-arrestin complex. A case of autoreceptor regulation. <i>Journal of Biological Chemistry</i> , 2005 , 280, 12774-80	5.4	75

211	TAAR1 Modulates Cortical Glutamate NMDA Receptor Function. <i>Neuropsychopharmacology</i> , 2015 , 40, 2217-27	8.7	74
210	Elimination of the vesicular acetylcholine transporter in the striatum reveals regulation of behaviour by cholinergic-glutamatergic co-transmission. <i>PLoS Biology</i> , 2011 , 9, e1001194	9.7	74
209	G protein-coupled receptor kinases as regulators of dopamine receptor functions. <i>Pharmacological Research</i> , 2016 , 111, 1-16	10.2	74
208	Targeting β arrestin2 in the treatment of L-DOPA-induced dyskinesia in Parkinson's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E2517-26	11.5	73
207	Experimental genetic approaches to addiction. <i>Neuron</i> , 2002 , 36, 213-28	13.9	71
206	Rapid generation of functional dopaminergic neurons from human induced pluripotent stem cells through a single-step procedure using cell lineage transcription factors. <i>Stem Cells Translational Medicine</i> , 2013 , 2, 473-9	6.9	70
205	Quantitation of in vivo measurements with carbon fiber microelectrodes. <i>Journal of Neuroscience Methods</i> , 2000 , 95, 95-102	3	70
204	Local knockdown of genes in the brain using small interfering RNA: a phenotypic comparison with knockout animals. <i>Biological Psychiatry</i> , 2007 , 61, 65-9	7.9	67
203	Functional polymorphisms of the brain serotonin synthesizing enzyme tryptophan hydroxylase-2. <i>Cellular and Molecular Life Sciences</i> , 2006 , 63, 6-11	10.3	67
202	Postsynaptic D2 dopamine receptor supersensitivity in the striatum of mice lacking TAAR1. <i>Neuropharmacology</i> , 2015 , 93, 308-13	5.5	66
201	BRET biosensors to study GPCR biology, pharmacology, and signal transduction. <i>Frontiers in Endocrinology</i> , 2012 , 3, 105	5.7	65
200	Dopamine transporter-dependent and -independent actions of trace amine beta-phenylethylamine. <i>Journal of Neurochemistry</i> , 2004 , 91, 362-73	6	65
199	In vivo evidence for preferential role of dopamine D3 receptor in the presynaptic regulation of dopamine release but not synthesis. <i>European Journal of Pharmacology</i> , 1996 , 308, 261-9	5.3	65
198	The electroretinogram as a biomarker of central dopamine and serotonin: potential relevance to psychiatric disorders. <i>Biological Psychiatry</i> , 2014 , 75, 479-86	7.9	64
197	Genetic approaches to studying norepinephrine function: knockout of the mouse norepinephrine transporter gene. <i>Biological Psychiatry</i> , 1999 , 46, 1124-30	7.9	64
196	An animal model of attention deficit hyperactivity disorder. <i>Trends in Molecular Medicine</i> , 2000 , 6, 43-4		63
195	Dopamine transporter mutant mice in experimental neuropharmacology. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2008 , 377, 301-13	3.4	62
194	Activation of the trace amine-associated receptor 1 prevents relapse to cocaine seeking. <i>Neuropsychopharmacology</i> , 2014 , 39, 2299-308	8.7	61

193	Genetics of childhood disorders: XXIV. ADHD, part 8: hyperdopaminergic mice as an animal model of ADHD. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2001 , 40, 380-2	7.2	60
192	Gene-dose dependent effects of methamphetamine on interval timing in dopamine-transporter knockout mice. <i>Neuropharmacology</i> , 2012 , 62, 1221-9	5.5	59
191	The dopamine metabolite 3-methoxytyramine is a neuromodulator. <i>PLoS ONE</i> , 2010 , 5, e13452	3.7	58
190	Molecular biology, pharmacology and functional role of the plasma membrane dopamine transporter. <i>CNS and Neurological Disorders - Drug Targets</i> , 2006 , 5, 45-56	2.6	55
189	Mice lacking the dopamine transporter display altered regulation of distal colonic motility. <i>American Journal of Physiology - Renal Physiology</i> , 2000 , 279, G311-8	5.1	55
188	Dopamine enhances motor and neuropathological consequences of polyglutamine expanded huntingtin. <i>FASEB Journal</i> , 2006 , 20, 2541-3	0.9	52
187	Behavioral Phenotyping of Dopamine Transporter Knockout Rats: Compulsive Traits, Motor Stereotypies, and Anhedonia. <i>Frontiers in Psychiatry</i> , 2018 , 9, 43	5	49
186	The trace amine-associated receptor 1 modulates methamphetamine's neurochemical and behavioral effects. <i>Frontiers in Neuroscience</i> , 2015 , 9, 39	5.1	49
185	Hyperdopaminergic tone erodes prefrontal long-term potential via a D2 receptor-operated protein phosphatase gate. <i>Journal of Neuroscience</i> , 2009 , 29, 14086-99	6.6	49
184	Cross-hemispheric dopamine projections have functional significance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 6985-90	11.5	48
183	Transgenic mouse models for ADHD. <i>Cell and Tissue Research</i> , 2013 , 354, 259-71	4.2	47
182	Reduced expression of the vesicular acetylcholine transporter causes learning deficits in mice. <i>Genes, Brain and Behavior</i> , 2009 , 8, 23-35	3.6	46
181	THE CONCISE GUIDE TO PHARMACOLOGY 2021/22: G protein-coupled receptors. <i>British Journal of Pharmacology</i> , 2021 , 178 Suppl 1, S27-S156	8.6	46
180	Insights into the structure and pharmacology of the human trace amine-associated receptor 1 (hTAAR1): homology modelling and docking studies. <i>Chemical Biology and Drug Design</i> , 2013 , 81, 509-16 ^{2.9}	2.9	43
179	Understanding autism and other neurodevelopmental disorders through experimental translational neurobehavioral models. <i>Neuroscience and Biobehavioral Reviews</i> , 2016 , 65, 292-312	9	43
178	Exogenous β synuclein decreases raft partitioning of Cav2.2 channels inducing dopamine release. <i>Journal of Neuroscience</i> , 2014 , 34, 10603-15	6.6	41
177	Tryptophan hydroxylase 2 genotype determines brain serotonin synthesis but not tissue content in C57Bl/6 and BALB/c congenic mice. <i>Neuroscience Letters</i> , 2010 , 481, 6-11	3.3	40
176	Trace amine associated receptor 1 and movement control. <i>Parkinsonism and Related Disorders</i> , 2008 , 14 Suppl 2, S99-102	3.6	40

175	Genetic NMDA receptor deficiency disrupts acute and chronic effects of cocaine but not amphetamine. <i>Neuropsychopharmacology</i> , 2008 , 33, 2701-14	8.7	40
174	Optogenetically-induced tonic dopamine release from VTA-nucleus accumbens projections inhibits reward consummatory behaviors. <i>Neuroscience</i> , 2016 , 333, 54-64	3.9	38
173	The Concise Guide to PHARMACOLOGY 2015/16: Other ion channels. <i>British Journal of Pharmacology</i> , 2015 , 172, 5942-55	8.6	38
172	D1 dopamine receptor coupling to PLC β regulates forward locomotion in mice. <i>Journal of Neuroscience</i> , 2013 , 33, 18125-33	6.6	38
171	In vivo amphetamine action is contingent on α 2MKII. <i>Neuropsychopharmacology</i> , 2014 , 39, 2681-93	8.7	37
170	Dopamine levels modulate the updating of tastant values. <i>Genes, Brain and Behavior</i> , 2007 , 6, 314-20	3.6	36
169	Effect of tolcapone, a catechol-O-methyltransferase inhibitor, on striatal dopaminergic transmission during blockade of dopamine uptake. <i>European Journal of Pharmacology</i> , 1999 , 370, 125-31	5.3	36
168	Viral infiltration of pancreatic islets in patients with COVID-19. <i>Nature Communications</i> , 2021 , 12, 3534	17.4	34
167	Dopamine transporter mutant animals: a translational perspective. <i>Journal of Neurogenetics</i> , 2016 , 30, 5-15	1.6	33
166	The Effects of Chronic Amitriptyline on Zebrafish Behavior and Monoamine Neurochemistry. <i>Neurochemical Research</i> , 2018 , 43, 1191-1199	4.6	33
165	Genetic and environmental modulation of neurodevelopmental disorders: Translational insights from labs to beds. <i>Brain Research Bulletin</i> , 2016 , 125, 79-91	3.9	33
164	Further insights into the pharmacology of the human trace amine-associated receptors: discovery of novel ligands for TAAR1 by a virtual screening approach. <i>Chemical Biology and Drug Design</i> , 2014 , 84, 712-20	2.9	32
163	Chronic SSRI treatment exacerbates serotonin deficiency in humanized Tph2 mutant mice. <i>ACS Chemical Neuroscience</i> , 2013 , 4, 84-8	5.7	32
162	Paracrine modulation of cholangiocyte serotonin synthesis orchestrates biliary remodeling in adults. <i>American Journal of Physiology - Renal Physiology</i> , 2011 , 300, G303-15	5.1	32
161	Presynaptic dopaminergic function is largely unaltered in mesolimbic and mesostriatal terminals of adult rats that were prenatally exposed to cocaine. <i>Brain Research</i> , 2003 , 961, 63-72	3.7	32
160	Dopamine D2 and D3 receptor preferring antagonists differentially affect striatal dopamine release and metabolism in conscious rats. <i>European Journal of Pharmacology</i> , 1994 , 261, 327-31	5.3	32
159	Trace amine-associated receptor 1: a multimodal therapeutic target for neuropsychiatric diseases. <i>Expert Opinion on Therapeutic Targets</i> , 2018 , 22, 513-526	6.4	32
158	Human Accelerated Regions and Other Human-Specific Sequence Variations in the Context of Evolution and Their Relevance for Brain Development. <i>Genome Biology and Evolution</i> , 2018 , 10, 166-188	3.9	31

157	Design, Synthesis, and Evaluation of Thyronamine Analogues as Novel Potent Mouse Trace Amine Associated Receptor 1 (mTAAR1) Agonists. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 5096-107	8.3	31
156	Morphine-induced physiological and behavioral responses in mice lacking G protein-coupled receptor kinase 6. <i>Drug and Alcohol Dependence</i> , 2009 , 104, 187-96	4.9	31
155	MDMA "ecstasy" alters hyperactive and perseverative behaviors in dopamine transporter knockout mice. <i>Psychopharmacology</i> , 2004 , 173, 310-7	4.7	31
154	Trace Amine-Associated Receptor 5 Provides Olfactory Input Into Limbic Brain Areas and Modulates Emotional Behaviors and Serotonin Transmission. <i>Frontiers in Molecular Neuroscience</i> , 2020 , 13, 18	6.1	30
153	TAAR1-dependent effects of apomorphine in mice. <i>International Journal of Neuropsychopharmacology</i> , 2014 , 17, 1683-93	5.8	30
152	Noradrenergic control of cortico-striato-thalamic and mesolimbic cross-structural synchrony. <i>Journal of Neuroscience</i> , 2010 , 30, 6387-97	6.6	30
151	G protein-coupled receptor kinase/beta-arrestin systems and drugs of abuse: psychostimulant and opiate studies in knockout mice. <i>NeuroMolecular Medicine</i> , 2004 , 5, 41-50	4.6	30
150	Dopamine turnover in the mediobasal hypothalamus in rat fetuses. <i>Neuroscience</i> , 1999 , 89, 235-41	3.9	30
149	Long-term optical stimulation of channelrhodopsin-expressing neurons to study network plasticity. <i>Frontiers in Molecular Neuroscience</i> , 2013 , 6, 22	6.1	29
148	Reduced D2-mediated signaling activity and trans-synaptic upregulation of D1 and D2 dopamine receptors in mice overexpressing the dopamine transporter. <i>Cellular Signalling</i> , 2009 , 21, 87-94	4.9	29
147	Characterization of conditioned place preference to cocaine in congenic dopamine transporter knockout female mice. <i>Psychopharmacology</i> , 2005 , 180, 408-13	4.7	29
146	Implanted reuptake-deficient or wild-type dopaminergic neurons improve ON L-dopa dyskinesias without OFF-dyskinesias in a rat model of Parkinson's disease. <i>Brain</i> , 2008 , 131, 3361-79	11.2	28
145	A regulatory domain in the N terminus of tryptophan hydroxylase 2 controls enzyme expression. <i>Journal of Biological Chemistry</i> , 2008 , 283, 13216-24	5.4	27
144	In-vivo pharmacology of Trace-Amine Associated Receptor 1. <i>European Journal of Pharmacology</i> , 2015 , 763, 136-42	5.3	25
143	A homology modelling-driven study leading to the discovery of the first mouse trace amine-associated receptor 5 (TAAR5) antagonists. <i>MedChemComm</i> , 2016 , 7, 353-364	5	25
142	Response to Zhang et al. (2005): loss-of-function mutation in tryptophan hydroxylase-2 identified in unipolar major depression. <i>Neuron</i> 45, 11-16. <i>Neuron</i> , 2005 , 48, 702-3; author reply 705-6	13.9	25
141	Novel biguanide-based derivatives scouted as TAAR1 agonists: Synthesis, biological evaluation, ADME prediction and molecular docking studies. <i>European Journal of Medicinal Chemistry</i> , 2017 , 127, 781-792	6.8	24
140	Reply: receptor specificity of G-protein-coupled receptor kinases. <i>Trends in Pharmacological Sciences</i> , 2000 , 21, 366-7	13.2	24

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