

# Gregory M Miller

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

3,653  
citations

159585

30  
h-index

128289

60  
g-index

63  
all docs

63  
docs citations

63  
times ranked

4453  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Dopamine Transporter and Attention-Deficit/Hyperactivity Disorder. <i>Biological Psychiatry</i> , 2005, 57, 1397-1409.	1.3	329
2	Modafinil Occupies Dopamine and Norepinephrine Transporters in Vivo and Modulates the Transporters and Trace Amine Activity in Vitro. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 319, 561-569.	2.5	304
3	Biogeography of the Intestinal Mucosal and Luminal Microbiome in the Rhesus Macaque. <i>Cell Host and Microbe</i> , 2015, 17, 385-391.	11.0	273
4	The emerging role of trace amine-associated receptor 1 in the functional regulation of monoamine transporters and dopaminergic activity. <i>Journal of Neurochemistry</i> , 2011, 116, 164-176.	3.9	196
5	Balancing selection and the evolution of functional polymorphism in Old World monkey TRIM5 $\Delta$ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 19134-19139.	7.1	149
6	MDMA (Ecstasy) and human dopamine, norepinephrine, and serotonin transporters: implications for MDMA-induced neurotoxicity and treatment. <i>Psychopharmacology</i> , 2006, 189, 489-503.	3.1	145
7	Trace Amine-Associated Receptor 1 Is a Modulator of the Dopamine Transporter. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 321, 128-136.	2.5	117
8	Primate Trace Amine Receptor 1 Modulation by the Dopamine Transporter. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 313, 983-994.	2.5	106
9	Functional characterization of the human TPH2 5' regulatory region: untranslated region and polymorphisms modulate gene expression in vitro. <i>Human Genetics</i> , 2008, 122, 645-657.	3.8	106
10	Rhesus Monkey Trace Amine-Associated Receptor 1 Signaling: Enhancement by Monoamine Transporters and Attenuation by the D2 Autoreceptor in Vitro. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 321, 116-127.	2.5	103
11	Analysis of copy number variation in the rhesus macaque genome identifies candidate loci for evolutionary and human disease studies. <i>Human Molecular Genetics</i> , 2008, 17, 1127-1136.	2.9	101
12	The dopamine transporter: relevance to attention deficit hyperactivity disorder (ADHD). <i>Behavioural Brain Research</i> , 2002, 130, 57-63.	2.2	99
13	A Receptor Mechanism for Methamphetamine Action in Dopamine Transporter Regulation in Brain. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 330, 316-325.	2.5	93
14	Trace amine-associated receptor 1 as a monoaminergic modulator in brain. <i>Biochemical Pharmacology</i> , 2009, 78, 1095-1104.	4.4	91
15	$\beta$ -Phenylethylamine Alters Monoamine Transporter Function via Trace Amine-Associated Receptor 1: Implication for Modulatory Roles of Trace Amines in Brain. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008, 325, 617-628.	2.5	86
16	Inhibition of the Dopamine D1 Receptor Signaling by PSD-95. <i>Journal of Biological Chemistry</i> , 2007, 282, 15778-15789.	3.4	81
17	Normal thermoregulatory responses to $\beta$ -iodothyronamine, trace amines and amphetamine-like psychostimulants in trace amine associated receptor 1 knockout mice. <i>Journal of Neuroscience Research</i> , 2010, 88, 1962-1969.	2.9	77
18	Augmentation of methamphetamine-induced behaviors in transgenic mice lacking the trace amine-associated receptor 1. <i>Pharmacology Biochemistry and Behavior</i> , 2012, 101, 201-207.	2.9	77

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19	Cloning of dopamine, norepinephrine and serotonin transporters from monkey brain: relevance to cocaine sensitivity. <i>Molecular Brain Research</i> , 2001, 87, 124-143.	2.3	74
20	Advances in tryptophan hydroxylase-2 gene expression regulation: New insights into serotonin-stress interaction and clinical implications. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2012, 159B, 152-171.	1.7	69
21	Modulation of Monoamine Transporters by Common Biogenic Amines via Trace Amine-Associated Receptor 1 and Monoamine Autoreceptors in Human Embryonic Kidney 293 Cells and Brain Synaptosomes. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008, 325, 629-640.	2.5	68
22	Trace Amine Associated Receptor 1 Signaling in Activated Lymphocytes. <i>Journal of NeuroImmune Pharmacology</i> , 2012, 7, 866-876.	4.1	64
23	Nonhuman Primate Models in the Genomic Era: A Paradigm Shift. <i>ILAR Journal</i> , 2013, 54, 154-165.	1.8	50
24	A pharmacogenetic model of naltrexone-induced attenuation of alcohol consumption in rhesus monkeys. <i>Drug and Alcohol Dependence</i> , 2010, 109, 252-256.	3.2	48
25	Pulsatile Luteinizing Hormone Secretion in Normal Female Mice and in Hypogonadal Female Mice with Preoptic Area Implants*. <i>Endocrinology</i> , 1991, 128, 965-971.	2.8	41
26	Receptor Regulation of Gene Expression of Axon Guidance Molecules: Implications for Adaptation. <i>Molecular Pharmacology</i> , 2006, 70, 71-77.	2.3	39
27	Tryptophan hydroxylase-2: An emerging therapeutic target for stress disorders. <i>Biochemical Pharmacology</i> , 2013, 85, 1227-1233.	4.4	37
28	What Nature's Knockout Teaches Us about GnRH Activity: Hypogonadal Mice and Neuronal Grafts. <i>Hormones and Behavior</i> , 1997, 31, 212-220.	2.1	36
29	Trace Amine Associated Receptor 1 Modulates Behavioral Effects of Ethanol. <i>Substance Abuse: Research and Treatment</i> , 2013, 7, SART.S12110.	0.9	32
30	Functional evolution of the trace amine associated receptors in mammals and the loss of TAAR1 in dogs. <i>BMC Evolutionary Biology</i> , 2010, 10, 51.	3.2	31
31	The effect of rearing experience and TPH2 genotype on HPA axis function and aggression in rhesus monkeys: A retrospective analysis. <i>Hormones and Behavior</i> , 2010, 57, 184-191.	2.1	29
32	Dopamine transporter-dependent induction of C-Fos in HEK cells. <i>Synapse</i> , 2002, 45, 52-65.	1.2	28
33	Ephrin/Eph receptor expression in brain of adult nonhuman primates: Implications for neuroadaptation. <i>Brain Research</i> , 2006, 1067, 67-77.	2.2	28
34	Actions of Trace Amines in the Brain-Gut-Microbiome Axis via Trace Amine-Associated Receptor-1 (TAAR1). <i>Cellular and Molecular Neurobiology</i> , 2020, 40, 191-201.	3.3	28
35	Cloning, expression, and functional analysis of rhesus monkey trace amine-associated receptor 6: Evidence for lack of monoaminergic association. <i>Journal of Neuroscience Research</i> , 2008, 86, 3435-3446.	2.9	25
36	MDMA-induced impairment in primates: antagonism by a selective norepinephrine or serotonin, but not by a dopamine/norepinephrine transport inhibitor. <i>Journal of Psychopharmacology</i> , 2008, 22, 187-202.	4.0	24

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37	Polymorphisms in the 3' UTR of the serotonin transporter are associated with cognitive flexibility in rhesus macaques. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2009, 150B, 467-475.	1.7	23
38	Avenues for the Development of Therapeutics That Target Trace Amine Associated Receptor 1 (TAAR1). <i>Journal of Medicinal Chemistry</i> , 2012, 55, 1809-1814.	6.4	23
39	Behavioral effects of clozapine: Involvement of trace amine pathways in <i>C. elegans</i> and <i>M. musculus</i> . <i>Brain Research</i> , 2011, 1393, 91-99.	2.2	22
40	Extensive Alternative Splicing of the Repressor Element Silencing Transcription Factor Linked to Cancer. <i>PLoS ONE</i> , 2013, 8, e62217.	2.5	22
41	Modulation of nuclear $\alpha$ -REST by alternative splicing: a potential therapeutic target for Huntington's disease. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 2974-2984.	3.6	22
42	Human Expression Variation in the Mu-Opioid Receptor is Paralleled in Rhesus Macaque. <i>Behavior Genetics</i> , 2008, 38, 390-395.	2.1	21
43	Trace amine-associated receptor 1 is a stereoselective binding site for compounds in the amphetamine class. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 7044-7048.	3.0	21
44	Alternative $\alpha$ -REST Splicing Underappreciated. <i>ENeuro</i> , 2018, 5, ENEURO.0034-18.2018.	1.9	18
45	Review and Meta-Analyses of TAAR1 Expression in the Immune System and Cancers. <i>Frontiers in Pharmacology</i> , 2018, 9, 683.	3.5	17
46	Alcohol-induced changes in the gut microbiome and metabolome of rhesus macaques. <i>Psychopharmacology</i> , 2019, 236, 1531-1544.	3.1	16
47	Neuromodulation of Transplanted Gonadotropin-Releasing Hormone Neurons in Male and Female Hypogonadal Mice with Preoptic Area Brain Grafts. <i>Biology of Reproduction</i> , 1995, 52, 572-583.	2.7	14
48	Non-amine-based drugs without an amine nitrogen, potentially block serotonin transport: Novel antidepressant candidates?. <i>Synapse</i> , 2001, 42, 129-140.	1.2	14
49	Non-amine-based dopamine transporter (reuptake) inhibitors retain properties of amine-based progenitors. <i>European Journal of Pharmacology</i> , 2003, 479, 41-51.	3.5	13
50	Trace amine associated receptor 1 (TAAR1) expression and modulation of inflammatory cytokine production in mouse bone marrow-derived macrophages: a novel mechanism for inflammation in ulcerative colitis. <i>Immunopharmacology and Immunotoxicology</i> , 2019, 41, 577-585.	2.4	13
51	Opioidergic Modulation of N-Methyl-D,L-Aspartic-Acid-Stimulated LH Release in Young Adult but not Older Male Mice. <i>Neuroendocrinology</i> , 1994, 59, 277-284.	2.5	12
52	Convergent Balancing Selection on the Mu-Opioid Receptor in Primates. <i>Molecular Biology and Evolution</i> , 2017, 34, 1629-1643.	8.9	12
53	Functional Assessment of Intrahypothalamic Implants of Immortalized Gonadotropin-Releasing Hormone-Secreting Cells in Female Hypogonadal Mice. <i>Cell Transplantation</i> , 1993, 2, 251-257.	2.5	10
54	5' Untranslated region of the tryptophan hydroxylase-2 gene harbors an asymmetric bidirectional promoter but not internal ribosome entry site in vitro. <i>Gene</i> , 2009, 435, 53-62.	2.2	10

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55	Variants of the primate vesicular monoamine transporter-2. <i>Molecular Brain Research</i> , 2005, 139, 251-257.	2.3	7
56	Large-scale polymorphism discovery in macaque G-protein coupled receptors. <i>BMC Genomics</i> , 2013, 14, 703.	2.8	6
57	Dopamine and norepinephrine transporter-dependent c-Fos production in vitro: relevance to neuroadaptation. <i>Journal of Neuroscience Methods</i> , 2005, 143, 69-78.	2.5	5
58	Persistent negative effects of alcohol drinking on aspects of novelty-directed behavior in male rhesus macaques. <i>Alcohol</i> , 2017, 63, 19-26.	1.7	5
59	Molecular and regional targets of cocaine in primate brain: liberation from prosaic views. <i>Addiction Biology</i> , 2000, 5, 351-359.	2.6	4
60	Growth-associated protein-43 and ephrin B3 induction in the brain of adult SIV-infected rhesus macaques. <i>Journal of NeuroVirology</i> , 2011, 17, 455-468.	2.1	2
61	Perturbations of Neuron-Restrictive Silencing Factor Modulate Corticotropin-Releasing Hormone Gene Expression in the Human Cell Line BeWo. <i>Molecular Neuropsychiatry</i> , 2018, 4, 100-110.	2.9	1