Gregory M Miller

List of Publications by Year
in descending order

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	Actions of Trace Amines in the Brain-Gut-Microbiome Axis via Trace Amine-Associated Receptor-1 (TAAR1). Cellular and Molecular Neurobiology, 2020, 40, 191-201.	3.3	28
2	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. Immunopharmacology and Immunotoxicology, 2019, 41, 577-585.	2.4	13
3	Alcohol-induced changes in the gut microbiome and metabolome of rhesus macaques. Psychopharmacology, 2019, 236, 1531-1544.	3.1	16
4	Perturbations of Neuron-Restrictive Silencing Factor Modulate Corticotropin-Releasing Hormone Gene Expression in the Human Cell Line BeWo. Molecular Neuropsychiatry, 2018, 4, 100-110.	2.9	1
5	Review and Meta-Analyses of TAAR1 Expression in the Immune System and Cancers. Frontiers in Pharmacology, 2018, 9, 683.	3.5	17
6	Alternative REST Splicing Underappreciated. ENeuro, 2018, 5, ENEURO.0034-18.2018.	1.9	18
7	Modulation of nuclear <scp>REST</scp> by alternative splicing: a potential therapeutic target for Huntington's disease. Journal of Cellular and Molecular Medicine, 2017, 21, 2974-2984.	3.6	22
8	Convergent Balancing Selection on the Mu-Opioid Receptor in Primates. Molecular Biology and Evolution, 2017, 34, 1629-1643.	8.9	12
9	Persistent negative effects of alcohol drinking on aspects of novelty-directed behavior in male rhesus macaques. Alcohol, 2017, 63, 19-26.	1.7	5
10	Biogeography of the Intestinal Mucosal and Lumenal Microbiome in the Rhesus Macaque. Cell Host and Microbe, 2015, 17, 385-391.	11.0	273
11	Large-scale polymorphism discovery in macaque G-protein coupled receptors. BMC Genomics, 2013, 14, 703.	2.8	6
12	Tryptophan hydroxylase-2: An emerging therapeutic target for stress disorders. Biochemical Pharmacology, 2013, 85, 1227-1233.	4.4	37
13	Nonhuman Primate Models in the Genomic Era: A Paradigm Shift. ILAR Journal, 2013, 54, 154-165.	1.8	50
14	Trace Amine Associated Receptor 1 Modulates Behavioral Effects of Ethanol. Substance Abuse: Research and Treatment, 2013, 7, SART.S12110.	0.9	32
15	Extensive Alternative Splicing of the Repressor Element Silencing Transcription Factor Linked to Cancer. PLoS ONE, 2013, 8, e62217.	2.5	22
16	Avenues for the Development of Therapeutics That Target Trace Amine Associated Receptor 1 (TAAR1). Journal of Medicinal Chemistry, 2012, 55, 1809-1814.	6.4	23
17	Trace Amine Associated Receptor 1 Signaling in Activated Lymphocytes. Journal of NeuroImmune Pharmacology, 2012, 7, 866-876.	4.1	64
18	Augmentation of methamphetamine-induced behaviors in transgenic mice lacking the trace amine-associated receptor 1. Pharmacology Biochemistry and Behavior, 2012, 101, 201-207.	2.9	77

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19	Advances in tryptophan hydroxylaseâ€2 gene expression regulation: New insights into serotoninâ€“stress interaction and clinical implications. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2012, 159B, 152-171.	1.7	69
20	The emerging role of trace amine-associated receptor 1 in the functional regulation of monoamine transporters and dopaminergic activity. Journal of Neurochemistry, 2011, 116, 164-176.	3.9	196
21	Trace amine-associated receptor 1 is a stereoselective binding site for compounds in the amphetamine class. Bioorganic and Medicinal Chemistry, 2011, 19, 7044-7048.	3.0	21
22	Behavioral effects of clozapine: Involvement of trace amine pathways in C. elegans and M. musculus. Brain Research, 2011, 1393, 91-99.	2.2	22
23	Growth-associated protein-43 and ephrin B3 induction in the brain of adult SIV-infected rhesus macaques. Journal of NeuroVirology, 2011, 17, 455-468.	2.1	2
24	Functional evolution of the trace amine associated receptors in mammals and the loss of TAAR1 in dogs. BMC Evolutionary Biology, 2010, 10, 51.	3.2	31
25	Normal thermoregulatory responses to 3â€iodothyronamine, trace amines and amphetamineâ€like psychostimulants in trace amine associated receptor 1 knockout mice. Journal of Neuroscience Research, 2010, 88, 1962-1969.	2.9	77
26	A pharmacogenetic model of naltrexone-induced attenuation of alcohol consumption in rhesus monkeysâ˜†. Drug and Alcohol Dependence, 2010, 109, 252-256.	3.2	48
27	The effect of rearing experience and TPH2 genotype on HPA axis function and aggression in rhesus monkeys: A retrospective analysis. Hormones and Behavior, 2010, 57, 184-191.	2.1	29
28	Trace amine-associated receptor 1 as a monoaminergic modulator in brain. Biochemical Pharmacology, 2009, 78, 1095-1104.	4.4	91
29	Polymorphisms in the 3â€² UTR of the serotonin transporter are associated with cognitive flexibility in rhesus macaques. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2009, 150B, 467-475.	1.7	23
30	A Receptor Mechanism for Methamphetamine Action in Dopamine Transporter Regulation in Brain. Journal of Pharmacology and Experimental Therapeutics, 2009, 330, 316-325.	2.5	93
31	5â€²-Untranslated region of the tryptophan hydroxylase-2 gene harbors an asymmetric bidirectional promoter but not internal ribosome entry site in vitro. Gene, 2009, 435, 53-62.	2.2	10
32	Human Expression Variation in the Mu-Opioid Receptor is Paralleled in Rhesus Macaque. Behavior Genetics, 2008, 38, 390-395.	2.1	21
33	Functional characterization of the human TPH2 5â€² regulatory region: untranslated region and polymorphisms modulate gene expression in vitro. Human Genetics, 2008, 122, 645-657.	3.8	106
34	Cloning, expression, and functional analysis of rhesus monkey trace amineâ€associated receptor 6: Evidence for lack of monoaminergic association. Journal of Neuroscience Research, 2008, 86, 3435-3446.	2.9	25
35	MDMA-induced impairment in primates: antagonism by a selective norepinephrine or serotonin, but not by a dopamine/norepinephrine transport inhibitor. Journal of Psychopharmacology, 2008, 22, 187-202.	4.0	24
36	Analysis of copy number variation in the rhesus macaque genome identifies candidate loci for evolutionary and human disease studies. Human Molecular Genetics, 2008, 17, 1127-1136.	2.9	101

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37	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. Journal of Pharmacology and Experimental Therapeutics, 2008, 325, 629-640.	2.5	68
38	Î²-Phenylethylamine Alters Monoamine Transporter Function via Trace Amine-Associated Receptor 1: Implication for Modulatory Roles of Trace Amines in Brain. Journal of Pharmacology and Experimental Therapeutics, 2008, 325, 617-628.	2.5	86
39	Inhibition of the Dopamine D1 Receptor Signaling by PSD-95. Journal of Biological Chemistry, 2007, 282, 15778-15789.	3.4	81
40	Trace Amine-Associated Receptor 1 Is a Modulator of the Dopamine Transporter. Journal of Pharmacology and Experimental Therapeutics, 2007, 321, 128-136.	2.5	117
41	Rhesus Monkey Trace Amine-Associated Receptor 1 Signaling: Enhancement by Monoamine Transporters and Attenuation by the D2 Autoreceptor in Vitro. Journal of Pharmacology and Experimental Therapeutics, 2007, 321, 116-127.	2.5	103
42	MDMA (Ecstasy) and human dopamine, norepinephrine, and serotonin transporters: implications for MDMA-induced neurotoxicity and treatment. Psychopharmacology, 2006, 189, 489-503.	3.1	145
43	Ephrin/Eph receptor expression in brain of adult nonhuman primates: Implications for neuroadaptation. Brain Research, 2006, 1067, 67-77.	2.2	28
44	Modafinil Occupies Dopamine and Norepinephrine Transporters in Vivo and Modulates the Transporters and Trace Amine Activity in Vitro. Journal of Pharmacology and Experimental Therapeutics, 2006, 319, 561-569.	2.5	304
45	Receptor Regulation of Gene Expression of Axon Guidance Molecules: Implications for Adaptation. Molecular Pharmacology, 2006, 70, 71-77.	2.3	39
46	Balancing selection and the evolution of functional polymorphism in Old World monkey TRIM5Â. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 19134-19139.	7.1	149
47	Dopamine and norepinephrine transporter-dependent c-Fos production in vitro: relevance to neuroadaptation. Journal of Neuroscience Methods, 2005, 143, 69-78.	2.5	5
48	Primate Trace Amine Receptor 1 Modulation by the Dopamine Transporter. Journal of Pharmacology and Experimental Therapeutics, 2005, 313, 983-994.	2.5	106
49	Variants of the primate vesicular monoamine transporter-2. Molecular Brain Research, 2005, 139, 251-257.	2.3	7
50	The Dopamine Transporter and Attention-Deficit/Hyperactivity Disorder. Biological Psychiatry, 2005, 57, 1397-1409.	1.3	329
51	Non-amine-based dopamine transporter (reuptake) inhibitors retain properties of amine-based progenitors. European Journal of Pharmacology, 2003, 479, 41-51.	3.5	13
52	The dopamine transporter: relevance to attention deficit hyperactivity disorder (ADHD). Behavioural Brain Research, 2002, 130, 57-63.	2.2	99
53	Dopamine transporter-dependent induction of C-Fos in HEK cells. Synapse, 2002, 45, 52-65.	1.2	28
54	Cloning of dopamine, norepinephrine and serotonin transporters from monkey brain: relevance to cocaine sensitivity. Molecular Brain Research, 2001, 87, 124-143.	2.3	74

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55	Nonâ€amines, drugs without an amine nitrogen, potently block serotonin transport: Novel antidepressant candidates?. Synapse, 2001, 42, 129-140.	1.2	14
56	Molecular and regional targets of cocaine in primate brain: liberation from prosaic views. Addiction Biology, 2000, 5, 351-359.	2.6	4
57	What Nature's Knockout Teaches Us about GnRH Activity: Hypogonadal Mice and Neuronal Grafts. Hormones and Behavior, 1997, 31, 212-220.	2.1	36
58	Neuromodulation of Transplanted Gonadotropin-Releasing Hormone Neurons in Male and Female Hypogonadal Mice with Preoptic Area Brain Grafts1. Biology of Reproduction, 1995, 52, 572-583.	2.7	14
59	Opioidergic Modulation of N-Methyl-D,L-Aspartic-Acid-Stimulated LH Release in Young Adult but not Older Male Mice. Neuroendocrinology, 1994, 59, 277-284.	2.5	12
60	Functional Assessment of Intrahypothalamic Implants of Immortalized Gonadotropin-Releasing Hormone-Secreting Cells in Female Hypogonadal Mice. Cell Transplantation, 1993, 2, 251-257.	2.5	10
61	Pulsatile Luteinizing Hormone Secretion in Normal Female Mice and in Hypogonadal Female Mice with Preoptic Area Implants*. Endocrinology, 1991, 128, 965-971.	2.8	41