Marius C Hoener

List of Publications by Year in Descending Order

91 papers	5,428 citations	42 h-index	73 g-index
105 ext. papers	6,377 ext. citations	5.5 avg, IF	5.71 L-index

#	Paper	IF	Citations
91	Pharmacological characterization of 3,4-methylenedioxamphetamine (MDA) analogs and two amphetamine-based compounds: N,□-DEPEA and DPIA.. *European Neuropsychopharmacology*, **2022**, 59, 9-22	1.2	0
90	Receptor Interaction Profiles of 4-Alkoxy-3,5-Dimethoxy-Phenethylamines (Mescaline Derivatives) and Related Amphetamines.. *Frontiers in Pharmacology*, **2021**, 12, 794254	5.6	0
89	TAAR1 Expression in Human Macrophages and Brain Tissue: A Potential Novel Facet of MS Neuroinflammation. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	2
88	The Pharmacological Profile of Second Generation Pyrovalerone Cathinones and Related Cathinone Derivative. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
87	Antisense oligonucleotide treatment rescues UBE3A expression and multiple phenotypes of an Angelman syndrome mouse model. *JCI Insight*, **2021**, 6,	9.9	5
86	Secreted retrovirus-like GAG-domain-containing protein PEG10 is regulated by UBE3A and is involved in Angelman syndrome pathophysiology. *Cell Reports Medicine*, **2021**, 2, 100360	18	6
85	Electrophysiological Phenotype in Angelman Syndrome Differs Between Genotypes. *Biological Psychiatry*, **2019**, 85, 752-759	7.9	33
84	TAAR1 levels and sub-cellular distribution are cell line but not breast cancer subtype specific. *Histochemistry and Cell Biology*, **2019**, 152, 155-166	2.4	4
83	Trace amine-associated receptor 1 agonism promotes wakefulness without impairment of cognition in Cynomolgus macaques. *Neuropsychopharmacology*, **2019**, 44, 1485-1493	8.7	9
82	Monoamine receptor interaction profiles of 4-aryl-substituted 2,5-dimethoxyphenethylamines (2C-BI derivatives). *European Journal of Pharmacology*, **2019**, 855, 103-111	5.3	11
81	Metabolites of the ring-substituted stimulants MDMA, methylone and MDPV differentially affect human monoaminergic systems. *Journal of Psychopharmacology*, **2019**, 33, 831-841	4.6	15
80	Cytochrome P450 enzymes contribute to the metabolism of LSD to nor-LSD and 2-oxo-3-hydroxy-LSD: Implications for clinical LSD use. *Biochemical Pharmacology*, **2019**, 164, 129-138	6	8
79	Pharmacological profiles of compounds in preworkout supplements ("boosters"). *European Journal of Pharmacology*, **2019**, 859, 172515	5.3	4
78	Pharmacological characterization of the aminorex analogs 4-MAR, 4,4RDMAR, and 3,4-DMAR. *NeuroToxicology*, **2019**, 72, 95-100	4.4	8
77	Receptor Interaction Profiles of 4-Alkoxy-Substituted 2,5-Dimethoxyphenethylamines and Related Amphetamines. *Frontiers in Pharmacology*, **2019**, 10, 1423	5.6	7
76	Stereochemistry of phase-1 metabolites of mephedrone determines their effectiveness as releasers at the serotonin transporter. *Neuropharmacology*, **2019**, 148, 199-209	5.5	11
75	Activation of trace amine-associated receptor 1 attenuates schedule-induced polydipsia in rats. *Neuropharmacology*, **2019**, 144, 184-192	5.5	6

74	Pronounced Hyperactivity, Cognitive Dysfunctions, and BDNF Dysregulation in Dopamine Transporter Knock-out Rats. *Journal of Neuroscience*, **2018**, 38, 1959-1972	6.6	82
73	Role of trace amine-associated receptor 1 in nicotine behavioral and neurochemical effects. *Neuropsychopharmacology*, **2018**, 43, 2435-2444	8.7	29
72	Pharmacological profile of mephedrone analogs and related new psychoactive substances. *Neuropharmacology*, **2018**, 134, 4-12	5.5	54
71	Monoamine receptor interaction profiles of 4-thio-substituted phenethylamines (2C-T drugs). *Neuropharmacology*, **2018**, 134, 141-148	5.5	23
70	Pharmacological profile of methylphenidate-based designer drugs. *Neuropharmacology*, **2018**, 134, 133-140	5.5	29
69	The psychostimulant (±)-cis-4,4-dimethylaminorex (4,4-DMAR) interacts with human plasmalemmal and vesicular monoamine transporters. *Neuropharmacology*, **2018**, 138, 282-291	5.5	16
68	Deletion of Trace Amine-Associated Receptor 1 Attenuates Behavioral Responses to Caffeine. *Frontiers in Pharmacology*, **2018**, 9, 35	5.6	6
67	How Female Mice Attract Males: A Urinary Volatile Amine Activates a Trace Amine-Associated Receptor That Induces Male Sexual Interest. *Frontiers in Pharmacology*, **2018**, 9, 924	5.6	9
66	Effects of the new psychoactive substances diclofensine, diphenidine, and methoxphenidine on monoaminergic systems. *European Journal of Pharmacology*, **2018**, 819, 242-247	5.3	25
65	Opioid-induced inhibition of the human 5-HT and noradrenaline transporters in vitro: link to clinical reports of serotonin syndrome. *British Journal of Pharmacology*, **2018**, 175, 532-543	8.6	52
64	Trace Amines and Their Receptors. *Pharmacological Reviews*, **2018**, 70, 549-620	22.5	135
63	A partial trace amine-associated receptor 1 agonist exhibits properties consistent with a methamphetamine substitution treatment. *Addiction Biology*, **2017**, 22, 1246-1256	4.6	32
62	Trace Amine-Associated Receptor 1 Agonists as Narcolepsy Therapeutics. *Biological Psychiatry*, **2017**, 82, 623-633	7.9	31
61	Interaction Between the Trace Amine-Associated Receptor 1 and the Dopamine D Receptor Controls Cocaine Neurochemical Actions. *Scientific Reports*, **2017**, 7, 13901	4.9	21
60	Pharmacology of human trace amine-associated receptors: Therapeutic opportunities and challenges. *Pharmacology & Therapeutics*, **2017**, 180, 161-180	13.9	103
59	Trace Amine-Associated Receptor 1 Regulates Wakefulness and EEG Spectral Composition. *Neuropsychopharmacology*, **2017**, 42, 1305-1314	8.7	20
58	The Trace Amine-Associated Receptor 1 Agonist RO5256390 Blocks Compulsive, Binge-like Eating in Rats. *Neuropsychopharmacology*, **2017**, 42, 1458-1470	8.7	47
57	In Vitro Characterization of Psychoactive Substances at Rat, Mouse, and Human Trace Amine-Associated Receptor 1. *Journal of Pharmacology and Experimental Therapeutics*, **2016**, 357, 134-44	4.7	68

56	Incretin-like effects of small molecule trace amine-associated receptor 1 agonists. *Molecular Metabolism*, **2016**, 5, 47-56	8.8	56
55	Discovery and Characterization of 2-Aminooxazolines as Highly Potent, Selective, and Orally Active TAAR1 Agonists. *ACS Medicinal Chemistry Letters*, **2016**, 7, 192-7	4.3	24
54	Receptor interaction profiles of novel psychoactive tryptamines compared with classic hallucinogens. *European Neuropsychopharmacology*, **2016**, 26, 1327-37	1.2	124
53	A UGT2B10 splicing polymorphism common in african populations may greatly increase drug exposure. *Journal of Pharmacology and Experimental Therapeutics*, **2015**, 352, 358-67	4.7	38
52	Selective activation of the trace amine-associated receptor 1 decreases cocaine reinforcing efficacy and prevents cocaine-induced changes in brain reward thresholds. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2015**, 63, 70-5	5.5	43
51	Pharmacological profile of novel psychoactive benzofurans. *British Journal of Pharmacology*, **2015**, 172, 3412-25	8.6	80
50	TAAR1 Modulates Cortical Glutamate NMDA Receptor Function. *Neuropsychopharmacology*, **2015**, 40, 2217-27	8.7	74
49	Receptor interaction profiles of novel N-2-methoxybenzyl (NBOMe) derivatives of 2,5-dimethoxy-substituted phenethylamines (2C drugs). *Neuropharmacology*, **2015**, 99, 546-53	5.5	113
48	Trace amine-associated receptor 1 activation silences GSK3 signaling of TAAR1 and D2R heteromers. *European Neuropsychopharmacology*, **2015**, 25, 2049-61	1.2	74
47	The trace amine-associated receptor 1 modulates methamphetamine neurochemical and behavioral effects. *Frontiers in Neuroscience*, **2015**, 9, 39	5.1	49
46	Monoamine transporter and receptor interaction profiles of novel psychoactive substances: para-halogenated amphetamines and pyrovalerone cathinones. *European Neuropsychopharmacology*, **2015**, 25, 365-76	1.2	129
45	Pharmacological profiles of aminoindanes, piperazines, and pipradrol derivatives. *Biochemical Pharmacology*, **2014**, 88, 237-44	6	69
44	Monoamine transporter and receptor interaction profiles of a new series of designer cathinones. *Neuropharmacology*, **2014**, 79, 152-60	5.5	143
43	Activation of the trace amine-associated receptor 1 prevents relapse to cocaine seeking. *Neuropsychopharmacology*, **2014**, 39, 2299-308	8.7	61
42	P.1.h.027 Dopamine transporter knockout rats: new experimental model in behavioral psychopharmacology research. *European Neuropsychopharmacology*, **2014**, 24, S285	1.2	
41	Taar1-mediated modulation of presynaptic dopaminergic neurotransmission: role of D2 dopamine autoreceptors. *Neuropharmacology*, **2014**, 81, 283-91	5.5	98
40	TAAR1-dependent effects of apomorphine in mice. *International Journal of Neuropsychopharmacology*, **2014**, 17, 1683-93	5.8	30
39	In vitro pharmacology of pipradrol derivatives, 3,4-methylenedioxypyrovalerone, and naphyrone (1145.3). *FASEB Journal*, **2014**, 28, 1145.3	0.9	

38	Pharmacological characterization of designer cathinones in vitro. *British Journal of Pharmacology*, **2013**, 168, 458-70	8.6	497
37	A new perspective for schizophrenia: TAAR1 agonists reveal antipsychotic- and antidepressant-like activity, improve cognition and control body weight. *Molecular Psychiatry*, **2013**, 18, 543-56	15.1	157
36	The impact of Bdnf gene deficiency to the memory impairment and brain pathology of APPswe/PS1dE9 mouse model of Alzheimer's disease. *PLoS ONE*, **2013**, 8, e68722	3.7	42
35	The antidepressant-like effects of glutamatergic drugs ketamine and AMPA receptor potentiator LY 451646 are preserved in bdnf+/? heterozygous null mice. *Neuropharmacology*, **2012**, 62, 391-7	5.5	76
34	Optimisation of imidazole compounds as selective TAAR1 agonists: discovery of RO5073012. *Bioorganic and Medicinal Chemistry Letters*, **2012**, 22, 5244-8	2.9	39
33	Trace amine-associated receptor 1 partial agonism reveals novel paradigm for neuropsychiatric therapeutics. *Biological Psychiatry*, **2012**, 72, 934-42	7.9	115
32	Trace amine associated receptor 1 signaling in activated lymphocytes. *Journal of NeuroImmune Pharmacology*, **2012**, 7, 866-76	6.9	56
31	Duloxetine inhibits effects of MDMA ("ecstasy") in vitro and in humans in a randomized placebo-controlled laboratory study. *PLoS ONE*, **2012**, 7, e36476	3.7	122
30	Brain-specific overexpression of trace amine-associated receptor 1 alters monoaminergic neurotransmission and decreases sensitivity to amphetamine. *Neuropsychopharmacology*, **2012**, 37, 2580-92	8.7	74
29	Effects of the □□adrenergic agonist clonidine on the pharmacodynamics and pharmacokinetics of 3,4-methylenedioxymethamphetamine in healthy volunteers. *Journal of Pharmacology and Experimental Therapeutics*, **2012**, 340, 286-94	4.7	56
28	Acetylcholinesterase inhibitors rapidly activate Trk neurotrophin receptors in the mouse hippocampus. *Neuropharmacology*, **2011**, 61, 1291-6	5.5	42
27	The norepinephrine transporter inhibitor reboxetine reduces stimulant effects of MDMA ("ecstasy") in humans. *Clinical Pharmacology and Therapeutics*, **2011**, 90, 246-55	6.1	113
26	Selective antagonists of mouse trace amine-associated receptor 1 (mTAAR1): discovery of EPPTB (RO5212773). *Bioorganic and Medicinal Chemistry Letters*, **2011**, 21, 1227-31	2.9	46
25	G protein-coupled receptor transmembrane binding pockets and their applications in GPCR research and drug discovery: a survey. *Current Topics in Medicinal Chemistry*, **2011**, 11, 1902-24	3	17
24	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, 8485-90	11.5	225
23	Darkness reduces BDNF expression in the visual cortex and induces repressive chromatin remodeling at the BDNF gene in both hippocampus and visual cortex. *Cellular and Molecular Neurobiology*, **2010**, 30, 1117-23	4.6	38
22	A functional NR4A nuclear receptor DNA-binding domain is required for organ development in Caenorhabditis elegans. *Genesis*, **2010**, 48, 485-91	1.9	10
21	The selective antagonist EPPTB reveals TAAR1-mediated regulatory mechanisms in dopaminergic neurons of the mesolimbic system. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 20081-6	11.5	147

20	P.l.c.038 Modulation of dopaminergic activity in the mesolimbic system by trace amine-associated receptor 1 (TAAR1) modification. *European Neuropsychopharmacology*, **2009**, 19, S273	1.2	1
19	The Caenorhabditis elegans NR4A nuclear receptor is required for spermatheca morphogenesis. *Developmental Biology*, **2008**, 313, 767-86	3.1	27
18	Trace amine-associated receptor 1 modulates dopaminergic activity. *Journal of Pharmacology and Experimental Therapeutics*, **2008**, 324, 948-56	4.7	228
17	An automated system for the analysis of G protein-coupled receptor transmembrane binding pockets: alignment, receptor-based pharmacophores, and their application. *Journal of Chemical Information and Modeling*, **2005**, 45, 1324-36	6.1	53
16	Trace amine-associated receptors form structurally and functionally distinct subfamilies of novel G protein-coupled receptors. *Genomics*, **2005**, 85, 372-85	4.3	205
15	A renaissance in trace amines inspired by a novel GPCR family. *Trends in Pharmacological Sciences*, **2005**, 26, 274-81	13.2	212
14	Similar patterns of mitochondrial vulnerability and rescue induced by genetic modification of alpha-synuclein, parkin, and DJ-1 in Caenorhabditis elegans. *Journal of Biological Chemistry*, **2005**, 280, 42655-42668	5.4	206
13	Caenorhabditis elegans MPP+ model of Parkinson's disease for high-throughput drug screenings. *Neurodegenerative Diseases*, **2004**, 1, 175-83	2.3	138
12	Geldanamycin restores a defective heat shock response in vivo. *Journal of Biological Chemistry*, **2001**, 276, 45160-7	5.4	51
11	Role played by sodium in activity-dependent secretion of neurotrophins - revisited. *European Journal of Neuroscience*, **2000**, 12, 3096-106	3.5	13
10	Are there differences between the secretion characteristics of NGF and BDNF? Implications for the modulatory role of neurotrophins in activity-dependent neuronal plasticity. *Microscopy Research and Technique*, **1999**, 45, 262-75	2.8	102
9	Partial cortical devascularization results in elevations of cortical nerve growth factor and increases nerve growth factor protein within basal forebrain cholinergic neurons. *Neuroscience*, **1998**, 83, 1003-11	3.9	6
8	Reversible sedimentation and masking of nerve growth factor (NGF) antigen by high molecular weight fractions from rat brain. *Brain Research*, **1997**, 772, 1-8	3.7	7
7	Effects of sodium chloride, Triton X-100, and alkaline pH on the measurable contents and sedimentability of the nerve growth factor (NGF) antigen in adult rat hippocampal tissue extracts. *Journal of Neuroscience Research*, **1997**, 49, 508-514	4.4	10
6	Nerve growth factor (NGF) content in adult rat brain tissues is several-fold higher than generally reported and is largely associated with sedimentable fractions. *Brain Research*, **1996**, 728, 47-56	3.7	28
5	Conversion of the amphiphilic 115 kDa Form of Glycosyl-Phosphatidylinositol-specific Phospholipase D to an active, hydrophilic 47 kDa Form **1994**, 71-78		1
4	Glycosyl-phosphatidylinositol-specific phospholipase D. Interaction with and stimulation by apolipoprotein A-I. *FEBS Letters*, **1993**, 327, 203-6	3.8	20
3	Phosphatidylinositol Glycan-Anchor-Specific Phospholipase D from Mammalian Brain. *Methods in Neurosciences*, **1993**, 3-13		1

List of Publications

2	Phosphatidylinositol-glycan-specific phospholipase D is an amphiphilic glycoprotein that in serum is associated with high-density lipoproteins. *FEBS Journal*, **1992**, 206, 747-57	75
1	Isolation and characterization of a phosphatidylinositol-glycan-anchor-specific phospholipase D from bovine brain. *FEBS Journal*, **1990**, 190, 593-601	51