

# Marius C Hoener

## List of Publications by Citations

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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 designer cathinones in vitro. <i>British Journal of Pharmacology</i> , <b>2013</b> , 168, 458-70	8.6	497
90	Trace amine-associated receptor 1 modulates dopaminergic activity. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2008</b> , 324, 948-56	4.7	228
89	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> , <b>2011</b> , 108, 8485-90	11.5	225
88	A renaissance in trace amines inspired by a novel GPCR family. <i>Trends in Pharmacological Sciences</i> , <b>2005</b> , 26, 274-81	13.2	212
87	Similar patterns of mitochondrial vulnerability and rescue induced by genetic modification of alpha-synuclein, parkin, and DJ-1 in <i>Caenorhabditis elegans</i> . <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 42655-42668	5.4	206
86	Trace amine-associated receptors form structurally and functionally distinct subfamilies of novel G protein-coupled receptors. <i>Genomics</i> , <b>2005</b> , 85, 372-85	4.3	205
85	A new perspective for schizophrenia: TAAR1 agonists reveal antipsychotic- and antidepressant-like activity, improve cognition and control body weight. <i>Molecular Psychiatry</i> , <b>2013</b> , 18, 543-56	15.1	157
84	The selective antagonist EPPTB reveals TAAR1-mediated regulatory mechanisms in dopaminergic neurons of the mesolimbic system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 20081-6	11.5	147
83	Monoamine transporter and receptor interaction profiles of a new series of designer cathinones. <i>Neuropharmacology</i> , <b>2014</b> , 79, 152-60	5.5	143
82	<i>Caenorhabditis elegans</i> MPP+ model of Parkinson's disease for high-throughput drug screenings. <i>Neurodegenerative Diseases</i> , <b>2004</b> , 1, 175-83	2.3	138
81	Trace Amines and Their Receptors. <i>Pharmacological Reviews</i> , <b>2018</b> , 70, 549-620	22.5	135
80	Monoamine transporter and receptor interaction profiles of novel psychoactive substances: para-halogenated amphetamines and pyrovalerone cathinones. <i>European Neuropsychopharmacology</i> , <b>2015</b> , 25, 365-76	1.2	129
79	Receptor interaction profiles of novel psychoactive tryptamines compared with classic hallucinogens. <i>European Neuropsychopharmacology</i> , <b>2016</b> , 26, 1327-37	1.2	124
78	Duloxetine inhibits effects of MDMA ("ecstasy") in vitro and in humans in a randomized placebo-controlled laboratory study. <i>PLoS ONE</i> , <b>2012</b> , 7, e36476	3.7	122
77	Trace amine-associated receptor 1 partial agonism reveals novel paradigm for neuropsychiatric therapeutics. <i>Biological Psychiatry</i> , <b>2012</b> , 72, 934-42	7.9	115
76	Receptor interaction profiles of novel N-2-methoxybenzyl (NBOMe) derivatives of 2,5-dimethoxy-substituted phenethylamines (2C drugs). <i>Neuropharmacology</i> , <b>2015</b> , 99, 546-53	5.5	113
75	The norepinephrine transporter inhibitor reboxetine reduces stimulant effects of MDMA ("ecstasy") in humans. <i>Clinical Pharmacology and Therapeutics</i> , <b>2011</b> , 90, 246-55	6.1	113

74	Pharmacology of human trace amine-associated receptors: Therapeutic opportunities and challenges. <i>Pharmacology &amp; Therapeutics</i> , <b>2017</b> , 180, 161-180	13.9	103
73	Are there differences between the secretion characteristics of NGF and BDNF? Implications for the modulatory role of neurotrophins in activity-dependent neuronal plasticity. <i>Microscopy Research and Technique</i> , <b>1999</b> , 45, 262-75	2.8	102
72	Taar1-mediated modulation of presynaptic dopaminergic neurotransmission: role of D2 dopamine autoreceptors. <i>Neuropharmacology</i> , <b>2014</b> , 81, 283-91	5.5	98
71	Pronounced Hyperactivity, Cognitive Dysfunctions, and BDNF Dysregulation in Dopamine Transporter Knock-out Rats. <i>Journal of Neuroscience</i> , <b>2018</b> , 38, 1959-1972	6.6	82
70	Pharmacological profile of novel psychoactive benzofurans. <i>British Journal of Pharmacology</i> , <b>2015</b> , 172, 3412-25	8.6	80
69	The antidepressant-like effects of glutamatergic drugs ketamine and AMPA receptor potentiator LY 451646 are preserved in bdnf+/? heterozygous null mice. <i>Neuropharmacology</i> , <b>2012</b> , 62, 391-7	5.5	76
68	Phosphatidylinositol-glycan-specific phospholipase D is an amphiphilic glycoprotein that in serum is associated with high-density lipoproteins. <i>FEBS Journal</i> , <b>1992</b> , 206, 747-57		75
67	TAAR1 Modulates Cortical Glutamate NMDA Receptor Function. <i>Neuropsychopharmacology</i> , <b>2015</b> , 40, 2217-27	8.7	74
66	Trace amine-associated receptor 1 activation silences GSK3 $\beta$ signaling of TAAR1 and D2R heteromers. <i>European Neuropsychopharmacology</i> , <b>2015</b> , 25, 2049-61	1.2	74
65	Brain-specific overexpression of trace amine-associated receptor 1 alters monoaminergic neurotransmission and decreases sensitivity to amphetamine. <i>Neuropsychopharmacology</i> , <b>2012</b> , 37, 2580-92	8.7	74
64	Pharmacological profiles of aminoindanes, piperazines, and pipradrol derivatives. <i>Biochemical Pharmacology</i> , <b>2014</b> , 88, 237-44	6	69
63	In Vitro Characterization of Psychoactive Substances at Rat, Mouse, and Human Trace Amine-Associated Receptor 1. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2016</b> , 357, 134-44	4.7	68
62	Activation of the trace amine-associated receptor 1 prevents relapse to cocaine seeking. <i>Neuropsychopharmacology</i> , <b>2014</b> , 39, 2299-308	8.7	61
61	Incretin-like effects of small molecule trace amine-associated receptor 1 agonists. <i>Molecular Metabolism</i> , <b>2016</b> , 5, 47-56	8.8	56
60	Trace amine associated receptor 1 signaling in activated lymphocytes. <i>Journal of NeuroImmune Pharmacology</i> , <b>2012</b> , 7, 866-76	6.9	56
59	Effects of the $\alpha$ 2-adrenergic agonist clonidine on the pharmacodynamics and pharmacokinetics of 3,4-methylenedioxymethamphetamine in healthy volunteers. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2012</b> , 340, 286-94	4.7	56
58	Pharmacological profile of mephedrone analogs and related new psychoactive substances. <i>Neuropharmacology</i> , <b>2018</b> , 134, 4-12	5.5	54
57	An automated system for the analysis of G protein-coupled receptor transmembrane binding pockets: alignment, receptor-based pharmacophores, and their application. <i>Journal of Chemical Information and Modeling</i> , <b>2005</b> , 45, 1324-36	6.1	53

56	Opioid-induced inhibition of the human 5-HT and noradrenaline transporters in vitro: link to clinical reports of serotonin syndrome. <i>British Journal of Pharmacology</i> , <b>2018</b> , 175, 532-543	8.6	52
55	Geldanamycin restores a defective heat shock response in vivo. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 45160-7	5.4	51
54	Isolation and characterization of a phosphatidylinositol-glycan-anchor-specific phospholipase D from bovine brain. <i>FEBS Journal</i> , <b>1990</b> , 190, 593-601		51
53	The trace amine-associated receptor 1 modulates methamphetamine's neurochemical and behavioral effects. <i>Frontiers in Neuroscience</i> , <b>2015</b> , 9, 39	5.1	49
52	The Trace Amine-Associated Receptor 1 Agonist RO5256390 Blocks Compulsive, Binge-like Eating in Rats. <i>Neuropsychopharmacology</i> , <b>2017</b> , 42, 1458-1470	8.7	47
51	Selective antagonists of mouse trace amine-associated receptor 1 (mTAAR1): discovery of EPPTB (RO5212773). <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2011</b> , 21, 1227-31	2.9	46
50	Selective activation of the trace amine-associated receptor 1 decreases cocaine's reinforcing efficacy and prevents cocaine-induced changes in brain reward thresholds. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2015</b> , 63, 70-5	5.5	43
49	The impact of Bdnf gene deficiency to the memory impairment and brain pathology of APP <sup>swe</sup> /PS1 <sup>dE9</sup> mouse model of Alzheimer's disease. <i>PLoS ONE</i> , <b>2013</b> , 8, e68722	3.7	42
48	Acetylcholinesterase inhibitors rapidly activate Trk neurotrophin receptors in the mouse hippocampus. <i>Neuropharmacology</i> , <b>2011</b> , 61, 1291-6	5.5	42
47	Optimisation of imidazole compounds as selective TAAR1 agonists: discovery of RO5073012. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2012</b> , 22, 5244-8	2.9	39
46	A UGT2B10 splicing polymorphism common in african populations may greatly increase drug exposure. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2015</b> , 352, 358-67	4.7	38
45	Darkness reduces BDNF expression in the visual cortex and induces repressive chromatin remodeling at the BDNF gene in both hippocampus and visual cortex. <i>Cellular and Molecular Neurobiology</i> , <b>2010</b> , 30, 1117-23	4.6	38
44	Electrophysiological Phenotype in Angelman Syndrome Differs Between Genotypes. <i>Biological Psychiatry</i> , <b>2019</b> , 85, 752-759	7.9	33
43	A partial trace amine-associated receptor 1 agonist exhibits properties consistent with a methamphetamine substitution treatment. <i>Addiction Biology</i> , <b>2017</b> , 22, 1246-1256	4.6	32
42	Trace Amine-Associated Receptor 1 Agonists as Narcolepsy Therapeutics. <i>Biological Psychiatry</i> , <b>2017</b> , 82, 623-633	7.9	31
41	TAAR1-dependent effects of apomorphine in mice. <i>International Journal of Neuropsychopharmacology</i> , <b>2014</b> , 17, 1683-93	5.8	30
40	Role of trace amine-associated receptor 1 in nicotine's behavioral and neurochemical effects. <i>Neuropsychopharmacology</i> , <b>2018</b> , 43, 2435-2444	8.7	29
39	Pharmacological profile of methylphenidate-based designer drugs. <i>Neuropharmacology</i> , <b>2018</b> , 134, 133-140	5.4	29

38	Nerve growth factor (NGF) content in adult rat brain tissues is several-fold higher than generally reported and is largely associated with sedimentable fractions. <i>Brain Research</i> , <b>1996</b> , 728, 47-56	3.7	28
37	The <i>Caenorhabditis elegans</i> NR4A nuclear receptor is required for spermatheca morphogenesis. <i>Developmental Biology</i> , <b>2008</b> , 313, 767-86	3.1	27
36	Effects of the new psychoactive substances diclofenac, diphenidine, and methoxphenidine on monoaminergic systems. <i>European Journal of Pharmacology</i> , <b>2018</b> , 819, 242-247	5.3	25
35	Discovery and Characterization of 2-Aminooxazolines as Highly Potent, Selective, and Orally Active TAAR1 Agonists. <i>ACS Medicinal Chemistry Letters</i> , <b>2016</b> , 7, 192-7	4.3	24
34	Monoamine receptor interaction profiles of 4-thio-substituted phenethylamines (2C-T drugs). <i>Neuropharmacology</i> , <b>2018</b> , 134, 141-148	5.5	23
33	Interaction Between the Trace Amine-Associated Receptor 1 and the Dopamine D Receptor Controls Cocaine <sup>R</sup> Neurochemical Actions. <i>Scientific Reports</i> , <b>2017</b> , 7, 13901	4.9	21
32	Trace Amine-Associated Receptor 1 Regulates Wakefulness and EEG Spectral Composition. <i>Neuropsychopharmacology</i> , <b>2017</b> , 42, 1305-1314	8.7	20
31	Glycosyl-phosphatidylinositol-specific phospholipase D. Interaction with and stimulation by apolipoprotein A-I. <i>FEBS Letters</i> , <b>1993</b> , 327, 203-6	3.8	20
30	G protein-coupled receptor transmembrane binding pockets and their applications in GPCR research and drug discovery: a survey. <i>Current Topics in Medicinal Chemistry</i> , <b>2011</b> , 11, 1902-24	3	17
29	The psychostimulant (±)-cis-4,4Rdimethylaminorex (4,4RDMAR) interacts with human plasmalemmal and vesicular monoamine transporters. <i>Neuropharmacology</i> , <b>2018</b> , 138, 282-291	5.5	16
28	Metabolites of the ring-substituted stimulants MDMA, methylone and MDPV differentially affect human monoaminergic systems. <i>Journal of Psychopharmacology</i> , <b>2019</b> , 33, 831-841	4.6	15
27	Role played by sodium in activity-dependent secretion of neurotrophins - revisited. <i>European Journal of Neuroscience</i> , <b>2000</b> , 12, 3096-106	3.5	13
26	Monoamine receptor interaction profiles of 4-aryl-substituted 2,5-dimethoxyphenethylamines (2C-BI derivatives). <i>European Journal of Pharmacology</i> , <b>2019</b> , 855, 103-111	5.3	11
25	Stereochemistry of phase-1 metabolites of mephedrone determines their effectiveness as releasers at the serotonin transporter. <i>Neuropharmacology</i> , <b>2019</b> , 148, 199-209	5.5	11
24	A functional NR4A nuclear receptor DNA-binding domain is required for organ development in <i>Caenorhabditis elegans</i> . <i>Genesis</i> , <b>2010</b> , 48, 485-91	1.9	10
23	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. <i>Journal of Neuroscience Research</i> , <b>1997</b> , 49, 508-514	4.4	10
22	Trace amine-associated receptor 1 agonism promotes wakefulness without impairment of cognition in <i>Cynomolgus</i> macaques. <i>Neuropsychopharmacology</i> , <b>2019</b> , 44, 1485-1493	8.7	9
21	How Female Mice Attract Males: A Urinary Volatile Amine Activates a Trace Amine-Associated Receptor That Induces Male Sexual Interest. <i>Frontiers in Pharmacology</i> , <b>2018</b> , 9, 924	5.6	9

20	Cytochrome P450 enzymes contribute to the metabolism of LSD to nor-LSD and 2-oxo-3-hydroxy-LSD: Implications for clinical LSD use. <i>Biochemical Pharmacology</i> , <b>2019</b> , 164, 129-138	6	8
19	Pharmacological characterization of the aminorex analogs 4-MAR, 4,4RDMAR, and 3,4-DMAR. <i>NeuroToxicology</i> , <b>2019</b> , 72, 95-100	4-4	8
18	Reversible sedimentation and masking of nerve growth factor (NGF) antigen by high molecular weight fractions from rat brain. <i>Brain Research</i> , <b>1997</b> , 772, 1-8	3-7	7
17	Receptor Interaction Profiles of 4-Alkoxy-Substituted 2,5-Dimethoxyphenethylamines and Related Amphetamines. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 1423	5-6	7
16	Deletion of Trace Amine-Associated Receptor 1 Attenuates Behavioral Responses to Caffeine. <i>Frontiers in Pharmacology</i> , <b>2018</b> , 9, 35	5-6	6
15	Partial cortical devascularization results in elevations of cortical nerve growth factor and increases nerve growth factor protein within basal forebrain cholinergic neurons. <i>Neuroscience</i> , <b>1998</b> , 83, 1003-113-9	3-9	6
14	Activation of trace amine-associated receptor 1 attenuates schedule-induced polydipsia in rats. <i>Neuropharmacology</i> , <b>2019</b> , 144, 184-192	5-5	6
13	Secreted retrovirus-like GAG-domain-containing protein PEG10 is regulated by UBE3A and is involved in Angelman syndrome pathophysiology. <i>Cell Reports Medicine</i> , <b>2021</b> , 2, 100360	18	6
12	Antisense oligonucleotide treatment rescues UBE3A expression and multiple phenotypes of an Angelman syndrome mouse model. <i>JCI Insight</i> , <b>2021</b> , 6,	9-9	5
11	TAAR1 levels and sub-cellular distribution are cell line but not breast cancer subtype specific. <i>Histochemistry and Cell Biology</i> , <b>2019</b> , 152, 155-166	2-4	4
10	Pharmacological profiles of compounds in preworkout supplements ("boosters"). <i>European Journal of Pharmacology</i> , <b>2019</b> , 859, 172515	5-3	4
9	The Pharmacological Profile of Second Generation Pyrovalerone Cathinones and Related Cathinone Derivative. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6-3	3
8	TAAR1 Expression in Human Macrophages and Brain Tissue: A Potential Novel Facet of MS Neuroinflammation. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6-3	2
7	P.l.c.038 Modulation of dopaminergic activity in the mesolimbic system by trace amine-associated receptor 1 (TAAR1) modification. <i>European Neuropsychopharmacology</i> , <b>2009</b> , 19, S273	1-2	1
6	Conversion of the amphiphilic 115 kDa Form of Glycosyl-Phosphatidylinositol-specific Phospholipase D to an active, hydrophilic 47 kDa Form <b>1994</b> , 71-78		1
5	Phosphatidylinositol Glycan-Anchor-Specific Phospholipase D from Mammalian Brain. <i>Methods in Neurosciences</i> , <b>1993</b> , 3-13		1
4	Receptor Interaction Profiles of 4-Alkoxy-3,5-Dimethoxy-Phenethylamines (Mescaline Derivatives) and Related Amphetamines.. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 794254	5-6	0
3	Pharmacological characterization of 3,4-methylenedioxamphetamine (MDA) analogs and two amphetamine-based compounds: N,β-DEPEA and DPIA.. <i>European Neuropsychopharmacology</i> , <b>2022</b> , 59, 9-22	1-2	0

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| 2 | P.1.h.027 Dopamine transporter knockout rats: new experimental model in behavioral psychopharmacology research. <i>European Neuropsychopharmacology</i> , <b>2014</b> , 24, S285 | 1.2 |
| 1 | In vitro pharmacology of pipradrol derivatives, 3,4-methylenedioxypropylamphetamine, and naphyrone (1145.3). <i>FASEB Journal</i> , <b>2014</b> , 28, 1145.3                     | 0.9 |