

# Bertha K Madras

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

107  
papers

5,947  
citations

41  
h-index

75  
g-index

110  
ext. papers

6,401  
ext. citations

5.4  
avg, IF

5.75  
L-index

#	Paper	IF	Citations
107	Effects of daily $\Delta^9$ Tetrahydrocannabinol (THC) alone or combined with cannabidiol (CBD) on cognition-based behavior and activity in adolescent nonhuman primates. <i>Drug and Alcohol Dependence</i> , <b>2021</b> , 221, 108629	4.9	8
106	In memoriam professor Philip Seeman (February 8, 1934-January 9, 2021). <i>Neuropsychopharmacology</i> , <b>2021</b> , 46, 1229-1230	8.7	1
105	THC and CBD blood and brain concentrations following daily administration to adolescent primates. <i>Drug and Alcohol Dependence</i> , <b>2020</b> , 213, 108129	4.9	8
104	Sex difference in dopamine D1-D2 receptor complex expression and signaling affects depression- and anxiety-like behaviors. <i>Biology of Sex Differences</i> , <b>2020</b> , 11, 8	9.3	19
103	Improving Access to Evidence-Based Medical Treatment for Opioid Use Disorder: Strategies to Address Key Barriers within the Treatment System.. <i>NAM Perspectives</i> , <b>2020</b> , 2020,	2.8	34
102	Cannabinoid and Marijuana Neurobiology <b>2020</b> , 25-47		
101	$\Delta^9$ Tetrahydrocannabinol Increases Dopamine D1-D2 Receptor Heteromer and Elicits Phenotypic Reprogramming in Adult Primate Striatal Neurons. <i>iScience</i> , <b>2020</b> , 23, 100794	6.1	12
100	Dopamine D1-D2 receptor heteromer expression in key brain regions of rat and higher species: Upregulation in rat striatum after cocaine administration. <i>Neurobiology of Disease</i> , <b>2020</b> , 143, 105017	7.5	10
99	Psychiatry and the Opioid Overdose Crisis. <i>Focus (American Psychiatric Publishing)</i> , <b>2019</b> , 17, 128-133	1.1	4
98	Associations of Parental Marijuana Use With Offspring Marijuana, Tobacco, and Alcohol Use and Opioid Misuse. <i>JAMA Network Open</i> , <b>2019</b> , 2, e1916015	10.4	22
97	The President's Commission on Combating Drug Addiction and the Opioid Crisis: Origins and Recommendations. <i>Clinical Pharmacology and Therapeutics</i> , <b>2018</b> , 103, 943-945	6.1	41
96	Pharmacological Research as a Key Component in Mitigating the Opioid Overdose Crisis. <i>Trends in Pharmacological Sciences</i> , <b>2018</b> , 39, 995-998	13.2	31
95	Drug use among youth: National survey data support a common liability of all drug use. <i>Preventive Medicine</i> , <b>2018</b> , 113, 68-73	4.3	19
94	The Surge of Opioid Use, Addiction, and Overdoses: Responsibility and Response of the US Health Care System. <i>JAMA Psychiatry</i> , <b>2017</b> , 74, 441-442	14.5	67
93	Ineffective Policies to Address the Opioid Epidemic-Reply. <i>JAMA Psychiatry</i> , <b>2017</b> , 74, 974-975	14.5	
92	The Growing Problem of New Psychoactive Substances (NPS). <i>Current Topics in Behavioral Neurosciences</i> , <b>2017</b> , 32, 1-18	3.4	38
91	Cannabis and Medicinal Properties. <i>South Dakota Medicine: the Journal of the South Dakota State Medical Association</i> , <b>2016</b> , No, 34-45	0.2	

90	Vesicular monoamine transporter 2 loss in human cocaine abusers confirmed in nonhuman primate brain. <i>Biological Psychiatry</i> , <b>2015</b> , 77, 421-2	7.9	
89	Dopamine challenge reveals neuroadaptive changes in marijuana abusers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 11915-6	11.5	2
88	Drug Use and Its Consequences <b>2014</b> , 1-35		1
87	History of the discovery of the antipsychotic dopamine D2 receptor: a basis for the dopamine hypothesis of schizophrenia. <i>Journal of the History of the Neurosciences</i> , <b>2013</b> , 22, 62-78	0.7	67
86	Functional genomics of attention-deficit/hyperactivity disorder (ADHD) risk alleles on dopamine transporter binding in ADHD and healthy control subjects. <i>Biological Psychiatry</i> , <b>2013</b> , 74, 84-9	7.9	39
85	Prescription opioid abuse: challenges and opportunities for payers. <i>American Journal of Managed Care</i> , <b>2013</b> , 19, 295-302	2.1	35
84	Synthesis and structure-activity relationship studies of 3-biaryl-8-oxabicyclo[3.2.1]octane-2-carboxylic acid methyl esters. <i>Bioorganic and Medicinal Chemistry</i> , <b>2012</b> , 20, 2762-72	3.4	3
83	Candidate performance measures for screening for, assessing, and treating unhealthy substance use in hospitals. <i>Annals of Internal Medicine</i> , <b>2011</b> , 154, 72-3; author reply 73-4	8	3
82	Growth-associated protein-43 and ephrin B3 induction in the brain of adult SIV-infected rhesus macaques. <i>Journal of NeuroVirology</i> , <b>2011</b> , 17, 455-68	3.9	2
81	The synthesis and biological evaluation of 2-(3-methyl or 3-phenylisoxazol-5-yl)-3-aryl-8-thiabicyclo[3.2.1]octanes. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2011</b> , 21, 48-51	2.9	5
80	Office of National Drug Control Policy: a scientist in drug policy in Washington, DC. <i>Annals of the New York Academy of Sciences</i> , <b>2010</b> , 1187, 370-402	6.5	6
79	A positron emission tomography study examining the dopaminergic activity of armodafinil in adults using [ <sup>11</sup> C]altropane and [ <sup>11</sup> C]raclopride. <i>Biological Psychiatry</i> , <b>2010</b> , 68, 964-70	7.9	16
78	Screening, brief interventions, referral to treatment (SBIRT) for illicit drug and alcohol use at multiple healthcare sites: comparison at intake and 6 months later. <i>Drug and Alcohol Dependence</i> , <b>2009</b> , 99, 280-95	4.9	525
77	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> , <b>2008</b> , 22, 187-202	4.6	21
76	Further evidence of dopamine transporter dysregulation in ADHD: a controlled PET imaging study using altropane. <i>Biological Psychiatry</i> , <b>2007</b> , 62, 1059-61	7.9	116
75	Synthesis of 8-thiabicyclo[3.2.1]octanes and their binding affinity for the dopamine and serotonin transporters. <i>Bioorganic and Medicinal Chemistry</i> , <b>2007</b> , 15, 1067-82	3.4	7
74	MDMA (Ecstasy) and human dopamine, norepinephrine, and serotonin transporters: implications for MDMA-induced neurotoxicity and treatment. <i>Psychopharmacology</i> , <b>2007</b> , 189, 489-503	4.7	119
73	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> , <b>2007</b> , 321, 116-27	4.7	91

72	Ephrin/Eph receptor expression in brain of adult nonhuman primates: implications for neuroadaptation. <i>Brain Research</i> , <b>2006</b> , 1067, 67-77	3.7	24
71	PET study examining pharmacokinetics, detection and likeability, and dopamine transporter receptor occupancy of short- and long-acting oral methylphenidate. <i>American Journal of Psychiatry</i> , <b>2006</b> , 163, 387-95	11.9	166
70	Cerebellar vermis involvement in cocaine-related behaviors. <i>Neuropsychopharmacology</i> , <b>2006</b> , 31, 1318-26	26.7	79
69	Dopamine transporter (DAT) inhibitors alleviate specific parkinsonian deficits in monkeys: association with DAT occupancy in vivo. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2006</b> , 319, 570-85	4.7	20
68	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> , <b>2006</b> , 319, 561-9	4.7	268
67	Receptor regulation of gene expression of axon guidance molecules: implications for adaptation. <i>Molecular Pharmacology</i> , <b>2006</b> , 70, 71-7	4.3	35
66	1-(4-Methylphenyl)-2-pyrrolidin-1-yl-pentan-1-one (Pyrovalerone) analogues: a promising class of monoamine uptake inhibitors. <i>Journal of Medicinal Chemistry</i> , <b>2006</b> , 49, 1420-32	8.3	292
65	Synthesis of 3-(4-heteroaryl-phenyl)-8-oxabicyclo[3.2.1]octane-2-carboxylic acid methyl esters. <i>Tetrahedron Letters</i> , <b>2006</b> , 47, 599-603	2	10
64	Primate trace amine receptor 1 modulation by the dopamine transporter. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2005</b> , 313, 983-94	4.7	89
63	Variants of the primate vesicular monoamine transporter-2. <i>Molecular Brain Research</i> , <b>2005</b> , 139, 251-7		7
62	The dopamine transporter and attention-deficit/hyperactivity disorder. <i>Biological Psychiatry</i> , <b>2005</b> , 57, 1397-409	7.9	285
61	In vivo neuroreceptor imaging in attention-deficit/hyperactivity disorder: a focus on the dopamine transporter. <i>Biological Psychiatry</i> , <b>2005</b> , 57, 1293-300	7.9	143
60	Dopamine and norepinephrine transporter-dependent c-Fos production in vitro: relevance to neuroadaptation. <i>Journal of Neuroscience Methods</i> , <b>2005</b> , 143, 69-78	3	4
59	Repetitive behaviors in monkeys are linked to specific striatal activation patterns. <i>Journal of Neuroscience</i> , <b>2004</b> , 24, 7557-65	6.6	115
58	Synthesis of 8-thiabicyclo[3.2.1]oct-2-enes and their binding affinity for the dopamine and serotonin transporters. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2004</b> , 14, 6007-10	2.9	8
57	Synthesis and biological activity of 2-carbomethoxy-3-catechol-8-azabicyclo[3.2.1]octanes. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2003</b> , 13, 4133-7	2.9	5
56	Non-amine-based dopamine transporter (reuptake) inhibitors retain properties of amine-based progenitors. <i>European Journal of Pharmacology</i> , <b>2003</b> , 479, 41-51	5.3	13
55	A second-generation 99m technetium single photon emission computed tomography agent that provides in vivo images of the dopamine transporter in primate brain. <i>Journal of Medicinal Chemistry</i> , <b>2003</b> , 46, 3483-96	8.3	10

54	Synthesis and evaluation of dopamine and serotonin transporter inhibition by oxacyclic and carbacyclic analogues of methylphenidate. <i>Journal of Medicinal Chemistry</i> , <b>2003</b> , 46, 1538-45	8.3	30
53	Design and synthesis of an irreversible dopamine-sparing cocaine antagonist. <i>Bioorganic and Medicinal Chemistry</i> , <b>2002</b> , 10, 3583-91	3.4	22
52	Dopamine transporter-dependent induction of C-Fos in HEK cells. <i>Synapse</i> , <b>2002</b> , 45, 52-65	2.4	26
51	Melatonin promotes sleep in three species of diurnal nonhuman primates. <i>Physiology and Behavior</i> , <b>2002</b> , 75, 523-9	3.5	110
50	Methylphenidate elevates resting dopamine which lowers the impulse-triggered release of dopamine: a hypothesis. <i>Behavioural Brain Research</i> , <b>2002</b> , 130, 79-83	3.4	119
49	The dopamine transporter: relevance to attention deficit hyperactivity disorder (ADHD). <i>Behavioural Brain Research</i> , <b>2002</b> , 130, 57-63	3.4	83
48	Cannabinoid receptor agonist and antagonist effects on motor function in normal and 1-methyl-4-phenyl-1,2,5,6-tetrahydropyridine (MPTP)-treated non-human primates. <i>Psychopharmacology</i> , <b>2001</b> , 156, 79-85	4.7	75
47	Non-amines, drugs without an amine nitrogen, potently block serotonin transport: novel antidepressant candidates?. <i>Synapse</i> , <b>2001</b> , 42, 129-40	2.4	14
46	Synthesis and preliminary characterization of a high-affinity novel radioligand for the dopamine transporter. <i>Synapse</i> , <b>2001</b> , 39, 175-81	2.4	7
45	[(11)C, (127)I] Altoprane: a highly selective ligand for PET imaging of dopamine transporter sites. <i>Synapse</i> , <b>2001</b> , 39, 332-42	2.4	53
44	Cloning of dopamine, norepinephrine and serotonin transporters from monkey brain: relevance to cocaine sensitivity. <i>Molecular Brain Research</i> , <b>2001</b> , 87, 124-43		69
43	Synthesis of 6- and 7- hydroxy-8-azabicyclo[3.2.1]octanes and their binding affinity for the dopamine and serotonin transporters. <i>Journal of Medicinal Chemistry</i> , <b>2001</b> , 44, 2619-35	8.3	37
42	[(3)H]PNU-101958, a D(4) dopamine receptor probe, accumulates in prefrontal cortex and hippocampus of non-human primate brain. <i>Synapse</i> , <b>2000</b> , 37, 232-44	2.4	42
41	3-Aryl-2-carbomethoxybicyclo[3.2.1]oct-2-enes inhibit WIN 35,428 binding potently and selectively at the dopamine transporter. <i>Bioorganic and Medicinal Chemistry</i> , <b>2000</b> , 8, 581-90	3.4	20
40	Molecular and regional targets of cocaine in primate brain: liberation from prosaic views. <i>Addiction Biology</i> , <b>2000</b> , 5, 351-9	4.6	4
39	Dopamine-transporter density in patients with ADHD. <i>Lancet, The</i> , <b>2000</b> , 355, 1461-1462	4.0	8
38	2-Carbomethoxy-3-aryl-8-bicyclo[3.2.1]octanes: potent non-nitrogen inhibitors of monoamine transporters. <i>Journal of Medicinal Chemistry</i> , <b>2000</b> , 43, 2982-91	8.3	56
37	Bicyclo[3.2.1]octanes: synthesis and inhibition of binding at the dopamine and serotonin transporters. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>1999</b> , 9, 857-62	2.9	29

36	Concentration of dopamine transporters: to Bmax or not to Bmax?. <i>Synapse</i> , <b>1999</b> , 32, 136-40	2.4	11
35	Non-amine dopamine transporter probe [(3)H]tropoxene distributes to dopamine-rich regions of monkey brain. <i>Synapse</i> , <b>1999</b> , 34, 20-7	2.4	12
34	Dopamine transporter density in patients with attention deficit hyperactivity disorder. <i>Lancet, The</i> , <b>1999</b> , 354, 2132-3	4.0	519
33	Altoprane, a SPECT or PET imaging probe for dopamine neurons: II. Distribution to dopamine-rich regions of primate brain. <i>Synapse</i> , <b>1998</b> , 29, 105-15	2.4	30
32	Altoprane, a SPECT or PET imaging probe for dopamine neurons: III. Human dopamine transporter in postmortem normal and Parkinson's diseased brain. <i>Synapse</i> , <b>1998</b> , 29, 116-27	2.4	46
31	Rapid detection of Parkinson's disease by SPECT with altoprane: a selective ligand for dopamine transporters. <i>Synapse</i> , <b>1998</b> , 29, 128-41	2.4	82
30	Altoprane, a SPECT or PET imaging probe for dopamine neurons: I. Dopamine transporter binding in primate brain. <i>Synapse</i> , <b>1998</b> , 29, 93-104	2.4	35
29	A technetium-99m SPECT imaging agent which targets the dopamine transporter in primate brain. <i>Journal of Medicinal Chemistry</i> , <b>1997</b> , 40, 1835-44	8.3	54
28	Imaging of dopamine transporters in humans with technetium-99m TRODAT-1. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>1997</b> , 24, 462-3		2
27	2-Carbomethoxy-3-aryl-8-oxabicyclo[3.2.1]octanes: potent non-nitrogen inhibitors of monoamine transporters. <i>Journal of Medicinal Chemistry</i> , <b>1997</b> , 40, 2661-73	8.3	89
26	2-Carbomethoxy-3-(diarylmethoxy)-1 alpha H, 5 alpha H-tropine analogs: synthesis and inhibition of binding at the dopamine transporter and comparison with piperazines of the GBR series. <i>Journal of Medicinal Chemistry</i> , <b>1996</b> , 39, 371-9	8.3	43
25	Technepine: a high-affinity 99m-technetium probe to label the dopamine transporter in brain by SPECT imaging. <i>Synapse</i> , <b>1996</b> , 22, 239-46	2.4	52
24	Quantification of dopamine transporter density in monkeys by dynamic PET imaging of multiple injections of 11C-CFT. <i>Synapse</i> , <b>1996</b> , 24, 262-72	2.4	32
23	Nitrogen-based drugs are not essential for blockade of monoamine transporters. <i>Synapse</i> , <b>1996</b> , 24, 340-34		59
22	Cocaine accumulates in dopamine-rich regions of primate brain after i.v. administration: comparison with mazindol distribution. <i>Synapse</i> , <b>1994</b> , 18, 261-75	2.4	46
21	11C-WIN 35,428 for detecting dopamine depletion in mild Parkinson's disease. <i>Annals of Neurology</i> , <b>1994</b> , 35, 376-7	9.4	11
20	O-526, a piperidine analog of GBR 12909, retains high affinity for the dopamine transporter in monkey caudate-putamen. <i>European Journal of Pharmacology</i> , <b>1994</b> , 267, 167-73		19
19	The discovery of an unusually selective and novel cocaine analog: difluoropine. Synthesis and inhibition of binding at cocaine recognition sites. <i>Journal of Medicinal Chemistry</i> , <b>1994</b> , 37, 2001-10	8.3	85

18	[3H]CFT ([3H]WIN 35,428) accumulation in dopamine regions of monkey brain: comparison of a mature and an aged monkey. <i>Brain Research</i> , <b>1993</b> , 611, 322-5	3.7	18
17	A primate model of Huntington's disease: functional neural transplantation and CT-guided stereotactic procedures. <i>Cell Transplantation</i> , <b>1992</b> , 1, 313-22	4	30
16	Distribution of cocaine recognition sites in monkey brain: II. Ex vivo autoradiography with [3H]CFT and [125I]RTI-55. <i>Synapse</i> , <b>1992</b> , 12, 99-111	2.4	52
15	Fluorescent probes for dopamine receptors: synthesis and characterization of fluorescein and 7-nitrobenz-2-oxa-1,3-diazol-4-yl conjugates of D-1 and D-2 receptor ligands. <i>Journal of Medicinal Chemistry</i> , <b>1991</b> , 34, 3235-41	8.3	34
14	Severe depletion of cocaine recognition sites associated with the dopamine transporter in Parkinson's-diseased striatum. <i>Synapse</i> , <b>1991</b> , 9, 43-9	2.4	211
13	Distribution of cocaine recognition sites in monkey brain: I. In vitro autoradiography with [3H]CFT. <i>Synapse</i> , <b>1991</b> , 9, 177-87	2.4	55
12	Synthesis and receptor binding of N-substituted tropane derivatives. High-affinity ligands for the cocaine receptor. <i>Journal of Medicinal Chemistry</i> , <b>1991</b> , 34, 1728-31	8.3	45
11	Autoradiographic localization of cocaine binding sites by [3H]CFT ([3H]WIN 35,428) in the monkey brain. <i>Synapse</i> , <b>1990</b> , 6, 189-95	2.4	91
10	D1 and D2 dopamine receptors in caudate-putamen of nonhuman primates ( <i>Macaca fascicularis</i> ). <i>Journal of Neurochemistry</i> , <b>1988</b> , 51, 934-43	6	65
9	Drug potencies on partially purified brain D2 dopamine receptors. <i>Journal of Neurochemistry</i> , <b>1985</b> , 44, 856-61	6	12
8	Solubilized receptors for [3H]dopamine (D3 binding sites) from canine brain. <i>Biochemical Pharmacology</i> , <b>1982</b> , 31, 1183-7	6	10
7	Solubilized dopamine/neuroleptic receptors (D2-type). <i>Progress in Neuro-Psychopharmacology &amp; Biological Psychiatry</i> , <b>1981</b> , 5, 543-8		6
6	Effects of skim milk, whole milk and light cream on serum tryptophan binding and brain tryptophan concentrations in rats. <i>Journal of Nutrition</i> , <b>1975</b> , 105, 1359-62	4.1	13
5	Relevance of free tryptophan in serum to tissue tryptophan concentrations. <i>Metabolism: Clinical and Experimental</i> , <b>1974</b> , 23, 1107-16	12.7	139
4	Serum tryptophan level after carbohydrate ingestion: selective decline in non-albumin-bound tryptophan coincident with reduction in serum free fatty acids. <i>Life Sciences</i> , <b>1973</b> , 12, 57-64	6.8	83
3	Formation of respiratory <sup>14</sup> CO <sub>2</sub> from variously labeled forms of tryptophan- <sup>14</sup> C in intact and adrenalectomized rats. <i>Archives of Biochemistry and Biophysics</i> , <b>1968</b> , 125, 829-36	4.1	35
2	Effects of drugs on the metabolism of tryptophan. Alpha-hydrazinotryptophan and other amino acid analogs. <i>Biochemical Pharmacology</i> , <b>1968</b> , 17, 1037-47	6	15
1	Metabolism of alpha-methyltryptophan. <i>Biochemical Pharmacology</i> , <b>1965</b> , 14, 1499-506	6	32

