

Trent J Volz

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,365
citations

516710

16
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

1608
citing authors

#	ARTICLE	IF	CITATIONS
1	Age-dependent differences in dopamine transporter and vesicular monoamine transporter function and their implications for methamphetamine neurotoxicity. <i>Synapse</i> , 2009, 63, 147-151.	1.2	43
2	Cocaine Alters Vesicular Dopamine Sequestration and Potassium-Stimulated Dopamine Release: The Role of D2 Receptor Activation. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 328, 807-812.	2.5	19
3	Method development and validation of an in vitro model of the effects of methylphenidate on membrane-associated synaptic vesicles. <i>Journal of Neuroscience Methods</i> , 2009, 177, 177-182.	2.5	6
4	Measurement of plasmalemmal dopamine transport, vesicular dopamine transport, and K ⁺ -stimulated dopamine release in frozen rat brain tissue. <i>Journal of Neuroscience Methods</i> , 2009, 180, 317-320.	2.5	7
5	Psychostimulant-induced alterations in vesicular monoamine transporter-2 function: Neurotoxic and therapeutic implications. <i>Neuropharmacology</i> , 2009, 56, 133-138.	4.1	91
6	Methylphenidate-Induced Alterations in Synaptic Vesicle Trafficking and Activity. <i>Annals of the New York Academy of Sciences</i> , 2008, 1139, 285-290.	3.8	25
7	Methylphenidate-Induced Increases in Vesicular Dopamine Sequestration and Dopamine Release in the Striatum: The Role of Muscarinic and Dopamine D2 Receptors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008, 327, 161-167.	2.5	29
8	Methylphenidate Administration Alters Vesicular Monoamine Transporter-2 Function in Cytoplasmic and Membrane-Associated Vesicles. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 323, 738-745.	2.5	42
9	New Insights into the Mechanism of Action of Amphetamines. <i>Annual Review of Pharmacology and Toxicology</i> , 2007, 47, 681-698.	9.4	636
10	Methamphetamine-induced alterations in monoamine transport: implications for neurotoxicity, neuroprotection and treatment. <i>Addiction</i> , 2007, 102, 44-48.	3.3	73
11	The role of the plasmalemmal dopamine and vesicular monoamine transporters in methamphetamine-induced dopaminergic deficits. <i>Journal of Neurochemistry</i> , 2007, 101, 883-888.	3.9	67
12	Differential effects of Zn ²⁺ on the kinetics and cocaine inhibition of dopamine transport by the human and rat dopamine transporters. <i>European Journal of Pharmacology</i> , 2007, 565, 17-25.	3.5	11
13	Kinetic analysis of developmental changes in vesicular monoamine transporter-2 function. <i>Synapse</i> , 2006, 60, 474-477.	1.2	17
14	Measurement of kinetically resolved vesicular dopamine uptake and efflux using rotating disk electrode voltammetry. <i>Journal of Neuroscience Methods</i> , 2006, 155, 109-115.	2.5	35
15	Methamphetamine Administration Reduces Hippocampal Vesicular Monoamine Transporter-2 Uptake. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 318, 676-682.	2.5	19
16	In Vitro Assessment of Dopamine Uptake and Methamphetamine-Induced Dopamine Efflux at the Vesicular Monoamine Transporter. <i>FASEB Journal</i> , 2006, 20, A684.	0.5	0
17	Acute Ethanol Decreases Dopamine Transporter Velocity in Rat Striatum: In Vivo and In Vitro Electrochemical Measurements. <i>Alcoholism: Clinical and Experimental Research</i> , 2005, 29, 746-755.	2.4	44
18	Methylphenidate analogs with behavioral differences interact differently with arginine residues on the dopamine transporter in rat striatum. <i>Synapse</i> , 2005, 57, 175-178.	1.2	14

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19	A comprehensive atlas of the topography of functional groups of the dopamine transporter. <i>Synapse</i> , 2005, 58, 72-94.	1.2	40
20	Covalent and noncovalent chemical modifications of arginine residues decrease dopamine transporter activity. <i>Synapse</i> , 2004, 52, 272-282.	1.2	16
21	L-arginine increases dopamine transporter activity in rat striatum via a nitric oxide synthase-dependent mechanism. <i>Synapse</i> , 2004, 54, 173-182.	1.2	32
22	Evidence for Two Different Active Oxygen Species in Cytochrome P450 BM3 Mediated Sulfoxidation and N-Dealkylation Reactions. <i>Journal of the American Chemical Society</i> , 2002, 124, 9724-9725.	13.7	99