

# Trent J Volz

## List of Publications by Year in descending order

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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	New Insights into the Mechanism of Action of Amphetamines. Annual Review of Pharmacology and Toxicology, 2007, 47, 681-698.	9.4	636
2	Evidence for Two Different Active Oxygen Species in Cytochrome P450 BM3 Mediated Sulfoxidation and N-Dealkylation Reactions. Journal of the American Chemical Society, 2002, 124, 9724-9725.	13.7	99
3	Psychostimulant-induced alterations in vesicular monoamine transporter-2 function: Neurotoxic and therapeutic implications. Neuropharmacology, 2009, 56, 133-138.	4.1	91
4	Methamphetamine-induced alterations in monoamine transport: implications for neurotoxicity, neuroprotection and treatment. Addiction, 2007, 102, 44-48.	3.3	73
5	The role of the plasmalemmal dopamine and vesicular monoamine transporters in methamphetamine-induced dopaminergic deficits. Journal of Neurochemistry, 2007, 101, 883-888.	3.9	67
6	Acute Ethanol Decreases Dopamine Transporter Velocity in Rat Striatum: In Vivo and In Vitro Electrochemical Measurements. Alcoholism: Clinical and Experimental Research, 2005, 29, 746-755.	2.4	44
7	Age-dependent differences in dopamine transporter and vesicular monoamine transporter-2 function and their implications for methamphetamine neurotoxicity. Synapse, 2009, 63, 147-151.	1.2	43
8	Methylphenidate Administration Alters Vesicular Monoamine Transporter-2 Function in Cytoplasmic and Membrane-Associated Vesicles. Journal of Pharmacology and Experimental Therapeutics, 2007, 323, 738-745.	2.5	42
9	A comprehensive atlas of the topography of functional groups of the dopamine transporter. Synapse, 2005, 58, 72-94.	1.2	40
10	Measurement of kinetically resolved vesicular dopamine uptake and efflux using rotating disk electrode voltammetry. Journal of Neuroscience Methods, 2006, 155, 109-115.	2.5	35
11	L-arginine increases dopamine transporter activity in rat striatum via a nitric oxide synthase-dependent mechanism. Synapse, 2004, 54, 173-182.	1.2	32
12	Methylphenidate-Induced Increases in Vesicular Dopamine Sequestration and Dopamine Release in the Striatum: The Role of Muscarinic and Dopamine D2 Receptors. Journal of Pharmacology and Experimental Therapeutics, 2008, 327, 161-167.	2.5	29
13	Methylphenidate-Induced Alterations in Synaptic Vesicle Trafficking and Activity. Annals of the New York Academy of Sciences, 2008, 1139, 285-290.	3.8	25
14	Methamphetamine Administration Reduces Hippocampal Vesicular Monoamine Transporter-2 Uptake. Journal of Pharmacology and Experimental Therapeutics, 2006, 318, 676-682.	2.5	19
15	Cocaine Alters Vesicular Dopamine Sequestration and Potassium-Stimulated Dopamine Release: The Role of D2 Receptor Activation. Journal of Pharmacology and Experimental Therapeutics, 2009, 328, 807-812.	2.5	19
16	Kinetic analysis of developmental changes in vesicular monoamine transporter-2 function. Synapse, 2006, 60, 474-477.	1.2	17
17	Covalent and noncovalent chemical modifications of arginine residues decrease dopamine transporter activity. Synapse, 2004, 52, 272-282.	1.2	16
18	Methylphenidate analogs with behavioral differences interact differently with arginine residues on the dopamine transporter in rat striatum. Synapse, 2005, 57, 175-178.	1.2	14

#	ARTICLE	IF	CITATIONS
19	Differential effects of Zn <sup>2+</sup> 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
20	Measurement of plasmalemmal dopamine transport, vesicular dopamine transport, and K <sup>+</sup> -stimulated dopamine release in frozen rat brain tissue. <i>Journal of Neuroscience Methods</i> , 2009, 180, 317-320.	2.5	7
21	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
22	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