Anthony R West

List of Publications by Year
in descending order

42 papers	1,890 citations	304743 22 h-index	302126 39 g-index
47 all docs	47 docs citations	47 times ranked	1914 citing authors

#	Article	IF	Citations
1	Opposite Influences of Endogenous Dopamine D₁and D₂Receptor Activation on Activity States and Electrophysiological Properties of Striatal Neurons: Studies CombiningIn VivoIntracellular Recordings and Reverse Microdialysis. Journal of Neuroscience, 2002, 22, 294-304.	3.6	226
2	Regulation of striatal dopamine neurotransmission by nitric oxide: Effector pathways and signaling mechanisms. Synapse, 2002, 44, 227-245.	1.2	194
3	Inhibition of Phosphodiesterase 10A Increases the Responsiveness of Striatal Projection Neurons to Cortical Stimulation. Journal of Pharmacology and Experimental Therapeutics, 2009, 328, 785-795.	2.5	119
4	The Nitric Oxide-Guanylyl Cyclase Signaling Pathway Modulates Membrane Activity States and Electrophysiological Properties of Striatal Medium Spiny Neurons Recorded In Vivo. Journal of Neuroscience, 2004, 24, 1924-1935.	3.6	98
5	Phosphodiesterase 10A Inhibition Improves Cortico-Basal Ganglia Function in Huntingtonâ€™s Disease Models. Neuron, 2016, 92, 1220-1237.	8.1	92
6	Striatal Nitric Oxide Signaling Regulates the Neuronal Activity of Midbrain Dopamine Neurons In Vivo. Journal of Neurophysiology, 2000, 83, 1796-1808.	1.8	91
7	Phasic Dopaminergic Transmission Increases NO Efflux in the Rat Dorsal Striatum via a Neuronal NOS and a Dopamine D1/5 Receptor-Dependent Mechanism. Neuropsychopharmacology, 2006, 31, 493-505.	5.4	90
8	Nitric Oxide Signaling Is Recruited As a Compensatory Mechanism for Sustaining Synaptic Plasticity in Alzheimer's Disease Mice. Journal of Neuroscience, 2015, 35, 6893-6902.	3.6	73
9	Dopamine D2 receptor-dependent modulation of striatal NO synthase activity. Psychopharmacology, 2007, 191, 793-803.	3.1	63
10	Nitric Oxideâ€“Soluble Guanylyl Cyclaseâ€“Cyclic GMP Signaling in the Striatum: New Targets for the Treatment of Parkinson's Disease?. Frontiers in Systems Neuroscience, 2011, 5, 55.	2.5	59
11	Frontal cortical afferents facilitate striatal nitric oxide transmission in vivo via a NMDA receptor and neuronal NOSâ€dependent mechanism. Journal of Neurochemistry, 2007, 103, 1145-1156.	3.9	57
12	Reduced presynaptic vesicle stores mediate cellular and network plasticity defects in an early-stage mouse model of Alzheimerâ€™s disease. Molecular Neurodegeneration, 2019, 14, 7.	10.8	52
13	Modulation of striatal neuron activity by cyclic nucleotide signalling and phosphodiesterase inhibition. Basal Ganglia, 2013, 3, 137-146.	0.3	50
14	Regulation of dopamine neurotransmission from serotonergic neurons by ectopic expression of the dopamine D2 autoreceptor blocks levodopa-induced dyskinesia. Acta Neuropathologica Communications, 2019, 7, 8.	5.2	50
15	Impact of dopamineâ€“glutamate interactions on striatal neuronal nitric oxide synthase activity. Psychopharmacology, 2010, 207, 571-581.	3.1	47
16	Facilitation of Corticostriatal Transmission following Pharmacological Inhibition of Striatal Phosphodiesterase 10A: Role of Nitric Oxide-Soluble Guanylyl Cyclase-cGMP Signaling Pathways. Journal of Neuroscience, 2015, 35, 5781-5791.	3.6	47
17	Nitric oxide-soluble guanylyl cyclase signaling regulates corticostriatal transmission and short-term synaptic plasticity of striatal projection neurons recorded in vivo. Neuropharmacology, 2010, 58, 624-631.	4.1	44
18	Inhibition of Striatal Soluble Guanylyl Cyclase-cGMP Signaling Reverses Basal Ganglia Dysfunction and Akinesia in Experimental Parkinsonism. PLoS ONE, 2011, 6, e27187.	2.5	42

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19	Feed-forward excitation of striatal neuron activity by frontal cortical activation of nitric oxide signaling in vivo. European Journal of Neuroscience, 2008, 27, 1739-1754.	2.6	41
20	Regulation of striatal nitric oxide synthesis by local dopamine and glutamate interactions. Journal of Neurochemistry, 2009, 111, 1457-1465.	3.9	41
21	Regulation of serotonin-facilitated dopamine release in vivo: The role of protein kinase A activating transduction mechanisms. , 1996, 23, 20-27.		36
22	Intrastriatal Infusion of (Â±)-S-Nitroso-N-Acetylpenicillamine Releases Vesicular Dopamine via an Ionotropic Glutamate Receptor-Mediated Mechanism: An In Vivo Microdialysis Study in Chloral Hydrate-Anesthetized Rats. Journal of Neurochemistry, 2002, 66, 1971-1980.	3.9	35
23	Direct Examination of Local Regulation of Membrane Activity in Striatal and Prefrontal Cortical Neurons in Vivo Using Simultaneous Intracellular Recording and Microdialysis. Journal of Pharmacology and Experimental Therapeutics, 2002, 301, 867-877.	2.5	27
24	Age- and sex-related changes in cortical and striatal nitric oxide synthase in the Q175 mouse model of Huntington's disease. Nitric Oxide - Biology and Chemistry, 2019, 83, 40-50.	2.7	24
25	Acute cocaine administration increases NO efflux in the rat prefrontal cortex via a neuronal NOSâ€dependent mechanism. Synapse, 2008, 62, 710-713.	1.2	23
26	AMPA receptor upregulation in the nucleus accumbens shell of cocaine-sensitized rats depends upon S-nitrosylation of stargazin. Neuropharmacology, 2014, 77, 28-38.	4.1	19
27	Regulation of Striatal Neuron Activity by Cyclic Nucleotide Signaling and Phosphodiesterase Inhibition: Implications for the Treatment of Parkinsonâ€™s Disease. Advances in Neurobiology, 2017, 17, 257-283.	1.8	17
28	Dopaminergic modulation of nitric oxide synthase activity in subregions of the rat nucleus accumbens. Synapse, 2012, 66, 220-231.	1.2	16
29	Selective Regulation of 5-HT1B Serotonin Receptor Expression in the Striatum by Dopamine Depletion and Repeated L-DOPA Treatment: Relationship to L-DOPA-Induced Dyskinesias. Molecular Neurobiology, 2020, 57, 736-751.	4.0	15
30	Striatal Nurr1 Facilitates the Dyskinetic State and Exacerbates Levodopa-Induced Dyskinesia in a Rat Model of Parkinson's Disease. Journal of Neuroscience, 2020, 40, 3675-3691.	3.6	15
31	Electrical stimulation of the hippocampal fimbria facilitates neuronal nitric oxide synthase activity in the medial shell of the rat nucleus accumbens: Modulation by dopamine D1 and D2 receptor activation. Neuropharmacology, 2017, 126, 151-157.	4.1	14
32	Impact of Vortioxetine on Synaptic Integration in Prefrontal-Subcortical Circuits: Comparisons with Escitalopram. Frontiers in Pharmacology, 2017, 8, 764.	3.5	12
33	The Multimodal Serotonergic Agent Vilazodone Inhibits L-DOPA-Induced Gene Regulation in Striatal Projection Neurons and Associated Dyskinesia in an Animal Model of Parkinsonâ€™s Disease. Cells, 2020, 9, 2265.	4.1	12
34	Frequency-Dependent Corticostriatal Disinhibition Resulting from Chronic Dopamine Depletion: Role of Local Striatal cGMP and GABA-AR Signaling. Cerebral Cortex, 2017, 27, bhv241.	2.9	10
35	Role of 5-HT1A Receptor in Vilazodone-Mediated Suppression of L-DOPA-Induced Dyskinesia and Increased Responsiveness to Cortical Input in Striatal Medium Spiny Neurons in an Animal Model of Parkinsonâ€™s Disease. Molecules, 2021, 26, 5790.	3.8	9
36	Impact of neonatal NOS-1 inhibitor exposure on neurobehavioural measures and prefrontal-temporolimbic integration in the rat nucleus accumbens. International Journal of Neuropsychopharmacology, 2014, 17, 275-287.	2.1	7

#	Article	IF	Citations
37	Phosphodiesterase 9A Inhibition Facilitates Corticostriatal Transmission in Wild-Type and Transgenic Rats That Model Huntingtonâ€™s Disease. Frontiers in Neuroscience, 2020, 14, 466.	2.8	6
38	Nitric Oxide Signaling in the Striatum. Handbook of Behavioral Neuroscience, 2010, , 187-200.	0.7	3
39	Nitric Oxide Signaling Modulates the Responsiveness of Striatal Medium Spiny Neurons to Electrical Stimulation of the Substantia Nigra. , 2005, , 503-512.		3
40	Phosphodiesterase 10A (PDE10A): Regulator of Dopamine Agonist-Induced Gene Expression in the Striatum. Cells, 2022, 11, 2214.	4.1	3
41	Interactions between Procedural Learning and Cocaine Exposure Alter Spontaneous and Cortically Evoked Spike Activity in the Dorsal Striatum. Frontiers in Neuroscience, 2010, 4, 206.	2.8	1
42	Neurophysiological Approaches for In Vivo Neuropharmacology. Neuromethods, 2017, , 253-292.	0.3	0