Stephanie J Cragg

List of Publications by Year
in descending order

67 papers	7,060 citations	101384 36 h-index	118652 62 g-index
73 all docs	73 docs citations	73 times ranked	6984 citing authors

#	Article	IF	Citations
1	Dopamine Release in Nucleus Accumbens Is under Tonic Inhibition by Adenosine A₁Receptors Regulated by Astrocytic ENT1 and Dysregulated by Ethanol. Journal of Neuroscience, 2022, 42, 1738-1751.	1.7	9
2	Axonal Modulation of Striatal Dopamine Release by Local Î³-Aminobutyric Acid (GABA) Signalling. Cells, 2021, 10, 709.	1.8	17
3	Revisiting dopamine-acetylcholine imbalance in Parkinsonâ€™s disease: Glutamate co-transmission as an exciting partner in crime. Neuron, 2021, 109, 1070-1071.	3.8	5
4	Striatal Dopamine Transporter Function Is Facilitated by Converging Biology of Î±-Synuclein and Cholesterol. Frontiers in Cellular Neuroscience, 2021, 15, 658244.	1.8	18
5	CLR01 protects dopaminergic neurons in vitro and in mouse models of Parkinsonâ€™s disease. Nature Communications, 2020, 11, 4885.	5.8	39
6	GABA uptake transporters support dopamine release in dorsal striatum with maladaptive downregulation in a parkinsonism model. Nature Communications, 2020, 11, 4958.	5.8	31
7	Diabetes Causes Dysfunctional Dopamine Neurotransmission Favoring Nigrostriatal Degeneration in Mice. Movement Disorders, 2020, 35, 1636-1648.	2.2	42
8	Calbindin-D28K Limits Dopamine Release in Ventral but Not Dorsal Striatum by Regulating Ca²⁺ Availability and Dopamine Transporter Function. ACS Chemical Neuroscience, 2019, 10, 3419-3426.	1.7	19
9	Impairment of Macroautophagy in Dopamine Neurons Has Opposing Effects on Parkinsonian Pathology and Behavior. Cell Reports, 2019, 29, 920-931.e7.	2.9	29
10	Plasticity in striatal dopamine release is governed by release-independent depression and the dopamine transporter. Nature Communications, 2019, 10, 4263.	5.8	55
11	Dopamine neuron-derived IGF-1 controls dopamine neuron firing, skill learning, and exploration. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3817-3826.	3.3	45
12	Inhibition of Nigrostriatal Dopamine Release by Striatal GABA_Aand GABA_BReceptors. Journal of Neuroscience, 2019, 39, 1058-1065.	1.7	56
13	Pauses in Cholinergic Interneuron Activity Are Driven by Excitatory Input and Delayed Rectification, with Dopamine Modulation. Neuron, 2018, 98, 918-925.e3.	3.8	44
14	Targeted Activation of Cholinergic Interneurons Accounts for the Modulation of Dopamine by Striatal Nicotinic Receptors. ENeuro, 2018, 5, ENEURO.0397-17.2018.	0.9	41
15	The Striosome and Matrix Compartments of the Striatum: A Path through the Labyrinth from Neurochemistry toward Function. ACS Chemical Neuroscience, 2017, 8, 235-242.	1.7	122
16	Pauses in Striatal Cholinergic Interneurons: What is Revealed by Their Common Themes and Variations?. Frontiers in Systems Neuroscience, 2017, 11, 80.	1.2	42
17	Cortical Control of Striatal Dopamine Transmission via Striatal Cholinergic Interneurons. Cerebral Cortex, 2016, 26, 4160-4169.	1.6	122
18	Representation of spontaneous movement by dopaminergic neurons is cell-type selective and disrupted in parkinsonism. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2180-8.	3.3	145

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19	<i>LRRK2</i>BAC transgenic rats develop progressive, L-DOPA-responsive motor impairment, and deficits in dopamine circuit function. Human Molecular Genetics, 2016, 25, 951-963.	1.4	58
20	Striatal dopamine neurotransmission: Regulation of release and uptake. Basal Ganglia, 2016, 6, 123-148.	0.3	306
21	Gating of dopamine transmission by calcium and axonal Nâ€, Qâ€, Tâ€and Lâ€type voltageâ€gated calcium channels differs between striatal domains. Journal of Physiology, 2015, 593, 929-946.	1.3	83
22	COUPLING VOLTAMMETRY WITH OPTOGENETICS TO REVEAL AXONAL CONTROL OF DOPAMINE TRANSMISSION BY STRIATAL ACETYLCHOLINE. , 2015, , 201-223.		0
23	Ni²⁺ Affects Dopamine Uptake Which Limits Suitability as Inhibitor of T-Type Voltage-Gated Ca²⁺ Channels. ACS Chemical Neuroscience, 2015, 6, 124-129.	1.7	6
24	Impaired intracellular trafficking defines early Parkinson's disease. Trends in Neurosciences, 2015, 38, 178-188.	4.2	175
25	The impact of a parkinsonian lesion on dynamic striatal dopamine transmission depends on nicotinic receptor activation. Neurobiology of Disease, 2015, 82, 262-268.	2.1	16
26	Substance P Weights Striatal Dopamine Transmission Differently within the Striosome-Matrix Axis. Journal of Neuroscience, 2015, 35, 9017-9023.	1.7	51
27	Transcription factors FOXA1 and FOXA2 maintain dopaminergic neuronal properties and control feeding behavior in adult mice. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4929-38.	3.3	66
28	Region-specific deficits in dopamine, but not norepinephrine, signaling in a novel A30P Î±-synuclein BAC transgenic mouse. Neurobiology of Disease, 2014, 62, 193-207.	2.1	46
29	Striatal dopamine transmission is reduced after chronic nicotine with a decrease in Î±6â€nicotinic receptor control in nucleus accumbens. European Journal of Neuroscience, 2013, 38, 3036-3043.	1.2	34
30	Serotonin spillover onto the axon initial segment of motoneurons induces central fatigue by inhibiting action potential initiation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4774-4779.	3.3	122
31	Deficits in dopaminergic transmission precede neuron loss and dysfunction in a new Parkinson model. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E4016-25.	3.3	259
32	Striatal Î±5 Nicotinic Receptor Subunit Regulates Dopamine Transmission in Dorsal Striatum. Journal of Neuroscience, 2012, 32, 2352-2356.	1.7	88
33	Regulation of Î²-adrenergic control of heart rate by GTP-cyclohydrolase 1 (GCH1) and tetrahydrobiopterin. Cardiovascular Research, 2012, 93, 694-701.	1.8	16
34	Striatal Dopamine Release Is Triggered by Synchronized Activity in Cholinergic Interneurons. Neuron, 2012, 75, 58-64.	3.8	692
35	Striatal Dopamine Transmission Is Subtly Modified in Human A53TÎ±-Synuclein Overexpressing Mice. PLoS ONE, 2012, 7, e36397.	1.1	25
36	Distinct contributions of nicotinic acetylcholine receptor subunit Î±4 and subunit Î±6 to the reinforcing effects of nicotine. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7577-7582.	3.3	146

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37	Dopamine release in the basal ganglia. Neuroscience, 2011, 198, 112-137.	1.1	234
38	Dopamine Signaling in Dorsal Versus Ventral Striatum: The Dynamic Role of Cholinergic Interneurons. Frontiers in Systems Neuroscience, 2011, 5, 11.	1.2	155
39	Nitric Oxide Donors Enhance the Frequency Dependence of Dopamine Release in Nucleus Accumbens. Neuropsychopharmacology, 2011, 36, 1811-1822.	2.8	33
40	Functional Alterations to the Nigrostriatal System in Mice Lacking All Three Members of the Synuclein Family. Journal of Neuroscience, 2011, 31, 7264-7274.	1.7	158
41	Nonâ€linear relationship between 5â€HT transporter gene expression and frequency sensitivity of 5â€HT signals. Journal of Neurochemistry, 2010, 115, 965-973.	2.1	34
42	Striatal Muscarinic Receptors Promote Activity Dependence of Dopamine Transmission via Distinct Receptor Subtypes on Cholinergic Interneurons in Ventral versus Dorsal Striatum. Journal of Neuroscience, 2010, 30, 3398-3408.	1.7	165
43	5-HT1B receptor regulation of serotonin (5-HT) release by endogenous 5-HT in the substantia nigra. Neuroscience, 2010, 165, 212-220.	1.1	12
44	Î±-Synuclein and dopamine at the crossroads of Parkinson's disease. Trends in Neurosciences, 2010, 33, 559-568.	4.2	233
45	Maintaining network activity in submerged hippocampal slices: importance of oxygen supply. European Journal of Neuroscience, 2009, 29, 319-327.	1.2	210
46	Regulation of Dopamine Release by Striatal Acetylcholine and Nicotine Is via Distinct Nicotinic Acetylcholine Receptors in Dorsal vs. Ventral Striatum. Advances in Behavioral Biology, 2009, , 323-335.	0.2	0
47	Presynaptic nicotinic receptors: a dynamic and diverse cholinergic filter of striatal dopamine neurotransmission. British Journal of Pharmacology, 2008, 153, S283-97.	2.7	208
48	Constitutive histamine H₂ receptor activity regulates serotonin release in the substantia nigra. Journal of Neurochemistry, 2008, 107, 745-755.	2.1	17
49	Increased striatal dopamine release and hyperdopaminergicâ€like behaviour in mice lacking both alphaâ€synuclein and gammaâ€synuclein. European Journal of Neuroscience, 2008, 27, 947-957.	1.2	138
50	Dopamine spillover after quantal release: Rethinking dopamine transmission in the nigrostriatal pathway. Brain Research Reviews, 2008, 58, 303-313.	9.1	285
51	Î±6-Containing Nicotinic Acetylcholine Receptors Dominate the Nicotine Control of Dopamine Neurotransmission in Nucleus Accumbens. Neuropsychopharmacology, 2008, 33, 2158-2166.	2.8	222
52	A Choreography of Nicotinic Receptors Directs the Dopamine Neuron Routine. Neuron, 2006, 50, 815-816.	3.8	8
53	Meaningful silences: how dopamine listens to the ACh pause. Trends in Neurosciences, 2006, 29, 125-131.	4.2	194
54	Singing to the Tune of Dopamine. Focus on â€œProperties of Dopamine Release and Uptake in the Songbird Basal Gangliaâ€. Journal of Neurophysiology, 2005, 93, 1827-1828.	0.9	3

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55	Somatodendritic Dopamine Release in Midbrain. , 2005, , 69-83.		1
56	Striatal Acetylcholine Control of Reward-Related Dopamine Signalling. , 2005, , 99-108.		2
57	Histamine H3 Receptors Inhibit Serotonin Release in Substantia Nigra Pars Reticulata. Journal of Neuroscience, 2004, 24, 8704-8710.	1.7	107
58	Nicotine amplifies reward-related dopamine signals in striatum. Nature Neuroscience, 2004, 7, 583-584.	7.1	532
59	Synaptic release of dopamine in the subthalamic nucleus. European Journal of Neuroscience, 2004, 20, 1788-1802.	1.2	122
60	DAncing past the DAT at a DA synapse. Trends in Neurosciences, 2004, 27, 270-277.	4.2	331
61	Variable Dopamine Release Probability and Short-Term Plasticity between Functional Domains of the Primate Striatum. Journal of Neuroscience, 2003, 23, 4378-4385.	1.7	126
62	Functional Domains in Dorsal Striatum of the Nonhuman Primate Are Defined by the Dynamic Behavior of Dopamine. Journal of Neuroscience, 2002, 22, 5705-5712.	1.7	54
63	Heterogeneity of Dopamine Release in the Primate Striatum. Advances in Behavioral Biology, 2002, , 87-96.	0.2	0
64	Dopamine-Mediated Volume Transmission in Midbrain Is Regulated by Distinct Extracellular Geometry and Uptake. Journal of Neurophysiology, 2001, 85, 1761-1771.	0.9	131
65	Dopamine Release and Uptake Dynamics within Nonhuman Primate Striatum<i>In Vitro</i>. Journal of Neuroscience, 2000, 20, 8209-8217.	1.7	95
66	Dopamine is released spontaneously from developing midbrain neurons in organotypic culture. Neuroscience, 1998, 84, 325-330.	1.1	13
67	Differential Autoreceptor Control of Somatodendritic and Axon Terminal Dopamine Release in Substantia Nigra, Ventral Tegmental Area, and Striatum. Journal of Neuroscience, 1997, 17, 5738-5746.	1.7	164