

Stephanie J Cragg

List of Publications by Year in descending order

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67
papers

7,060
citations

101543

36
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118850

62
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73
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73
docs citations

73
times ranked

6984
citing authors

#	ARTICLE	IF	CITATIONS
1	Striatal Dopamine Release Is Triggered by Synchronized Activity in Cholinergic Interneurons. <i>Neuron</i> , 2012, 75, 58-64.	8.1	692
2	Nicotine amplifies reward-related dopamine signals in striatum. <i>Nature Neuroscience</i> , 2004, 7, 583-584.	14.8	532
3	Dancing past the DAT at a DA synapse. <i>Trends in Neurosciences</i> , 2004, 27, 270-277.	8.6	331
4	Striatal dopamine neurotransmission: Regulation of release and uptake. <i>Basal Ganglia</i> , 2016, 6, 123-148.	0.3	306
5	Dopamine spillover after quantal release: Rethinking dopamine transmission in the nigrostriatal pathway. <i>Brain Research Reviews</i> , 2008, 58, 303-313.	9.0	285
6	Deficits in dopaminergic transmission precede neuron loss and dysfunction in a new Parkinson model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E4016-25.	7.1	259
7	Dopamine release in the basal ganglia. <i>Neuroscience</i> , 2011, 198, 112-137.	2.3	234
8	α -Synuclein and dopamine at the crossroads of Parkinson's disease. <i>Trends in Neurosciences</i> , 2010, 33, 559-568.	8.6	233
9	α 6-Containing Nicotinic Acetylcholine Receptors Dominate the Nicotine Control of Dopamine Neurotransmission in Nucleus Accumbens. <i>Neuropsychopharmacology</i> , 2008, 33, 2158-2166.	5.4	222
10	Maintaining network activity in submerged hippocampal slices: importance of oxygen supply. <i>European Journal of Neuroscience</i> , 2009, 29, 319-327.	2.6	210
11	Presynaptic nicotinic receptors: a dynamic and diverse cholinergic filter of striatal dopamine neurotransmission. <i>British Journal of Pharmacology</i> , 2008, 153, S283-97.	5.4	208
12	Meaningful silences: how dopamine listens to the ACh pause. <i>Trends in Neurosciences</i> , 2006, 29, 125-131.	8.6	194
13	Impaired intracellular trafficking defines early Parkinson's disease. <i>Trends in Neurosciences</i> , 2015, 38, 178-188.	8.6	175
14	Striatal Muscarinic Receptors Promote Activity Dependence of Dopamine Transmission via Distinct Receptor Subtypes on Cholinergic Interneurons in Ventral versus Dorsal Striatum. <i>Journal of Neuroscience</i> , 2010, 30, 3398-3408.	3.6	165
15	Differential Autoreceptor Control of Somatodendritic and Axon Terminal Dopamine Release in Substantia Nigra, Ventral Tegmental Area, and Striatum. <i>Journal of Neuroscience</i> , 1997, 17, 5738-5746.	3.6	164
16	Functional Alterations to the Nigrostriatal System in Mice Lacking All Three Members of the Synuclein Family. <i>Journal of Neuroscience</i> , 2011, 31, 7264-7274.	3.6	158
17	Dopamine Signaling in Dorsal Versus Ventral Striatum: The Dynamic Role of Cholinergic Interneurons. <i>Frontiers in Systems Neuroscience</i> , 2011, 5, 11.	2.5	155
18	Distinct contributions of nicotinic acetylcholine receptor subunit α 4 and subunit α 6 to the reinforcing effects of nicotine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 7577-7582.	7.1	146

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19	Representation of spontaneous movement by dopaminergic neurons is cell-type selective and disrupted in parkinsonism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E2180-8.	7.1	145
20	Increased striatal dopamine release and hyperdopaminergic-like behaviour in mice lacking both alpha-synuclein and gamma-synuclein. <i>European Journal of Neuroscience</i> , 2008, 27, 947-957.	2.6	138
21	Dopamine-Mediated Volume Transmission in Midbrain Is Regulated by Distinct Extracellular Geometry and Uptake. <i>Journal of Neurophysiology</i> , 2001, 85, 1761-1771.	1.8	131
22	Variable Dopamine Release Probability and Short-Term Plasticity between Functional Domains of the Primate Striatum. <i>Journal of Neuroscience</i> , 2003, 23, 4378-4385.	3.6	126
23	Synaptic release of dopamine in the subthalamic nucleus. <i>European Journal of Neuroscience</i> , 2004, 20, 1788-1802.	2.6	122
24	Serotonin spillover onto the axon initial segment of motoneurons induces central fatigue by inhibiting action potential initiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 4774-4779.	7.1	122
25	Cortical Control of Striatal Dopamine Transmission via Striatal Cholinergic Interneurons. <i>Cerebral Cortex</i> , 2016, 26, 4160-4169.	2.9	122
26	The Striosome and Matrix Compartments of the Striatum: A Path through the Labyrinth from Neurochemistry toward Function. <i>ACS Chemical Neuroscience</i> , 2017, 8, 235-242.	3.5	122
27	Histamine H3 Receptors Inhibit Serotonin Release in Substantia Nigra Pars Reticulata. <i>Journal of Neuroscience</i> , 2004, 24, 8704-8710.	3.6	107
28	Dopamine Release and Uptake Dynamics within Nonhuman Primate Striatum <i>In Vitro</i> . <i>Journal of Neuroscience</i> , 2000, 20, 8209-8217.	3.6	95
29	Striatal $\alpha 5$ Nicotinic Receptor Subunit Regulates Dopamine Transmission in Dorsal Striatum. <i>Journal of Neuroscience</i> , 2012, 32, 2352-2356.	3.6	88
30	Gating of dopamine transmission by calcium and axonal N^{a} , Q^{a} , T^{a} and L^{a} type voltage-gated calcium channels differs between striatal domains. <i>Journal of Physiology</i> , 2015, 593, 929-946.	2.9	83
31	Transcription factors FOXA1 and FOXA2 maintain dopaminergic neuronal properties and control feeding behavior in adult mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E4929-38.	7.1	66
32	<i>LRRK2</i> BAC transgenic rats develop progressive, L-DOPA-responsive motor impairment, and deficits in dopamine circuit function. <i>Human Molecular Genetics</i> , 2016, 25, 951-963.	2.9	58
33	Inhibition of Nigrostriatal Dopamine Release by Striatal GABA _A and GABA _B Receptors. <i>Journal of Neuroscience</i> , 2019, 39, 1058-1065.	3.6	56
34	Plasticity in striatal dopamine release is governed by release-independent depression and the dopamine transporter. <i>Nature Communications</i> , 2019, 10, 4263.	12.8	55
35	Functional Domains in Dorsal Striatum of the Nonhuman Primate Are Defined by the Dynamic Behavior of Dopamine. <i>Journal of Neuroscience</i> , 2002, 22, 5705-5712.	3.6	54
36	Substance P Weights Striatal Dopamine Transmission Differently within the Striosome-Matrix Axis. <i>Journal of Neuroscience</i> , 2015, 35, 9017-9023.	3.6	51

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37	Region-specific deficits in dopamine, but not norepinephrine, signaling in a novel A30P α -synuclein BAC transgenic mouse. <i>Neurobiology of Disease</i> , 2014, 62, 193-207.	4.4	46
38	Dopamine neuron-derived IGF-1 controls dopamine neuron firing, skill learning, and exploration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 3817-3826.	7.1	45
39	Pauses in Cholinergic Interneuron Activity Are Driven by Excitatory Input and Delayed Rectification, with Dopamine Modulation. <i>Neuron</i> , 2018, 98, 918-925.e3.	8.1	44
40	Pauses in Striatal Cholinergic Interneurons: What is Revealed by Their Common Themes and Variations?. <i>Frontiers in Systems Neuroscience</i> , 2017, 11, 80.	2.5	42
41	Diabetes Causes Dysfunctional Dopamine Neurotransmission Favoring Nigrostriatal Degeneration in Mice. <i>Movement Disorders</i> , 2020, 35, 1636-1648.	3.9	42
42	Targeted Activation of Cholinergic Interneurons Accounts for the Modulation of Dopamine by Striatal Nicotinic Receptors. <i>ENeuro</i> , 2018, 5, ENEURO.0397-17.2018.	1.9	41
43	CLR01 protects dopaminergic neurons in vitro and in mouse models of Parkinson's disease. <i>Nature Communications</i> , 2020, 11, 4885.	12.8	39
44	Non-linear relationship between 5-HT transporter gene expression and frequency sensitivity of 5-HT signals. <i>Journal of Neurochemistry</i> , 2010, 115, 965-973.	3.9	34
45	Striatal dopamine transmission is reduced after chronic nicotine with a decrease in α 6 nicotinic receptor control in nucleus accumbens. <i>European Journal of Neuroscience</i> , 2013, 38, 3036-3043.	2.6	34
46	Nitric Oxide Donors Enhance the Frequency Dependence of Dopamine Release in Nucleus Accumbens. <i>Neuropsychopharmacology</i> , 2011, 36, 1811-1822.	5.4	33
47	GABA uptake transporters support dopamine release in dorsal striatum with maladaptive downregulation in a parkinsonism model. <i>Nature Communications</i> , 2020, 11, 4958.	12.8	31
48	Impairment of Macroautophagy in Dopamine Neurons Has Opposing Effects on Parkinsonian Pathology and Behavior. <i>Cell Reports</i> , 2019, 29, 920-931.e7.	6.4	29
49	Striatal Dopamine Transmission Is Subtly Modified in Human A53T α -Synuclein Overexpressing Mice. <i>PLoS ONE</i> , 2012, 7, e36397.	2.5	25
50	Calbindin-D28K Limits Dopamine Release in Ventral but Not Dorsal Striatum by Regulating Ca^{2+} Availability and Dopamine Transporter Function. <i>ACS Chemical Neuroscience</i> , 2019, 10, 3419-3426.	3.5	19
51	Striatal Dopamine Transporter Function Is Facilitated by Converging Biology of α -Synuclein and Cholesterol. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 658244.	3.7	18
52	Constitutive histamine H_{2} receptor activity regulates serotonin release in the substantia nigra. <i>Journal of Neurochemistry</i> , 2008, 107, 745-755.	3.9	17
53	Axonal Modulation of Striatal Dopamine Release by Local β -Aminobutyric Acid (GABA) Signalling. <i>Cells</i> , 2021, 10, 709.	4.1	17
54	Regulation of β -adrenergic control of heart rate by GTP-cyclohydrolase 1 (GCH1) and tetrahydrobiopterin. <i>Cardiovascular Research</i> , 2012, 93, 694-701.	3.8	16

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55	The impact of a parkinsonian lesion on dynamic striatal dopamine transmission depends on nicotinic receptor activation. <i>Neurobiology of Disease</i> , 2015, 82, 262-268.	4.4	16
56	Dopamine is released spontaneously from developing midbrain neurons in organotypic culture. <i>Neuroscience</i> , 1998, 84, 325-330.	2.3	13
57	5-HT _{1B} receptor regulation of serotonin (5-HT) release by endogenous 5-HT in the substantia nigra. <i>Neuroscience</i> , 2010, 165, 212-220.	2.3	12
58	Dopamine Release in Nucleus Accumbens Is under Tonic Inhibition by Adenosine A ₁ Receptors Regulated by Astrocytic ENT1 and Dysregulated by Ethanol. <i>Journal of Neuroscience</i> , 2022, 42, 1738-1751.	3.6	9
59	A Choreography of Nicotinic Receptors Directs the Dopamine Neuron Routine. <i>Neuron</i> , 2006, 50, 815-816.	8.1	8
60	Ni ²⁺ Affects Dopamine Uptake Which Limits Suitability as Inhibitor of T-Type Voltage-Gated Ca ²⁺ Channels. <i>ACS Chemical Neuroscience</i> , 2015, 6, 124-129.	3.5	6
61	Revisiting dopamine-acetylcholine imbalance in Parkinson's disease: Glutamate co-transmission as an exciting partner in crime. <i>Neuron</i> , 2021, 109, 1070-1071.	8.1	5
62	Singing to the Tune of Dopamine. Focus on Properties of Dopamine Release and Uptake in the Songbird Basal Ganglia. <i>Journal of Neurophysiology</i> , 2005, 93, 1827-1828.	1.8	3
63	Striatal Acetylcholine Control of Reward-Related Dopamine Signalling. , 2005, , 99-108.		2
64	Somatodendritic Dopamine Release in Midbrain. , 2005, , 69-83.		1
65	COUPLING VOLTAMMETRY WITH OPTOGENETICS TO REVEAL AXONAL CONTROL OF DOPAMINE TRANSMISSION BY STRIATAL ACETYLCHOLINE. , 2015, , 201-223.		0
66	Heterogeneity of Dopamine Release in the Primate Striatum. <i>Advances in Behavioral Biology</i> , 2002, , 87-96.	0.2	0
67	Regulation of Dopamine Release by Striatal Acetylcholine and Nicotine Is via Distinct Nicotinic Acetylcholine Receptors in Dorsal vs. Ventral Striatum. <i>Advances in Behavioral Biology</i> , 2009, , 323-335.	0.2	0