Yoland Smith

List of Publications by Year
in descending order

178 papers	13,244 citations	20759 60 h-index	30010 103 g-index
184 all docs	184 docs citations	184 times ranked	12258 citing authors

#	Article	IF	Citations
1	Goal-directed and habitual control in the basal ganglia: implications for Parkinson's disease. Nature Reviews Neuroscience, 2010, 11, 760-772.	4.9	869
2	The thalamostriatal system: a highly specific network of the basal ganglia circuitry. Trends in Neurosciences, 2004, 27, 520-527.	4.2	514
3	Towards a transgenic model of Huntingtonâ€™s disease in a non-human primate. Nature, 2008, 453, 921-924.	13.7	445
4	Glutamate-Dependent Neuroglial Calcium Signaling Differs Between Young and Adult Brain. Science, 2013, 339, 197-200.	6.0	445
5	Activation of Metabotropic Glutamate Receptor 5 Has Direct Excitatory Effects and Potentiates NMDA Receptor Currents in Neurons of the Subthalamic Nucleus. Journal of Neuroscience, 2000, 20, 7871-7879.	1.7	391
6	CART peptides in the central control of feeding and interactions with neuropeptide Y. , 1998, 29, 293-298.		346
7	Neurons of the subthalamic nucleus in primates display glutamate but not GABA immunoreactivity. Brain Research, 1988, 453, 353-356.	1.1	306
8	Subcortical projections of area 25 (subgenual cortex) of the macaque monkey. Journal of Comparative Neurology, 2000, 421, 172-188.	0.9	279
9	Anatomy of the dopamine system in the basal ganglia. Trends in Neurosciences, 2000, 23, S28-S33.	4.2	265
10	Glutamatergic inputs from the pedunculopontine nucleus to midbrain dopaminergic neurons in primates:Phaseolus vulgaris-leucoagglutinin anterograde labeling combined with postembedding glutamate and GABA immunohistochemistry. , 1996, 364, 254-266.		234
11	The thalamostriatal system in normal and diseased states. Frontiers in Systems Neuroscience, 2014, 8, 5.	1.2	193
12	Parkinson's Disease Therapeutics: New Developments and Challenges Since the Introduction of Levodopa. Neuropsychopharmacology, 2012, 37, 213-246.	2.8	185
13	Current Opinions and Areas of Consensus on the Role of the Cerebellum in Dystonia. Cerebellum, 2017, 16, 577-594.	1.4	184
14	Dopaminergic innervation of the basal ganglia in the squirrel monkey as revealed by tyrosine hydroxylase immunohistochemistry. Journal of Comparative Neurology, 1989, 289, 36-52.	0.9	182
15	RGS14 is a natural suppressor of both synaptic plasticity in CA2 neurons and hippocampal-based learning and memory. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 16994-16998.	3.3	172
16	Differential Subcellular Localization of mGluR1a and mGluR5 in the Rat and Monkey Substantia Nigra. Journal of Neuroscience, 2001, 21, 1838-1847.	1.7	165
17	The thalamostriatal systems: Anatomical and functional organization in normal and parkinsonian states. Brain Research Bulletin, 2009, 78, 60-68.	1.4	165
18	Efferent connections of the internal globus pallidus in the squirrel monkey: I. topography and synaptic organization of the pallidothalamic projection. Journal of Comparative Neurology, 1997, 382, 323-347.	0.9	159

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19	Direct regulation of complex I by mitochondrial MEF2D is disrupted in a mouse model of Parkinson disease and in human patients. Journal of Clinical Investigation, 2011, 121, 930-940.	3.9	155
20	Striatal and extrastriatal dopamine in the basal ganglia: An overview of its anatomical organization in normal and Parkinsonian brains. Movement Disorders, 2008, 23, S534-S547.	2.2	153
21	Organization of efferent projections of the subthalamic nucleus in the squirrel monkey as revealed by retrograde labeling methods. Brain Research, 1987, 436, 296-310.	1.1	150
22	Dopaminergic denervation and spine loss in the striatum of MPTP-treated monkeys. Experimental Neurology, 2009, 215, 220-227.	2.0	148
23	Neuropeptide Y-immunoreactive neurons in the striatum of cat and monkey: Morphological characteristics, intrinsic organization and co-localization with somatostatin. Brain Research, 1986, 372, 241-252.	1.1	139
24	Differential synaptic innervation of striatofugal neurones projecting to the internal or external segments of the globus pallidus by thalamic afferents in the squirrel monkey. Journal of Comparative Neurology, 1996, 365, 445-465.	0.9	133
25	Cholinergic interneurons in the dorsal and ventral striatum: anatomical and functional considerations in normal and diseased conditions. Annals of the New York Academy of Sciences, 2015, 1349, 1-45.	1.8	127
26	Dendrodendritic and Axoaxonic Synapses in the Thalamic Reticular Nucleus of the Adult Rat. Journal of Neuroscience, 1997, 17, 3215-3233.	1.7	123
27	Efferent connections of the internal globus pallidus in the squirrel monkey: II. topography and synaptic organization of pallidal efferents to the pedunculopontine nucleus. Journal of Comparative Neurology, 1997, 382, 348-363.	0.9	121
28	Differential synaptology of vGluT2-containing thalamostriatal afferents between the patch and matrix compartments in rats. Journal of Comparative Neurology, 2006, 499, 231-243.	0.9	119
29	Cocaine- and amphetamine-regulated transcript peptide projections in the ventral midbrain: Colocalization with ?-aminobutyric acid, melanin-concentrating hormone, dynorphin, and synaptic interactions with dopamine neurons. Journal of Comparative Neurology, 2002, 448, 360-372.	0.9	117
30	Activation of Group I Metabotropic Glutamate Receptors Produces a Direct Excitation and Disinhibition of GABAergic Projection Neurons in the Substantia Nigra Pars Reticulata. Journal of Neuroscience, 2001, 21, 7001-7012.	1.7	113
31	Synaptic innervation of midbrain dopaminergic neurons by glutamate-enriched terminals in the squirrel monkey. , 1996, 364, 231-253.		110
32	Distribution of mGluR1? and mGluR5 immunolabeling in primate prefrontal cortex. Journal of Comparative Neurology, 2003, 467, 521-535.	0.9	109
33	Group I Metabotropic Glutamate Receptors in the Monkey Striatum: Subsynaptic Association with Glutamatergic and Dopaminergic Afferents. Journal of Neuroscience, 2003, 23, 7659-7669.	1.7	107
34	The output organization of the substantia nigra in primate as revealed by a retrograde double labeling method. Brain Research Bulletin, 1983, 10, 529-537.	1.4	105
35	Metabotropic glutamate receptor 5 antagonist protects dopaminergic and noradrenergic neurons from degeneration in MPTP-treated monkeys. Brain, 2011, 134, 2057-2073.	3.7	103
36	Ultrastructural evidence for preâ€•and postsynaptic localization of Ca_v1.2 Lâ€type Ca²⁺ channels in the rat hippocampus. Journal of Comparative Neurology, 2008, 506, 569-583.	0.9	100

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37	AMPA and NMDA Glutamate Receptor Subunits in Midbrain Dopaminergic Neurons in the Squirrel Monkey: An Immunohistochemical and<i>In Situ</i>Hybridization Study. Journal of Neuroscience, 1997, 17, 1377-1396.	1.7	97
38	Nigral and pallidal inputs to functionally segregated thalamostriatal neurons in the centromedian/parafascicular intralaminar nuclear complex in monkey. Journal of Comparative Neurology, 2002, 447, 286-299.	0.9	97
39	Differential synaptic plasticity of the corticostriatal and thalamostriatal systems in an MPTPâ€treated monkey model of parkinsonism. European Journal of Neuroscience, 2008, 27, 1647-1658.	1.2	97
40	Contextual Inhibitory Gating of Impulse Traffic in the Intraâ€amygdaloid Network. Annals of the New York Academy of Sciences, 2003, 985, 78-91.	1.8	95
41	Ultrastructural localization of CART (cocaine- and amphetamine-regulated transcript) peptides in the nucleus accumbens of monkeys. , 1997, 27, 90-94.		94
42	Thalamic Contributions to Basal Ganglia-Related Behavioral Switching and Reinforcement. Journal of Neuroscience, 2011, 31, 16102-16106.	1.7	94
43	Adenosine A2A receptor antagonism reverses inflammation-induced impairment of microglial process extension in a model of Parkinson's disease. Neurobiology of Disease, 2014, 67, 191-202.	2.1	94
44	Holographic Reconstruction of Axonal Pathways in the Human Brain. Neuron, 2019, 104, 1056-1064.e3.	3.8	91
45	Quantitative Proteomic and Genetic Analyses of the Schizophrenia Susceptibility Factor Dysbindin Identify Novel Roles of the Biogenesis of Lysosome-Related Organelles Complex 1. Journal of Neuroscience, 2012, 32, 3697-3711.	1.7	89
46	P2Y1 receptor signaling is controlled by interaction with the PDZ scaffold NHERF-2. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 8042-8047.	3.3	88
47	Cocaine- and amphetamine-regulated transcript (CART) peptide immunoreactivity in myenteric plexus neurons of the rat ileum and co-localization with choline acetyltransferase. , 1998, 30, 1-8.		86
48	The Corticostriatal and Corticosubthalamic Pathways: Two Entries, One Target. So What?. Frontiers in Systems Neuroscience, 2011, 5, 64.	1.2	86
49	Cat intraamygdaloid inhibitory network: Ultrastructural organization of parvalbumin-immunoreactive elements. , 1998, 391, 164-179.		84
50	Group I Metabotropic Glutamate Receptors at GABAergic Synapses in Monkeys. Journal of Neuroscience, 1999, 19, 6488-6496.	1.7	84
51	M4 mAChR-Mediated Modulation of Glutamatergic Transmission at Corticostriatal Synapses. ACS Chemical Neuroscience, 2014, 5, 318-324.	1.7	84
52	GluN2D-Containing N-methyl-d-Aspartate Receptors Mediate Synaptic Transmission in Hippocampal Interneurons and Regulate Interneuron Activity. Molecular Pharmacology, 2016, 90, 689-702.	1.0	84
53	Alpha-1 Adrenergic Receptors are Localized on Presynaptic Elements in the Nucleus Accumbens and Regulate Mesolimbic Dopamine Transmission. Neuropsychopharmacology, 2012, 37, 2161-2172.	2.8	80
54	An Open Resource for Non-human Primate Optogenetics. Neuron, 2020, 108, 1075-1090.e6.	3.8	79

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55	Reduced cortical innervation of the subthalamic nucleus in MPTP-treated parkinsonian monkeys. Brain, 2015, 138, 946-962.	3.7	75
56	Distinct Functional Roles of the Metabotropic Glutamate Receptors 1 and 5 in the Rat Globus Pallidus. Journal of Neuroscience, 2003, 23, 122-130.	1.7	74
57	GABAB and group I metabotropic glutamate receptors in the striatopallidal complex in primates. Journal of Anatomy, 2000, 196, 555-576.	0.9	73
58	BAI1 regulates spatial learning and synaptic plasticity in the hippocampus. Journal of Clinical Investigation, 2015, 125, 1497-1508.	3.9	71
59	Ionotropic and metabotropic GABA and glutamate receptors in primate basal ganglia. Journal of Chemical Neuroanatomy, 2001, 22, 13-42.	1.0	69
60	Sodium Channels and Dendritic Spike Initiation at Excitatory Synapses in Globus Pallidus Neurons. Journal of Neuroscience, 2004, 24, 329-340.	1.7	69
61	Comparative analysis of the subcellular and subsynaptic localization of mGluR1a and mGluR5 metabotropic glutamate receptors in the shell and core of the nucleus accumbens in rat and monkey. Journal of Comparative Neurology, 2007, 500, 788-806.	0.9	69
62	GABAergic Modulation of the Activity of Globus Pallidus Neurons in Primates: In Vivo Analysis of the Functions of GABA Receptors and GABA Transporters. Journal of Neurophysiology, 2005, 94, 990-1000.	0.9	68
63	Loss and remodeling of striatal dendritic spines in Parkinsonâ€™s disease: from homeostasis to maladaptive plasticity?. Journal of Neural Transmission, 2018, 125, 431-447.	1.4	66
64	Subcellular distribution of spinophilin immunolabeling in primate prefrontal cortex: Localization to and within dendritic spines. Journal of Comparative Neurology, 2004, 469, 185-197.	0.9	65
65	Subcellular and subsynaptic localization of group I metabotropic glutamate receptors in the monkey subthalamic nucleus. Journal of Comparative Neurology, 2004, 474, 589-602.	0.9	65
66	Activation of Nigral and Pallidal Dopamine D1-Like Receptors Modulates Basal Ganglia Outflow in Monkeys. Journal of Neurophysiology, 2007, 98, 1489-1500.	0.9	65
67	Differential structural plasticity of corticostriatal and thalamostriatal axoâ€spinous synapses in MPTPâ€treated parkinsonian monkeys. Journal of Comparative Neurology, 2011, 519, 989-1005.	0.9	65
68	Striatal Spine Plasticity in Parkinson's Disease. Frontiers in Neuroanatomy, 2010, 4, 133.	0.9	63
69	Localization and Function of GABA Transporters GAT-1 and GAT-3 in the Basal Ganglia. Frontiers in Systems Neuroscience, 2011, 5, 63.	1.2	63
70	Differential dopaminergic innervation of the two pallidal segments in the squirrel monkey (Saimiri) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.1	62
71	Thalamic collaterals of corticostriatal axons: Their termination field and synaptic targets in cats. , 1996, 372, 551-567.		60
72	Presynaptic NMDA receptor subunit immunoreactivity in GABAergic terminals in rat brain. Journal of Comparative Neurology, 2000, 423, 330-347.	0.9	59

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73	The primate thalamostriatal systems: Anatomical organization, functional roles and possible involvement in Parkinsonâ€™s disease. Basal Ganglia, 2011, 1, 179-189.	0.3	57
74	NMDA Receptors Containing the GluN2D Subunit Control Neuronal Function in the Subthalamic Nucleus. Journal of Neuroscience, 2015, 35, 15971-15983.	1.7	57
75	NMDA-induced phosphorylation and regulation of mGluR5. Pharmacology Biochemistry and Behavior, 2002, 73, 299-306.	1.3	55
76	Effects of stimulation of the centromedian nucleus of the thalamus on the activity of striatal cells in awake rhesus monkeys. European Journal of Neuroscience, 2009, 29, 588-598.	1.2	55
77	Hermansky-Pudlak Protein Complexes, AP-3 and BLOC-1, Differentially Regulate Presynaptic Composition in the Striatum and Hippocampus. Journal of Neuroscience, 2010, 30, 820-831.	1.7	54
78	CART peptide-immunoreactive projection from the nucleus accumbens targets substantia nigra pars reticulata neurons in the rat. Journal of Comparative Neurology, 2001, 434, 29-39.	0.9	53
79	GABAergic inputs from direct and indirect striatal projection neurons onto cholinergic interneurons in the primate putamen. Journal of Comparative Neurology, 2013, 521, 2502-2522.	0.9	53
80	Subtle microstructural changes of the striatum in a DYT1 knock-in mouse model of dystonia. Neurobiology of Disease, 2013, 54, 362-371.	2.1	53
81	Effects of Optogenetic Activation of Corticothalamic Terminals in the Motor Thalamus of Awake Monkeys. Journal of Neuroscience, 2016, 36, 3519-3530.	1.7	53
82	CART peptide immunoreactivity in the hypothalamus and pituitary in monkeys: Analysis of ultrastructural features and synaptic connections in the paraventricular nucleus. , 2000, 416, 291-308.		52
83	Discovery, Synthesis, and Structureâ€"Activity Relationship Development of a Series of <i>N</i>-4-(2,5-Dioxopyrrolidin-1-yl)phenylpicolinamides (VU0400195, ML182): Characterization of a Novel Positive Allosteric Modulator of the Metabotropic Glutamate Receptor 4 (mGlu₄) with Oral Efficacy in an Antiparkinsonian Animal Model. Journal of Medicinal Chemistry, 2011, 54, 7639-7647.	2.9	52
84	Morphological changes of glutamatergic synapses in animal models of Parkinsonâ€™s disease. Frontiers in Neuroanatomy, 2015, 9, 117.	0.9	52
85	A new knock-in mouse model of l-DOPA-responsive dystonia. Brain, 2015, 138, 2987-3002.	3.7	51
86	Chronic MPTP administration regimen in monkeys: a model of dopaminergic and non-dopaminergic cell loss in Parkinsonâ€™s disease. Journal of Neural Transmission, 2018, 125, 337-363.	1.4	51
87	Course of motor and associative pallidothalamic projections in monkeys. Journal of Comparative Neurology, 2001, 429, 490-501.	0.9	50
88	Neuroglial Plasticity at Striatal Glutamatergic Synapses in Parkinson's Disease. Frontiers in Systems Neuroscience, 2011, 5, 68.	1.2	50
89	Postnatal developmental expression of regulator of G protein signaling 14 (RGS14) in the mouse brain. Journal of Comparative Neurology, 2014, 522, 186-203.	0.9	50
90	Subcellular distribution of high-voltage-activated calcium channel subtypes in rat globus pallidus neurons. Journal of Comparative Neurology, 2002, 442, 89-98.	0.9	48

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91	Progressive Cognitive Deficit, Motor Impairment and Striatal Pathology in a Transgenic Huntington Disease Monkey Model from Infancy to Adulthood. PLoS ONE, 2015, 10, e0122335.	1.1	47
92	The PDZ Scaffold NHERF-2 Interacts with mGluR5 and Regulates Receptor Activity. Journal of Biological Chemistry, 2006, 281, 29949-29961.	1.6	46
93	Adenosine A_{2A} receptor in the monkey basal ganglia: Ultrastructural localization and colocalization with the metabotropic glutamate receptor 5 in the striatum. Journal of Comparative Neurology, 2012, 520, 570-589.	0.9	44
94	Differential Localization of Protein Phosphatase-1Î±, Î² and Î³1 Isoforms in Primate Prefrontal Cortex. Cerebral Cortex, 2005, 15, 1928-1937.	1.6	43
95	Secretagogin expression delineates functionally-specialized populations of striatal parvalbumin-containing interneurons. ELife, 2016, 5, .	2.8	43
96	Localization and function of GABA transporters in the globus pallidus of parkinsonian monkeys. Experimental Neurology, 2010, 223, 505-515.	2.0	42
97	In Vivo Optogenetic Control of Striatal and Thalamic Neurons in Non-Human Primates. PLoS ONE, 2012, 7, e50808.	1.1	42
98	18F-FECNT: Validation as PET dopamine transporter ligand in parkinsonism. Experimental Neurology, 2010, 226, 265-273.	2.0	41
99	Subcellular and Subsynaptic Localization of Presynaptic and Postsynaptic Kainate Receptor Subunits in the Monkey Striatum. Journal of Neuroscience, 2001, 21, 8746-8757.	1.7	40
100	Metabotropic glutamate receptor 4 in the basal ganglia of parkinsonian monkeys: Ultrastructural localization and electrophysiological effects of activation in the striatopallidal complex. Neuropharmacology, 2013, 66, 242-252.	2.0	40
101	Synaptic microcircuitry of tyrosine hydroxylase-containing neurons and terminals in the striatum of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine-treated monkeys. Journal of Comparative Neurology, 2006, 495, 453-469.	0.9	39
102	MeCP2 Regulates the Synaptic Expression of a Dysbindin-BLOC-1 Network Component in Mouse Brain and Human Induced Pluripotent Stem Cell-Derived Neurons. PLoS ONE, 2013, 8, e65069.	1.1	38
103	Ultrastructural localization and function of dopamine D1â€like receptors in the substantia nigra pars reticulata and the internal segment of the globus pallidus of parkinsonian monkeys. European Journal of Neuroscience, 2010, 31, 836-851.	1.2	37
104	Ultrastructural localization of <scp>DREADD</scp>s in monkeys. European Journal of Neuroscience, 2019, 50, 2801-2813.	1.2	37
105	Intrinsic circuitry of the amygdaloid complex: common principles of organization in rats and cats. Trends in Neurosciences, 1998, 21, 240-241.	4.2	36
106	CART peptide and the mesolimbic dopamine system. Peptides, 2006, 27, 1987-1992.	1.2	35
107	Localization and Expression of Group I Metabotropic Glutamate Receptors in the Mouse Striatum, Globus Pallidus, and Subthalamic Nucleus: Regulatory Effects of MPTP Treatment and Constitutive Homer Deletion. Journal of Neuroscience, 2007, 27, 6249-6260.	1.7	35
108	Altered GluN2B NMDA receptor function and synaptic plasticity during early pathology in the PS2APP mouse model of Alzheimer's disease. Neurobiology of Disease, 2015, 74, 254-262.	2.1	35

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109	Differential localization and function of GABA transporters, GAT-1 and GAT-3, in the rat globus pallidus. European Journal of Neuroscience, 2011, 33, 1504-1518.	1.2	34
110	Microglia, inflammation and gut microbiota responses in a progressive monkey model of Parkinson's disease: A case series. Neurobiology of Disease, 2020, 144, 105027.	2.1	34
111	Distribution of Acetylcholinesterase-Containing Neurons in the Basal Forebrain and Upper Brainstem of the Squirrel Monkey (Saimiri sciureus). Brain Research Bulletin, 1984, 12, 95-104.	1.4	33
112	Localization and function of dopamine receptors in the subthalamic nucleus of normal and parkinsonian monkeys. Journal of Neurophysiology, 2014, 112, 467-479.	0.9	33
113	Corticostriatal and mesocortical dopamine systems: do species differences matter?. Nature Reviews Neuroscience, 2014, 15, 63-63.	4.9	33
114	Extrastriatal D2-like receptors modulate basal ganglia pathways in normal and parkinsonian monkeys. Journal of Neurophysiology, 2012, 107, 1500-1512.	0.9	32
115	Metabotropic glutamate receptors: targets for neuroprotective therapies in Parkinson disease. Current Opinion in Pharmacology, 2018, 38, 72-80.	1.7	32
116	Localization and function of pre- and postsynaptic kainate receptors in the rat globus pallidus. European Journal of Neuroscience, 2006, 23, 374-386.	1.2	30
117	Localization and pharmacological modulation of GABA-B receptors in the globus pallidus of parkinsonian monkeys. Experimental Neurology, 2011, 229, 429-439.	2.0	30
118	The corticoâ€pallidal projection: An additional route for cortical regulation of the basal ganglia circuitry. Movement Disorders, 2015, 30, 293-295.	2.2	30
119	Lesion of the centromedian thalamic nucleus in MPTPâ€treated monkeys. Movement Disorders, 2008, 23, 708-715.	2.2	29
120	Reduced noradrenergic innervation of ventral midbrain dopaminergic cell groups and the subthalamic nucleus in MPTP-treated parkinsonian monkeys. Neurobiology of Disease, 2017, 100, 9-18.	2.1	29
121	More than meets the Eyeâ€"Myelinated axons crowd the subthalamic nucleus. Movement Disorders, 2013, 28, 1811-1815.	2.2	27
122	Cortical inputs innervate calbindinâ€immunoreactive interneurons of the rat basolateral amygdaloid complex. Journal of Comparative Neurology, 2014, 522, 1915-1928.	0.9	27
123	Regulator of G protein signaling 14 (RGS14) is expressed pre- and postsynaptically in neurons of hippocampus, basal ganglia, and amygdala of monkey and human brain. Brain Structure and Function, 2018, 223, 233-253.	1.2	27
124	Differential Localization of AMPA Glutamate Receptor Subunits in the Two Segments of the Globus Pallidus and the Substantia Nigra Pars Reticulata in the Squirrel Monkey. European Journal of Neuroscience, 1996, 8, 229-233.	1.2	25
125	Continuous monitoring of intracerebral glutamate levels in awake monkeys using microdialysis and enzyme fluorometric detection. Journal of Neuroscience Methods, 2003, 126, 175-185.	1.3	25
126	An electron microscope immunocytochemical study of GABAB R2 receptors in the monkey basal ganglia: A comparative analysis with GABAB R1 receptor distribution. Journal of Comparative Neurology, 2004, 476, 65-79.	0.9	25

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127	Proteomic profiling in MPTP monkey model for early Parkinson disease biomarker discovery. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 779-787.	1.1	25
128	Ultrastructural relationships between cortical, thalamic, and amygdala glutamatergic inputs and group I metabotropic glutamate receptors in the rat accumbens. Journal of Comparative Neurology, 2010, 518, 1315-1329.	0.9	23
129	Anatomical localization of Ca_v3.1 calcium channels and electrophysiological effects of T-type calcium channel blockade in the motor thalamus of MPTP-treated monkeys. Journal of Neurophysiology, 2016, 115, 470-485.	0.9	23
130	Differential Localization of Vesicular Glutamate Transporters 1 and 2 in the Rat Striatum. , 2005, , 601-610.		23
131	Age-related changes in the expression of axonal and glial group I metabotropic glutamate receptor in the rat substantia nigra pars reticulata. Journal of Comparative Neurology, 2004, 475, 95-106.	0.9	21
132	Striatal glutamate delta-1 receptor regulates behavioral flexibility and thalamostriatal connectivity. Neurobiology of Disease, 2020, 137, 104746.	2.1	21
133	Striatal Interneurons in Transgenic Nonhuman Primate Model of Huntingtonâ€™s Disease. Scientific Reports, 2019, 9, 3528.	1.6	20
134	Midline thalamic inputs to the amygdala: Ultrastructure and synaptic targets. Journal of Comparative Neurology, 2019, 527, 942-956.	0.9	20
135	Evidence against enhanced glutamate transport in the anticonvulsant mechanism of the ketogenic diet. Epilepsy Research, 2007, 74, 232-236.	0.8	19
136	D1â€•and D2â€•like dopamine receptors regulate signaling properties of group I metabotropic glutamate receptors in the rat globus pallidus. European Journal of Neuroscience, 2007, 26, 852-862.	1.2	19
137	Intracerebroventricular Administration of AAV9-PHP.B SYN1-EmGFP Induces Widespread Transgene Expression in the Mouse and Monkey Central Nervous System. Human Gene Therapy, 2021, 32, 599-615.	1.4	18
138	GABAB receptors in the centromedian/parafascicular thalamic nuclear complex: An ultrastructural analysis of GABABR1 and GABABR2 in the monkey thalamus. Journal of Comparative Neurology, 2006, 496, 269-287.	0.9	15
139	Differential connectivity of shortâ€•vs. longâ€•range extrinsic and intrinsic cortical inputs to perirhinal neurons. Journal of Comparative Neurology, 2013, 521, 2538-2550.	0.9	15
140	mGluR4-containing corticostriatal terminals: synaptic interactions with direct and indirect pathway neurons in mice. Brain Structure and Function, 2016, 221, 4589-4599.	1.2	14
141	Striatal Cholinergic Interneurons in a Knock-in Mouse Model of L-DOPA-Responsive Dystonia. Frontiers in Systems Neuroscience, 2018, 12, 28.	1.2	14
142	Functional and ultrastructural analysis of groupâ€ƒI mGluR in striatal fast-spiking interneurons. European Journal of Neuroscience, 2007, 25, 1319-1331.	1.2	13
143	Astrocytic and neuronal localization of the scaffold protein Na+/H+ exchanger regulatory factor 2 (NHERF-2) in mouse brain. Journal of Comparative Neurology, 2006, 494, 752-762.	0.9	12
144	PSD-95 Interacts with NBCn1 and Enhances Channel-like Activity without Affecting Na/HCO3Cotransport. Cellular Physiology and Biochemistry, 2012, 30, 1444-1455.	1.1	12

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145	Structural and molecular heterogeneity of calretininâ€expressing interneurons in the rodent and primate striatum. Journal of Comparative Neurology, 2018, 526, 877-898.	0.9	12
146	Comparative analyses of transgene expression patterns after intraâ€striatal injections of rAAV2â€retro in rats and rhesus monkeys: A light and electron microscopic study. European Journal of Neuroscience, 2020, 52, 4824-4839.	1.2	12
147	Group II metabotropic glutamate receptor interactions with NHERF scaffold proteins: Implications for receptor localization in brain. Neuroscience, 2017, 353, 58-75.	1.1	11
148	Common and distinct neural trends of allocentric and egocentric spatial coding: An ALE metaâ€analysis. European Journal of Neuroscience, 2021, 53, 3672-3687.	1.2	11
149	Glutamate Delta-1 Receptor Regulates Inhibitory Neurotransmission in the Nucleus Accumbens Core and Anxiety-Like Behaviors. Molecular Neurobiology, 2021, 58, 4787-4801.	1.9	11
150	Comparative Ultrastructural Analysis of D1 and D5 Dopamine Receptor Distribution in the Substantia Nigra and Globus Pallidus of Monkeys. Advances in Behavioral Biology, 2009, 58, 239-253.	0.2	11
151	Thalamic degeneration in MPTP-treated Parkinsonian monkeys: impact upon glutamatergic innervation of striatal cholinergic interneurons. Brain Structure and Function, 2019, 224, 3321-3338.	1.2	9
152	Structural plasticity of GABAergic and glutamatergic networks in the motor thalamus of parkinsonian monkeys. Journal of Comparative Neurology, 2020, 528, 1436-1456.	0.9	9
153	Ultrastructural localization of glutamate delta 1 (<scp>GluD1</scp>) receptor immunoreactivity in the mouse and monkey striatum. Journal of Comparative Neurology, 2021, 529, 1703-1718.	0.9	9
154	GABA transporter subtype 1 and GABA transporter subtype 3 modulate glutamatergic transmission via activation of presynaptic GABA_B receptors in the rat globus pallidus. European Journal of Neuroscience, 2012, 36, 2482-2492.	1.2	8
155	Cortical Serotonergic and Catecholaminergic Denervation in MPTP-Treated Parkinsonian Monkeys. Cerebral Cortex, 2022, 32, 1804-1822.	1.6	8
156	Dendrite spines plasticity in brain disorders. Neuroscience, 2013, 251, 1.	1.1	7
157	Characterization of the GfaABC1D promoter to selectively target astrocytes in the rhesus macaque brain. Journal of Neuroscience Methods, 2022, 372, 109530.	1.3	7
158	Anatomical and Functional Organization of the Thalamostriatal Systems. Handbook of Behavioral Neuroscience, 2010, , 381-396.	0.7	6
159	Non-human primate research of basal ganglia and movement disorders: advances and challenges. Journal of Neural Transmission, 2018, 125, 275-278.	1.4	6
160	Extrastriatal plasticity in parkinsonism. Basal Ganglia, 2013, 3, 5-8.	0.3	5
161	Sub-synaptic localization of Cav3.1 T-type calcium channels in the thalamus of normal and parkinsonian monkeys. Brain Structure and Function, 2017, 222, 735-748.	1.2	5
162	Glutamatergic inputs to GABAergic interneurons in the motor thalamus of control and parkinsonian monkeys. European Journal of Neuroscience, 2021, 53, 2049-2060.	1.2	5

#	Article	IF	Citations
163	Comparative Ultrastructural Analysis of Thalamocortical Innervation of the Primary Motor Cortex and Supplementary Motor Area in Control and MPTP-Treated Parkinsonian Monkeys. Cerebral Cortex, 2021, 31, 3408-3425.	1.6	5
164	Group I metabotropic glutamate receptors in the primate motor thalamus: subsynaptic association with cortical and sub-cortical glutamatergic afferents. Brain Structure and Function, 2019, 224, 2787-2804.	1.2	3
165	Efferent connections of the internal globus pallidus in the squirrel monkey: II. topography and synaptic organization of pallidal efferents to the pedunculopontine nucleus. , 1997, 382, 348.		3
166	Editorial: Thalamic Interactions With the Basal Ganglia: Thalamostriatal System and Beyond. Frontiers in Systems Neuroscience, 2022, 16, 883094.	1.2	3
167	Metabotropic Glutamate Receptors and Parkinsonâ€™s Disease: Basic and Preclinical Neuroscience. , 2017, , 33-57.		2
168	Neuroprotective Properties of Glutamate Metabotropic Glutamate Receptors in Parkinsonâ€™s Disease and Other Brain Disorders. Receptors, 2017, , 103-127.	0.2	2
169	â€œDiversity matters seriesâ€â€"The ALBA network. European Journal of Neuroscience, 2021, 54, 4055-4060.	1.2	2
170	GABAergic and Dopaminergic Modulation of Basal Ganglia Output in Primates. , 2005, , 575-584.		2
171	Functional Anatomy and Physiology of the Basal Ganglia: Motor Functions. , 2008, , 1-32.		2
172	The Thalamostriatal System and Cognition. Innovations in Cognitive Neuroscience, 2016, , 69-85.	0.3	2
173	Basal Ganglia Circuitry and Synaptic Connectivity. , 0, , 19-40.		2
174	Papers arising from the 12th International Basal Ganglia Society Meeting. March 26thâ€"30th 2017, MÃ©rida, YucatÃ¡n, MÃ©xico. European Journal of Neuroscience, 2019, 49, 591-592.	1.2	0
175	â€œThe Trailblazers of Neuroscience.â€• European Journal of Neuroscience, 2021, 53, 2419-2420.	1.2	0
176	Special Issue Editorial: Basal Ganglia/Movement Disorders. European Journal of Neuroscience, 2021, 53, 2045-2048.	1.2	0
177	Striatal Dopaminergic Denervation and Spine Loss in MPTP-Treated Monkeys. Advances in Behavioral Biology, 2009, , 361-375.	0.2	0
178	â€œDiversity matters seriesâ€â€"The Black In Neuro movement. European Journal of Neuroscience, 2022, 55, 343-349.	1.2	0