Serge N Schiffmann

List of Publications by Citations

147 papers	10,592 citations	53 h-index	101 g-index
149 ext. papers	11,794 ext. citations	6.6 avg, IF	5.58 L-index

#	Paper	IF	Citations
147	The metastasis suppressor gene KiSS-1 encodes kisspeptins, the natural ligands of the orphan G protein-coupled receptor GPR54. *Journal of Biological Chemistry*, **2001**, 276, 34631-6	5.4	1059
146	Aggressiveness, hypoalgesia and high blood pressure in mice lacking the adenosine A2a receptor. *Nature*, **1997**, 388, 674-8	50.4	772
145	An intrinsic mechanism of corticogenesis from embryonic stem cells. *Nature*, **2008**, 455, 351-7	50.4	481
144	Striatal restricted adenosine A2 receptor (RDC8) is expressed by enkephalin but not by substance P neurons: an in situ hybridization histochemistry study. *Journal of Neurochemistry*, **1991**, 57, 1062-7	6	467
143	Pyramidal neurons derived from human pluripotent stem cells integrate efficiently into mouse brain circuits in vivo. *Neuron*, **2013**, 77, 440-56	13.9	364
142	TNewTfunctions for ToldTproteins: the role of the calcium-binding proteins calbindin D-28k, calretinin and parvalbumin, in cerebellar physiology. Studies with knockout mice. *Cerebellum*, **2002**, 1, 241-58	4.3	297
141	Nitric oxide synthase activity in infantile hypertrophic pyloric stenosis. *New England Journal of Medicine*, **1992**, 327, 511-5	59.2	292
140	INPP5E mutations cause primary cilium signaling defects, ciliary instability and ciliopathies in human and mouse. *Nature Genetics*, **2009**, 41, 1027-31	36.3	257
139	RDC8 codes for an adenosine A2 receptor with physiological constitutive activity. *Biochemical and Biophysical Research Communications*, **1990**, 173, 1169-78	3.4	248
138	D2R striatopallidal neurons inhibit both locomotor and drug reward processes. *Nature Neuroscience* , **2009**, 12, 393-5	25.5	209
137	An update on adenosine A2A-dopamine D2 receptor interactions: implications for the function of G protein-coupled receptors. *Current Pharmaceutical Design*, **2008**, 14, 1468-74	3.3	203
136	Reelin mRNA expression during mouse brain development. *European Journal of Neuroscience*, **1997**, 9, 1055-71	3.5	193
135	Modulation of Ciliary Phosphoinositide Content Regulates Trafficking and Sonic Hedgehog Signaling Output. *Developmental Cell*, **2015**, 34, 338-50	10.2	171
134	Distribution of adenosine A2 receptor mRNA in the human brain. *Neuroscience Letters*, **1991**, 130, 177-81	3.3	158
133	Lack of parvalbumin in mice leads to behavioral deficits relevant to all human autism core symptoms and related neural morphofunctional abnormalities. *Translational Psychiatry*, **2015**, 5, e525	8.6	154
132	Dopamine D2 and adenosine A2A receptors regulate NMDA-mediated excitation in accumbens neurons through A2A-D2 receptor heteromerization. *Neuropsychopharmacology*, **2009**, 34, 972-86	8.7	145
131	Impaired motor coordination and Purkinje cell excitability in mice lacking calretinin. *Proceedings of the National Academy of Sciences of the United States of America*, **1999**, 96, 5257-62	11.5	143

130	Differential regulation of motor control and response to dopaminergic drugs by D1R and D2R neurons in distinct dorsal striatum subregions. *EMBO Journal*, **2012**, 31, 640-53	13	138
129	Distribution of cells containing mRNA encoding cholecystokinin in the rat central nervous system. *Journal of Comparative Neurology*, **1991**, 304, 219-33	3.4	131
128	Impaired long-term potentiation induction in dentate gyrus of calretinin-deficient mice. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 10415-20	11.5	123
127	Nitric oxide synthase distribution in the enteric nervous system of Hirschsprung's disease. *Gastroenterology*, **1993**, 105, 969-73	13.3	115
126	Adenosine receptors and Huntington's disease: implications for pathogenesis and therapeutics. *Lancet Neurology, The*, **2003**, 2, 366-74	24.1	113
125	Neurons and cardiomyocytes derived from induced pluripotent stem cells as a model for mitochondrial defects in Friedreich's ataxia. *DMM Disease Models and Mechanisms*, **2013**, 6, 608-21	4.1	111
124	Allosteric interactions between agonists and antagonists within the adenosine A2A receptor-dopamine D2 receptor heterotetramer. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E3609-18	11.5	107
123	Altered neuronal excitability in cerebellar granule cells of mice lacking calretinin. *Journal of Neuroscience*, **2003**, 23, 9320-7	6.6	106
122	A dual role of adenosine A2A receptors in 3-nitropropionic acid-induced striatal lesions: implications for the neuroprotective potential of A2A antagonists. *Journal of Neuroscience*, **2003**, 23, 5361-9	6.6	105
121	Aminopyridines correct early dysfunction and delay neurodegeneration in a mouse model of spinocerebellar ataxia type 1. *Journal of Neuroscience*, **2011**, 31, 11795-807	6.6	104
120	Slow-wave sleep is controlled by a subset of nucleus accumbens core neurons in mice. *Nature Communications*, **2017**, 8, 734	17.4	95
119	Working memory deficits in transgenic rats overexpressing human adenosine A2A receptors in the brain. *Neurobiology of Learning and Memory*, **2007**, 87, 42-56	3.1	94
118	Inactivation of adenosine A2A receptor impairs long term potentiation in the accumbens nucleus without altering basal synaptic transmission. *Neuroscience*, **2001**, 107, 455-64	3.9	94
117	Cellular distribution of the new growth factor pleiotrophin (HB-GAM) mRNA in developing and adult rat tissues. *Anatomy and Embryology*, **1992**, 186, 387-406		93
116	Purkinje cell dysfunction and alteration of long-term synaptic plasticity in fetal alcohol syndrome. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 9858-63	11.5	82
115	Autoradiographic visualization of the receptor subclasses for vasoactive intestinal polypeptide (VIP) in rat brain. *Peptides*, **1997**, 18, 1547-54	3.8	81
114	Inactivation of calcium-binding protein genes induces 160 Hz oscillations in the cerebellar cortex of alert mice. *Journal of Neuroscience*, **2004**, 24, 434-41	6.6	77
113	Dopamine D3 receptor stimulation promotes the proliferation of cells derived from the post-natal subventricular zone. *Journal of Neurochemistry*, **2004**, 91, 1292-301	6	77

112	A cloned G protein-coupled protein with a distribution restricted to striatal medium-sized neurons. Possible relationship with D1 dopamine receptor. *Brain Research*, **1990**, 519, 333-7	3.7	75
111	Kit-negative fibroblast-like cells expressing SK3, a Ca2+-activated K+ channel, in the gut musculature in health and disease. *Cell and Tissue Research*, **2002**, 310, 349-58	4.2	73
110	Neuronal Nogo-A negatively regulates dendritic morphology and synaptic transmission in the cerebellum. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 1083-8	11.5	71
109	Age-related shift in LTD is dependent on neuronal adenosine A receptors interplay with mGluR5 and NMDA receptors. *Molecular Psychiatry*, **2020**, 25, 1876-1900	15.1	71
108	Nanodomain coupling at an excitatory cortical synapse. *Current Biology*, **2013**, 23, 244-9	6.3	70
107	Matrix-binding vascular endothelial growth factor (VEGF) isoforms guide granule cell migration in the cerebellum via VEGF receptor Flk1. *Journal of Neuroscience*, **2010**, 30, 15052-66	6.6	68
106	Post-translational modification of human brain type I inositol-1,4,5-trisphosphate 5-phosphatase by farnesylation. *Journal of Biological Chemistry*, **1996**, 271, 10419-24	5.4	68
105	The adenosine A1 receptor agonist adenosine amine congener exerts a neuroprotective effect against the development of striatal lesions and motor impairments in the 3-nitropropionic acid model of neurotoxicity. *Journal of Neuroscience*, **2002**, 22, 9122-33	6.6	68
104	Stem cell factor and mesenchymal and neural stem cell transplantation in a rat model of Huntington's disease. *Molecular and Cellular Neurosciences*, **2008**, 37, 454-70	4.8	66
103	Altered neuron excitability and synaptic plasticity in the cerebellar granular layer of juvenile prion protein knock-out mice with impaired motor control. *Journal of Neuroscience*, **2008**, 28, 7091-103	6.6	64
102	CD34 immunoreactivity and interstitial cells of Cajal in the human and mouse gastrointestinal tract. *Cell and Tissue Research*, **2000**, 302, 145-53	4.2	64
101	Grafting neural precursor cells promotes functional recovery in an SCA1 mouse model. *Journal of Neuroscience*, **2009**, 29, 13126-35	6.6	62
100	Distribution of the nociceptin and nocistatin precursor transcript in the mouse central nervous system. *Neuroscience*, **1999**, 91, 991-1007	3.9	61
99	Functional striatal hypodopaminergic activity in mice lacking adenosine A(2A) receptors. *Journal of Neurochemistry*, **2001**, 78, 183-98	6	59
98	Expression of Cre recombinase in dopaminoceptive neurons. *BMC Neuroscience*, **2007**, 8, 4	3.2	58
97	Homeostatic plasticity of striatal neurons intrinsic excitability following dopamine depletion. *PLoS ONE*, **2009**, 4, e6908	3.7	57
96	Glial cells, but not interstitial cells, express P2X7, an ionotropic purinergic receptor, in rat gastrointestinal musculature. *Cell and Tissue Research*, **2003**, 312, 149-54	4.2	55
95	Parvalbumin tunes spike-timing and efferent short-term plasticity in striatal fast spiking interneurons. *Journal of Physiology*, **2013**, 591, 3215-32	3.9	53

94	Bidirectional synaptic plasticity as a consequence of interdependent Ca2+-controlled phosphorylation and dephosphorylation pathways. *European Journal of Neuroscience*, **2003**, 17, 2521-8	3.5	52
93	Targeting neuronal populations of the striatum. *Frontiers in Neuroanatomy*, **2011**, 5, 40	3.6	51
92	Effects of remifentanil on N-methyl-D-aspartate receptor: an electrophysiologic study in rat spinal cord. *Anesthesiology*, **2005**, 102, 1235-41	4.3	51
91	Minocycline in phenotypic models of Huntington's disease. *Neurobiology of Disease*, **2005**, 18, 206-17	7.5	50
90	Distribution and ultrastructure of interstitial cells of Cajal in the mouse colon, using antibodies to Kit and Kit(W-lacZ) mice. *Cell and Tissue Research*, **2000**, 302, 155-70	4.2	50
89	Death of cortical and striatal neurons induced by mitochondrial defect involves differential molecular mechanisms. *Neurobiology of Disease*, **2004**, 15, 152-9	7.5	49
88	Mono- and dual-frequency fast cerebellar oscillation in mice lacking parvalbumin and/or calbindin D-28k. *European Journal of Neuroscience*, **2005**, 22, 861-70	3.5	48
87	Progressive myoclonic epilepsy-associated gene KCTD7 is a regulator of potassium conductance in neurons. *Molecular Neurobiology*, **2011**, 44, 111-21	6.2	47
86	Targeted calretinin expression in granule cells of calretinin-null mice restores normal cerebellar functions. *FASEB Journal*, **2006**, 20, 380-2	0.9	46
85	Striatal adenosine A receptor neurons control active-period sleep via parvalbumin neurons in external globus pallidus. *ELife*, **2017**, 6,	8.9	45
84	Striatal and cortical neurochemical changes induced by chronic metabolic compromise in the 3-nitropropionic model of Huntington's disease. *Neurobiology of Disease*, **2002**, 10, 410-26	7.5	45
83	Topological analysis of striatal lesions induced by 3-nitropropionic acid in the Lewis rat. *NeuroReport*, **2001**, 12, 1769-72	1.7	44
82	The prolactin-releasing peptide antagonizes the opioid system through its receptor GPR10. *Nature Neuroscience*, **2005**, 8, 1735-41	25.5	43
81	Distribution of the intermediate filament nestin in the muscularis propria of the human gastrointestinal tract. *Cell and Tissue Research*, **2002**, 309, 261-8	4.2	41
80	Modulation of neuronal excitability by intracellular calcium buffering: from spiking to bursting. *Cell Calcium*, **2006**, 39, 455-66	4	40
79	Immunocytochemical detection of GABAergic nerve cells in the human temporal cortex using a direct gamma-aminobutyric acid antiserum. *Brain Research*, **1988**, 442, 270-8	3.7	39
78	Inhibition of constitutive inward rectifier currents in cerebellar granule cells by pharmacological and synaptic activation of GABA receptors. *European Journal of Neuroscience*, **2006**, 24, 419-32	3.5	38
77	Homolateral cerebrocortical increase of immediate early gene and neurotransmitter messenger RNAs after minimal cortical lesion: blockade by N-methyl-D-aspartate antagonist. *Neuroscience*, **1994**, 59, 827-36	3.9	37

76	Distribution of SV2C mRNA and protein expression in the mouse brain with a particular emphasis on the basal ganglia system. *Brain Research*, **2011**, 1367, 130-45	3.7	36
75	Neuroprotective effect of zVAD against the neurotoxin 3-nitropropionic acid involves inhibition of calpain. *Neuropharmacology*, **2005**, 49, 695-702	5.5	35
74	Caffeine-mediated induction of c-fos, zif-268 and arc expression through A1 receptors in the striatum: different interactions with the dopaminergic system. *European Journal of Neuroscience*, **1999**, 11, 3101-14	3.5	35
73	FACS array profiling identifies Ecto-5Tnucleotidase as a striatopallidal neuron-specific gene involved in striatal-dependent learning. *Journal of Neuroscience*, **2013**, 33, 8794-809	6.6	34
72	Projections of nucleus accumbens adenosine A2A receptor neurons in the mouse brain and their implications in mediating sleep-wake regulation. *Frontiers in Neuroanatomy*, **2013**, 7, 43	3.6	34
71	Maturation of "neocortex isole" in vivo in mice. *Journal of Neuroscience*, **2010**, 30, 7928-39	6.6	34
70	Expression of mRNA of parathyroid hormone-related peptide in fetal bones of the rat. *Cell and Tissue Research*, **1992**, 270, 597-600	4.2	34
69	Age-related loss of mRNA encoding adenosine A2 receptor in the rat striatum. *Neuroscience Letters*, **1993**, 158, 121-4	3.3	30
68	A role for Sv2c in basal ganglia functions. *Brain Research*, **2013**, 1507, 61-73	3.7	29
67	Interstitial cells of Cajal in the striated musculature of the mouse esophagus. *Cell and Tissue Research*, **2001**, 306, 1-14	4.2	29
66	Calretinin expression as a critical component in the control of dentate gyrus long-term potentiation induction in mice. *European Journal of Neuroscience*, **1998**, 10, 3029-33	3.5	28
65	Effect of chronic ethanol ingestion on Purkinje and Golgi cell firing in vivo and on motor coordination in mice. *Brain Research*, **2005**, 1055, 171-9	3.7	27
64	Ontogeny of gene expression of adenosine A2 receptor in the striatum: early localization in the patch compartment. *Journal of Comparative Neurology*, **1992**, 317, 117-28	3.4	27
63	Role of calcium binding proteins in the control of cerebellar granule cell neuronal excitability: experimental and modeling studies. *Progress in Brain Research*, **2005**, 148, 321-8	2.9	26
62	Decrease of zif-268 and c-fos and increase of c-jun mRNA in the cat areas 17, 18 and 19 following complete visual deafferentation. *European Journal of Neuroscience*, **1995**, 7, 1292-6	3.5	26
61	Cholecystokinin mRNA detection in rat spinal cord motoneurons but not in dorsal root ganglia neurons. *Neuroscience Letters*, **1991**, 123, 123-6	3.3	26
60	Study of neuropeptide Y-containing nerve fibers in the human penis. *Cell and Tissue Research*, **1988**, 254, 69-74	4.2	26
59	Unraveling the differential functions and regulation of striatal neuron sub-populations in motor control, reward, and motivational processes. *Frontiers in Behavioral Neuroscience*, **2011**, 5, 47	3.5	25

58	The Ets transcription factor Fev is specifically expressed in the human central serotonergic neurons. *Neuroscience Letters*, **2004**, 357, 215-8	3.3	24
57	Neuropeptide Y-containing neurons in the human infant hippocampus. *Brain Research*, **1989**, 478, 211-26	3.7	24
56	Developmental defects and rescue from glucose intolerance of a catalytically-inactive novel Ship2 mutant mouse. *Cellular Signalling*, **2012**, 24, 1971-80	4.9	22
55	Age dependence of strain determinant on mice motor coordination. *Brain Research*, **2005**, 1039, 37-42	3.7	22
54	Acute and chronic caffeine administration differentially alters striatal gene expression in wild-type and adenosine A(2A) receptor-deficient mice. *Synapse*, **2001**, 42, 63-76	2.4	22
53	The SH2 domain-containing 5-phosphatase SHIP2 is expressed in the germinal layers of embryo and adult mouse brain: increased expression in N-CAM-deficient mice. *Neuroscience*, **2001**, 105, 1019-30	3.9	22
52	Tricyclic antidepressant imipramine reduces the insulin secretory rate in islet cells of Wistar albino rats through a calcium antagonistic action. *Diabetologia*, **2004**, 47, 909-16	10.3	20
51	Effect of simple spike firing mode on complex spike firing rate and waveform in cerebellar Purkinje cells in non-anesthetized mice. *Neuroscience Letters*, **2004**, 367, 171-6	3.3	20
50	Increased Alix (apoptosis-linked gene-2 interacting protein X) immunoreactivity in the degenerating striatum of rats chronically treated by 3-nitropropionic acid. *Neuroscience Letters*, **2004**, 368, 309-13	3.3	20
49	Comparative study of hippocampal neuronal loss and in vivo binding of 5-HT1a receptors in the KA model of limbic epilepsy in the rat. *Epilepsy Research*, **2001**, 47, 127-39	3	20
48	Adenosine A receptors in the olfactory bulb suppress rapid eye movement sleep in rodents. *Brain Structure and Function*, **2017**, 222, 1351-1366	4	19
47	Autoradiographic visualization of the receptor subclasses for vasoactive intestinal polypeptide (VIP) in rat brain. *Annals of the New York Academy of Sciences*, **1998**, 865, 412-5	6.5	19
46	Distribution of neuropeptide Y immunoreactivity in human visual cortex and underlying white matter. *Peptides*, **1987**, 8, 1107-17	3.8	19
45	Lesion of the nigrostriatal pathway induces cholecystokinin messenger RNA expression in the rat striatum. An in situ hybridization histochemistry study. *Neuroscience*, **1992**, 50, 551-7	3.9	18
44	Striatopallidal Neuron NMDA Receptors Control Synaptic Connectivity, Locomotor, and Goal-Directed Behaviors. *Journal of Neuroscience*, **2016**, 36, 4976-92	6.6	18
43	Co-existence of cholecystokinin- or gastrin-like peptides with other peptides in the hypophysis and the hypothalamus. *Annals of the New York Academy of Sciences*, **1985**, 448, 334-44	6.5	16
42	Expression of adenosine A 2A receptors in the rat lumbar spinal cord and implications in the modulation of N-methyl-d-aspartate receptor currents. *Anesthesia and Analgesia*, **2008**, 106, 1882-9	3.9	15
41	Genetic deletion of PDE10A selectively impairs incentive salience attribution and decreases medium spiny neuron excitability. *Behavioural Brain Research*, **2014**, 268, 48-54	3.4	14

40	Adenosine A2a receptor expression in striatal neurons: Implications for basal ganglia pathophysiology. *Drug Development Research*, **1993**, 28, 381-385	5.1	14
39	Primary proprioceptive neurons from human induced pluripotent stem cells: a cell model for afferent ataxias. *Scientific Reports*, **2020**, 10, 7752	4.9	14
38	Control of neuronal excitability by calcium binding proteins: a new mathematical model for striatal fast-spiking interneurons. *Frontiers in Molecular Neuroscience*, **2012**, 5, 78	6.1	13
37	Unilateral induction of progenitors in the spinal cord of hSOD1(G93A) transgenic rats correlates with an asymmetrical hind limb paralysis. *Neuroscience Letters*, **2006**, 401, 25-9	3.3	12
36	Electrophysiological behavior of Purkinje cells and motor coordination in calretinin knock-out mice. *Progress in Brain Research*, **2000**, 124, 299-308	2.9	12
35	Caffeine regulates neurotensin and cholecystokinin messenger RNA expression in the rat striatum. *Neuroscience*, **1993**, 54, 681-9	3.9	12
34	Tonically Active Δ Subunit-Containing Glycine Receptors Regulate the Excitability of Striatal Medium Spiny Neurons. *Frontiers in Molecular Neuroscience*, **2017**, 10, 442	6.1	11
33	Chronic intoxication with 3-nitropropionic acid in rats induces the loss of striatal dopamine terminals without affecting nigral cell viability. *Neuroscience Letters*, **2004**, 354, 234-8	3.3	11
32	Activation of protein kinase C and inositol 1,4,5-triphosphate receptors antagonistically modulate voltage-gated sodium channels in striatal neurons. *Brain Research*, **2005**, 1059, 189-96	3.7	11
31	Fast oscillation in the cerebellar cortex of calcium binding protein-deficient mice: a new sensorimotor arrest rhythm. *Progress in Brain Research*, **2005**, 148, 165-80	2.9	11
30	Homolateral cerebrocortical changes in neuropeptide and receptor expression after minimal cortical infarction. *Neuroscience*, **1995**, 69, 847-58	3.9	11
29	Changes in neurohypophysial cholecystokinin content during oestrous cycle in the rat. *Neurochemistry International*, **1984**, 6, 779-82	4.4	11
28	Deletion of in mice abolishes locomotor and reinforcing effects of cocaine. *EMBO Reports*, **2018**, 19,	6.5	8
27	Calcium binding protein calcyphosine in dog central astrocytes and ependymal cells and in peripheral neurons. *Journal of Chemical Neuroanatomy*, **1998**, 15, 239-50	3.2	8
26	Cholecystokinin distribution in the human striatum and related subcortical structures. *Neurochemistry International*, **1989**, 14, 167-73	4.4	8
25	Early-onset Purkinje cell dysfunction underlies cerebellar ataxia in peroxisomal multifunctional protein-2 deficiency. *Neurobiology of Disease*, **2016**, 94, 157-68	7.5	8
24	Increase of substance P and met-enkephalin in a severely atrophied striatum without clinical expression of chorea. *Neurochemistry International*, **1989**, 14, 175-83	4.4	7
23	Neurotensin containing neurones in the human hippocampus of the adult and during development. *Neurochemistry International*, **1989**, 14, 143-51	4.4	7

22	Activation of adenosine A receptors in the olfactory tubercle promotes sleep in rodents. *Neuropharmacology*, **2020**, 168, 107923	5.5	6
21	GPRIN3 Controls Neuronal Excitability, Morphology, and Striatal-Dependent Behaviors in the Indirect Pathway of the Striatum. *Journal of Neuroscience*, **2019**, 39, 7513-7528	6.6	5
20	Bidirectional Control of Reversal in a Dual Action Task by Direct and Indirect Pathway Activation in the Dorsolateral Striatum in Mice. *Frontiers in Behavioral Neuroscience*, **2017**, 11, 256	3.5	5
19	The Controversial Role of Adenosine A2A Receptor Antagonists as Neuro-protective Agents. *Current Medicinal Chemistry - Central Nervous System Agents*, **2004**, 4, 35-45		5
18	Le cerveau en constante reconstruction´: le concept de plasticité cérébrale. *Cahiers De Psychologie Clinique*, **2001**, 16, 11	0.1	5
17	Neuropeptide Y, somatostatin, and cholecystokinin neurone preservation in anaplastic astrocytomas. *Acta Neuropathologica*, **1988**, 76, 507-10	14.3	5
16	High concentration of somatostatin-14 neurones in the infant human hippocampus. *Neurochemistry International*, **1989**, 14, 153-8	4.4	4
15	Immunocytochemical detection of GABAergic nerve cells in the human striatum and cerebellum using a gamma-aminobutyric acid antiserum. *Neurochemistry International*, **1990**, 17, 101-6	4.4	4
14	Ablation of striatal somatostatin interneurons affects MSN morphology and electrophysiological properties, and increases cocaine-induced hyperlocomotion in mice. *European Journal of Neuroscience*, **2020**, 51, 1388-1402	3.5	4
13	Alpha2-Containing Glycine Receptors Promote Neonatal Spontaneous Activity of Striatal Medium Spiny Neurons and Support Maturation of Glutamatergic Inputs. *Frontiers in Molecular Neuroscience* , **2018**, 11, 380	6.1	4
12	Adenosine A2 Receptor Regulation of Striatal Gene Expression **1995**, 71-76		4
11	Mammalian Target of Rapamycin-RhoA Signaling Impairments in Direct Striatal Projection Neurons Induce Altered Behaviors and Striatal Physiology in Mice. *Biological Psychiatry*, **2020**, 88, 945-954	7.9	3
10	Subcellular structural plasticity caused by the absence of the fast Ca(2+) buffer calbindin D-28k in recurrent collaterals of cerebellar Purkinje neurons. *Frontiers in Cellular Neuroscience*, **2014**, 8, 364	6.1	3
9	Ontogeny of cholecystokinin receptors in the human striatum. *Neuroscience Letters*, **1992**, 141, 39-42	3.3	3
8	Coactivation of dopamine D1 and D2 receptors increases the affinity of cholecystokinin-8 receptors in membranes from post-mortem human caudate-putamen. *Brain Research*, **1992**, 584, 157-62	3.7	3
7	Blockade of A1 receptors by caffeine induces c-fos, zif-268 and ARC expression in the striatum through different interactions with the dopamine system. *Advances in Experimental Medicine and Biology*, **2000**, 486, 207-16	3.6	2
6	Transient neurotensin in the cat inferior olive during development. *Neurochemistry International*, **1989**, 14, 159-61	4.4	2
5	The Effect of Serotonin Receptor 5-HT1B on Lateral Inhibition between Spiny Projection Neurons in the Mouse Striatum. *Journal of Neuroscience*, **2021**, 41, 7831-7847	6.6	2

4	Induced pluripotent stem cell-derived primary proprioceptive neurons as Friedreich ataxia cell model		1
3	Dorsal and ventral striatal neuronal subpopulations differentially disrupt male mouse copulatory behavior. *European Neuropsychopharmacology*, **2021**, 49, 23-37	1.2	0
2	In Situ Hybridization of Adenosine Receptors in Brain **1995**, 21-26		
1	Deux décennies de recherche en neuroscience : avancées et perspectives. *Cahiers De Psychologie Clinique*, **2013**, n° 40, 71-87	0.1	