

# Serge N Schiffmann

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/2451382/serge-n-schiffmann-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 Effect of Serotonin Receptor 5-HT1B on Lateral Inhibition between Spiny Projection Neurons in the Mouse Striatum. <i>Journal of Neuroscience</i> , <b>2021</b> , 41, 7831-7847  | 6.6  | 2         |
| 146 | Dorsal and ventral striatal neuronal subpopulations differentially disrupt male mouse copulatory behavior. <i>European Neuropsychopharmacology</i> , <b>2021</b> , 49, 23-37  | 1.2  | 0         |
| 145 | Mammalian Target of Rapamycin-RhoA Signaling Impairments in Direct Striatal Projection Neurons Induce Altered Behaviors and Striatal Physiology in Mice. <i>Biological Psychiatry</i> , <b>2020</b> , 88, 945-954                       | 7.9  | 3         |
| 144 | Ablation of striatal somatostatin interneurons affects MSN morphology and electrophysiological properties, and increases cocaine-induced hyperlocomotion in mice. <i>European Journal of Neuroscience</i> , <b>2020</b> , 51, 1388-1402 | 3.5  | 4         |
| 143 | Activation of adenosine A receptors in the olfactory tubercle promotes sleep in rodents. <i>Neuropharmacology</i> , <b>2020</b> , 168, 107923   | 5.5  | 6         |
| 142 | Primary proprioceptive neurons from human induced pluripotent stem cells: a cell model for afferent ataxias. <i>Scientific Reports</i> , <b>2020</b> , 10, 7752   | 4.9  | 14        |
| 141 | Age-related shift in LTD is dependent on neuronal adenosine A receptors interplay with mGluR5 and NMDA receptors. <i>Molecular Psychiatry</i> , <b>2020</b> , 25, 1876-1900   | 15.1 | 71        |
| 140 | GPRIN3 Controls Neuronal Excitability, Morphology, and Striatal-Dependent Behaviors in the Indirect Pathway of the Striatum. <i>Journal of Neuroscience</i> , <b>2019</b> , 39, 7513-7528   | 6.6  | 5         |
| 139 | Deletion of in mice abolishes locomotor and reinforcing effects of cocaine. <i>EMBO Reports</i> , <b>2018</b> , 19,   | 6.5  | 8         |
| 138 | Alpha2-Containing Glycine Receptors Promote Neonatal Spontaneous Activity of Striatal Medium Spiny Neurons and Support Maturation of Glutamatergic Inputs. <i>Frontiers in Molecular Neuroscience</i> , <b>2018</b> , 11, 380           | 6.1  | 4         |
| 137 | Slow-wave sleep is controlled by a subset of nucleus accumbens core neurons in mice. <i>Nature Communications</i> , <b>2017</b> , 8, 734  | 17.4 | 95        |
| 136 | Tonically Active $\alpha$ Subunit-Containing Glycine Receptors Regulate the Excitability of Striatal Medium Spiny Neurons. <i>Frontiers in Molecular Neuroscience</i> , <b>2017</b> , 10, 442   | 6.1  | 11        |
| 135 | Adenosine A receptors in the olfactory bulb suppress rapid eye movement sleep in rodents. <i>Brain Structure and Function</i> , <b>2017</b> , 222, 1351-1366  | 4    | 19        |
| 134 | Bidirectional Control of Reversal in a Dual Action Task by Direct and Indirect Pathway Activation in the Dorsolateral Striatum in Mice. <i>Frontiers in Behavioral Neuroscience</i> , <b>2017</b> , 11, 256                             | 3.5  | 5         |
| 133 | Striatal adenosine A receptor neurons control active-period sleep via parvalbumin neurons in external globus pallidus. <i>ELife</i> , <b>2017</b> , 6,  | 8.9  | 45        |
| 132 | Early-onset Purkinje cell dysfunction underlies cerebellar ataxia in peroxisomal multifunctional protein-2 deficiency. <i>Neurobiology of Disease</i> , <b>2016</b> , 94, 157-68  | 7.5  | 8         |
| 131 | Striatopallidal Neuron NMDA Receptors Control Synaptic Connectivity, Locomotor, and Goal-Directed Behaviors. <i>Journal of Neuroscience</i> , <b>2016</b> , 36, 4976-92   | 6.6  | 18        |

|     |  |      |     |
|-----|--|------|-----|
| 130 | Modulation of Ciliary Phosphoinositide Content Regulates Trafficking and Sonic Hedgehog Signaling Output. <i>Developmental Cell</i> , <b>2015</b> , 34, 338-50   | 10.2 | 171 |
| 129 | Allosteric interactions between agonists and antagonists within the adenosine A2A receptor-dopamine D2 receptor heterotetramer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E3609-18 | 11.5 | 107 |
| 128 | Lack of parvalbumin in mice leads to behavioral deficits relevant to all human autism core symptoms and related neural morphofunctional abnormalities. <i>Translational Psychiatry</i> , <b>2015</b> , 5, e525                                       | 8.6  | 154 |
| 127 | Subcellular structural plasticity caused by the absence of the fast Ca(2+) buffer calbindin D-28k in recurrent collaterals of cerebellar Purkinje neurons. <i>Frontiers in Cellular Neuroscience</i> , <b>2014</b> , 8, 364                          | 6.1  | 3   |
| 126 | Genetic deletion of PDE10A selectively impairs incentive salience attribution and decreases medium spiny neuron excitability. <i>Behavioural Brain Research</i> , <b>2014</b> , 268, 48-54   | 3.4  | 14  |
| 125 | A role for Sv2c in basal ganglia functions. <i>Brain Research</i> , <b>2013</b> , 1507, 61-73  | 3.7  | 29  |
| 124 | Nanodomain coupling at an excitatory cortical synapse. <i>Current Biology</i> , <b>2013</b> , 23, 244-9  | 6.3  | 70  |
| 123 | Pyramidal neurons derived from human pluripotent stem cells integrate efficiently into mouse brain circuits in vivo. <i>Neuron</i> , <b>2013</b> , 77, 440-56  | 13.9 | 364 |
| 122 | Neuronal Nogo-A negatively regulates dendritic morphology and synaptic transmission in the cerebellum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 1083-8                            | 11.5 | 71  |
| 121 | Neurons and cardiomyocytes derived from induced pluripotent stem cells as a model for mitochondrial defects in Friedreich's ataxia. <i>DMM Disease Models and Mechanisms</i> , <b>2013</b> , 6, 608-21   | 4.1  | 111 |
| 120 | FACS array profiling identifies Ecto-5'Nucleotidase as a striatopallidal neuron-specific gene involved in striatal-dependent learning. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 8794-809   | 6.6  | 34  |
| 119 | Parvalbumin tunes spike-timing and efferent short-term plasticity in striatal fast spiking interneurons. <i>Journal of Physiology</i> , <b>2013</b> , 591, 3215-32   | 3.9  | 53  |
| 118 | Projections of nucleus accumbens adenosine A2A receptor neurons in the mouse brain and their implications in mediating sleep-wake regulation. <i>Frontiers in Neuroanatomy</i> , <b>2013</b> , 7, 43   | 3.6  | 34  |
| 117 | Deux dñennies de recherche en neuroscience : avancēs et perspectives. <i>Cahiers De Psychologie Clinique</i> , <b>2013</b> , n° 40, 71-87  | 0.1  |     |
| 116 | Developmental defects and rescue from glucose intolerance of a catalytically-inactive novel Ship2 mutant mouse. <i>Cellular Signalling</i> , <b>2012</b> , 24, 1971-80   | 4.9  | 22  |
| 115 | Control of neuronal excitability by calcium binding proteins: a new mathematical model for striatal fast-spiking interneurons. <i>Frontiers in Molecular Neuroscience</i> , <b>2012</b> , 5, 78  | 6.1  | 13  |
| 114 | Differential regulation of motor control and response to dopaminergic drugs by D1R and D2R neurons in distinct dorsal striatum subregions. <i>EMBO Journal</i> , <b>2012</b> , 31, 640-53  | 13   | 138 |
| 113 | Targeting neuronal populations of the striatum. <i>Frontiers in Neuroanatomy</i> , <b>2011</b> , 5, 40   | 3.6  | 51  |

|     |  |      |     |
|-----|--|------|-----|
| 112 | Unraveling the differential functions and regulation of striatal neuron sub-populations in motor control, reward, and motivational processes. <i>Frontiers in Behavioral Neuroscience</i> , <b>2011</b> , 5, 47          | 3.5  | 25  |
| 111 | Distribution of SV2C mRNA and protein expression in the mouse brain with a particular emphasis on the basal ganglia system. <i>Brain Research</i> , <b>2011</b> , 1367, 130-45   | 3.7  | 36  |
| 110 | Progressive myoclonic epilepsy-associated gene KCTD7 is a regulator of potassium conductance in neurons. <i>Molecular Neurobiology</i> , <b>2011</b> , 44, 111-21  | 6.2  | 47  |
| 109 | Aminopyridines correct early dysfunction and delay neurodegeneration in a mouse model of spinocerebellar ataxia type 1. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 11795-807                                     | 6.6  | 104 |
| 108 | Matrix-binding vascular endothelial growth factor (VEGF) isoforms guide granule cell migration in the cerebellum via VEGF receptor Flk1. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 15052-66                     | 6.6  | 68  |
| 107 | Maturation of "neocortex isole" in vivo in mice. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 7928-39  | 6.6  | 34  |
| 106 | Homeostatic plasticity of striatal neurons intrinsic excitability following dopamine depletion. <i>PLoS ONE</i> , <b>2009</b> , 4, e6908   | 3.7  | 57  |
| 105 | Grafting neural precursor cells promotes functional recovery in an SCA1 mouse model. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 13126-35   | 6.6  | 62  |
| 104 | Dopamine D2 and adenosine A2A receptors regulate NMDA-mediated excitation in accumbens neurons through A2A-D2 receptor heteromerization. <i>Neuropsychopharmacology</i> , <b>2009</b> , 34, 972-86                       | 8.7  | 145 |
| 103 | INPP5E mutations cause primary cilium signaling defects, ciliary instability and ciliopathies in human and mouse. <i>Nature Genetics</i> , <b>2009</b> , 41, 1027-31   | 36.3 | 257 |
| 102 | D2R striatopallidal neurons inhibit both locomotor and drug reward processes. <i>Nature Neuroscience</i> , <b>2009</b> , 12, 393-5   | 25.5 | 209 |
| 101 | An intrinsic mechanism of corticogenesis from embryonic stem cells. <i>Nature</i> , <b>2008</b> , 455, 351-7   | 50.4 | 481 |
| 100 | Stem cell factor and mesenchymal and neural stem cell transplantation in a rat model of Huntington's disease. <i>Molecular and Cellular Neurosciences</i> , <b>2008</b> , 37, 454-70                                     | 4.8  | 66  |
| 99  | Altered neuron excitability and synaptic plasticity in the cerebellar granular layer of juvenile prion protein knock-out mice with impaired motor control. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 7091-103   | 6.6  | 64  |
| 98  | An update on adenosine A2A-dopamine D2 receptor interactions: implications for the function of G protein-coupled receptors. <i>Current Pharmaceutical Design</i> , <b>2008</b> , 14, 1468-74                             | 3.3  | 203 |
| 97  | Expression of adenosine A2A receptors in the rat lumbar spinal cord and implications in the modulation of N-methyl-d-aspartate receptor currents. <i>Anesthesia and Analgesia</i> , <b>2008</b> , 106, 1882-9            | 3.9  | 15  |
| 96  | Expression of Cre recombinase in dopaminergic neurons. <i>BMC Neuroscience</i> , <b>2007</b> , 8, 4  | 3.2  | 58  |
| 95  | Purkinje cell dysfunction and alteration of long-term synaptic plasticity in fetal alcohol syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 9858-63 | 11.5 | 82  |

|    |   |      |    |
|----|---|------|----|
| 94 | Working memory deficits in transgenic rats overexpressing human adenosine A2A receptors in the brain. <i>Neurobiology of Learning and Memory</i> , <b>2007</b> , 87, 42-56  | 3.1  | 94 |
| 93 | Modulation of neuronal excitability by intracellular calcium buffering: from spiking to bursting. <i>Cell Calcium</i> , <b>2006</b> , 39, 455-66  | 4    | 40 |
| 92 | Targeted calretinin expression in granule cells of calretinin-null mice restores normal cerebellar functions. <i>FASEB Journal</i> , <b>2006</b> , 20, 380-2  | 0.9  | 46 |
| 91 | Unilateral induction of progenitors in the spinal cord of hSOD1(G93A) transgenic rats correlates with an asymmetrical hind limb paralysis. <i>Neuroscience Letters</i> , <b>2006</b> , 401, 25-9                  | 3.3  | 12 |
| 90 | Inhibition of constitutive inward rectifier currents in cerebellar granule cells by pharmacological and synaptic activation of GABA receptors. <i>European Journal of Neuroscience</i> , <b>2006</b> , 24, 419-32 | 3.5  | 38 |
| 89 | Minocycline in phenotypic models of Huntington's disease. <i>Neurobiology of Disease</i> , <b>2005</b> , 18, 206-17   | 7.5  | 50 |
| 88 | Neuroprotective effect of zVAD against the neurotoxin 3-nitropropionic acid involves inhibition of calpain. <i>Neuropharmacology</i> , <b>2005</b> , 49, 695-702  | 5.5  | 35 |
| 87 | Effects of remifentanyl on N-methyl-D-aspartate receptor: an electrophysiologic study in rat spinal cord. <i>Anesthesiology</i> , <b>2005</b> , 102, 1235-41  | 4.3  | 51 |
| 86 | Mono- and dual-frequency fast cerebellar oscillation in mice lacking parvalbumin and/or calbindin D-28k. <i>European Journal of Neuroscience</i> , <b>2005</b> , 22, 861-70                                       | 3.5  | 48 |
| 85 | The prolactin-releasing peptide antagonizes the opioid system through its receptor GPR10. <i>Nature Neuroscience</i> , <b>2005</b> , 8, 1735-41   | 25.5 | 43 |
| 84 | Age dependence of strain determinant on mice motor coordination. <i>Brain Research</i> , <b>2005</b> , 1039, 37-42  | 3.7  | 22 |
| 83 | Effect of chronic ethanol ingestion on Purkinje and Golgi cell firing in vivo and on motor coordination in mice. <i>Brain Research</i> , <b>2005</b> , 1055, 171-9  | 3.7  | 27 |
| 82 | Activation of protein kinase C and inositol 1,4,5-triphosphate receptors antagonistically modulate voltage-gated sodium channels in striatal neurons. <i>Brain Research</i> , <b>2005</b> , 1059, 189-96          | 3.7  | 11 |
| 81 | Role of calcium binding proteins in the control of cerebellar granule cell neuronal excitability: experimental and modeling studies. <i>Progress in Brain Research</i> , <b>2005</b> , 148, 321-8                 | 2.9  | 26 |
| 80 | Fast oscillation in the cerebellar cortex of calcium binding protein-deficient mice: a new sensorimotor arrest rhythm. <i>Progress in Brain Research</i> , <b>2005</b> , 148, 165-80                              | 2.9  | 11 |
| 79 | The Controversial Role of Adenosine A2A Receptor Antagonists as Neuro-protective Agents. <i>Current Medicinal Chemistry - Central Nervous System Agents</i> , <b>2004</b> , 4, 35-45                              |      | 5  |
| 78 | Inactivation of calcium-binding protein genes induces 160 Hz oscillations in the cerebellar cortex of alert mice. <i>Journal of Neuroscience</i> , <b>2004</b> , 24, 434-41                                       | 6.6  | 77 |
| 77 | Dopamine D3 receptor stimulation promotes the proliferation of cells derived from the post-natal subventricular zone. <i>Journal of Neurochemistry</i> , <b>2004</b> , 91, 1292-301                               | 6    | 77 |

|    |  |      |     |
|----|--|------|-----|
| 76 | Tricyclic antidepressant imipramine reduces the insulin secretory rate in islet cells of Wistar albino rats through a calcium antagonistic action. <i>Diabetologia</i> , <b>2004</b> , 47, 909-16  | 10.3 | 20  |
| 75 | Death of cortical and striatal neurons induced by mitochondrial defect involves differential molecular mechanisms. <i>Neurobiology of Disease</i> , <b>2004</b> , 15, 152-9  | 7.5  | 49  |
| 74 | Chronic intoxication with 3-nitropropionic acid in rats induces the loss of striatal dopamine terminals without affecting nigral cell viability. <i>Neuroscience Letters</i> , <b>2004</b> , 354, 234-8  | 3.3  | 11  |
| 73 | The Ets transcription factor Fev is specifically expressed in the human central serotonergic neurons. <i>Neuroscience Letters</i> , <b>2004</b> , 357, 215-8   | 3.3  | 24  |
| 72 | Effect of simple spike firing mode on complex spike firing rate and waveform in cerebellar Purkinje cells in non-anesthetized mice. <i>Neuroscience Letters</i> , <b>2004</b> , 367, 171-6   | 3.3  | 20  |
| 71 | Increased Alix (apoptosis-linked gene-2 interacting protein X) immunoreactivity in the degenerating striatum of rats chronically treated by 3-nitropropionic acid. <i>Neuroscience Letters</i> , <b>2004</b> , 368, 309-13   | 3.3  | 20  |
| 70 | Altered neuronal excitability in cerebellar granule cells of mice lacking calretinin. <i>Journal of Neuroscience</i> , <b>2003</b> , 23, 9320-7  | 6.6  | 106 |
| 69 | A dual role of adenosine A2A receptors in 3-nitropropionic acid-induced striatal lesions: implications for the neuroprotective potential of A2A antagonists. <i>Journal of Neuroscience</i> , <b>2003</b> , 23, 5361-9   | 6.6  | 105 |
| 68 | Glial cells, but not interstitial cells, express P2X7, an ionotropic purinergic receptor, in rat gastrointestinal musculature. <i>Cell and Tissue Research</i> , <b>2003</b> , 312, 149-54   | 4.2  | 55  |
| 67 | Adenosine receptors and Huntington's disease: implications for pathogenesis and therapeutics. <i>Lancet Neurology</i> , <b>2003</b> , 2, 366-74  | 24.1 | 113 |
| 66 | Bidirectional synaptic plasticity as a consequence of interdependent Ca <sup>2+</sup> -controlled phosphorylation and dephosphorylation pathways. <i>European Journal of Neuroscience</i> , <b>2003</b> , 17, 2521-8   | 3.5  | 52  |
| 65 | 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. <i>Journal of Neuroscience</i> , <b>2002</b> , 22, 9122-33 | 6.6  | 68  |
| 64 | Distribution of the intermediate filament nestin in the muscularis propria of the human gastrointestinal tract. <i>Cell and Tissue Research</i> , <b>2002</b> , 309, 261-8   | 4.2  | 41  |
| 63 | Kit-negative fibroblast-like cells expressing SK3, a Ca <sup>2+</sup> -activated K <sup>+</sup> channel, in the gut musculature in health and disease. <i>Cell and Tissue Research</i> , <b>2002</b> , 310, 349-58   | 4.2  | 73  |
| 62 | New functions for old proteins: the role of the calcium-binding proteins calbindin D-28k, calretinin and parvalbumin, in cerebellar physiology. Studies with knockout mice. <i>Cerebellum</i> , <b>2002</b> , 1, 241-58  | 4.3  | 297 |
| 61 | Striatal and cortical neurochemical changes induced by chronic metabolic compromise in the 3-nitropropionic model of Huntington's disease. <i>Neurobiology of Disease</i> , <b>2002</b> , 10, 410-26   | 7.5  | 45  |
| 60 | Topological analysis of striatal lesions induced by 3-nitropropionic acid in the Lewis rat. <i>NeuroReport</i> , <b>2001</b> , 12, 1769-72   | 1.7  | 44  |
| 59 | Interstitial cells of Cajal in the striated musculature of the mouse esophagus. <i>Cell and Tissue Research</i> , <b>2001</b> , 306, 1-14  | 4.2  | 29  |

|    |  |      |      |
|----|--|------|------|
| 58 | Comparative study of hippocampal neuronal loss and in vivo binding of 5-HT1a receptors in the KA model of limbic epilepsy in the rat. <i>Epilepsy Research</i> , <b>2001</b> , 47, 127-39  | 3    | 20   |
| 57 | Functional striatal hypodopaminergic activity in mice lacking adenosine A(2A) receptors. <i>Journal of Neurochemistry</i> , <b>2001</b> , 78, 183-98   | 6    | 59   |
| 56 | Acute and chronic caffeine administration differentially alters striatal gene expression in wild-type and adenosine A(2A) receptor-deficient mice. <i>Synapse</i> , <b>2001</b> , 42, 63-76  | 2.4  | 22   |
| 55 | The metastasis suppressor gene KiSS-1 encodes kisspeptins, the natural ligands of the orphan G protein-coupled receptor GPR54. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 34631-6                                       | 5.4  | 1059 |
| 54 | 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. <i>Neuroscience</i> , <b>2001</b> , 105, 1019-30                        | 3.9  | 22   |
| 53 | Inactivation of adenosine A2A receptor impairs long term potentiation in the accumbens nucleus without altering basal synaptic transmission. <i>Neuroscience</i> , <b>2001</b> , 107, 455-64   | 3.9  | 94   |
| 52 | Le cerveau en constante reconstruction : le concept de plasticité cérébrale. <i>Cahiers De Psychologie Clinique</i> , <b>2001</b> , 16, 11   | 0.1  | 5    |
| 51 | Blockade of A1 receptors by caffeine induces c-fos, zif-268 and ARC expression in the striatum through different interactions with the dopamine system. <i>Advances in Experimental Medicine and Biology</i> , <b>2000</b> , 486, 207-16 | 3.6  | 2    |
| 50 | CD34 immunoreactivity and interstitial cells of Cajal in the human and mouse gastrointestinal tract. <i>Cell and Tissue Research</i> , <b>2000</b> , 302, 145-53   | 4.2  | 64   |
| 49 | Distribution and ultrastructure of interstitial cells of Cajal in the mouse colon, using antibodies to Kit and Kit(W-lacZ) mice. <i>Cell and Tissue Research</i> , <b>2000</b> , 302, 155-70   | 4.2  | 50   |
| 48 | Electrophysiological behavior of Purkinje cells and motor coordination in calretinin knock-out mice. <i>Progress in Brain Research</i> , <b>2000</b> , 124, 299-308  | 2.9  | 12   |
| 47 | Impaired motor coordination and Purkinje cell excitability in mice lacking calretinin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1999</b> , 96, 5257-62                                | 11.5 | 143  |
| 46 | Caffeine-mediated induction of c-fos, zif-268 and arc expression through A1 receptors in the striatum: different interactions with the dopaminergic system. <i>European Journal of Neuroscience</i> , <b>1999</b> , 11, 3101-14          | 3.5  | 35   |
| 45 | Distribution of the nociceptin and nocistatin precursor transcript in the mouse central nervous system. <i>Neuroscience</i> , <b>1999</b> , 91, 991-1007   | 3.9  | 61   |
| 44 | Calretinin expression as a critical component in the control of dentate gyrus long-term potentiation induction in mice. <i>European Journal of Neuroscience</i> , <b>1998</b> , 10, 3029-33  | 3.5  | 28   |
| 43 | Autoradiographic visualization of the receptor subclasses for vasoactive intestinal polypeptide (VIP) in rat brain. <i>Annals of the New York Academy of Sciences</i> , <b>1998</b> , 865, 412-5   | 6.5  | 19   |
| 42 | Calcium binding protein calcyphosine in dog central astrocytes and ependymal cells and in peripheral neurons. <i>Journal of Chemical Neuroanatomy</i> , <b>1998</b> , 15, 239-50   | 3.2  | 8    |
| 41 | Autoradiographic visualization of the receptor subclasses for vasoactive intestinal polypeptide (VIP) in rat brain. <i>Peptides</i> , <b>1997</b> , 18, 1547-54  | 3.8  | 81   |

|    |   |      |     |
|----|---|------|-----|
| 40 | Impaired long-term potentiation induction in dentate gyrus of calretinin-deficient mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1997</b> , 94, 10415-20                | 11.5 | 123 |
| 39 | Reelin mRNA expression during mouse brain development. <i>European Journal of Neuroscience</i> , <b>1997</b> , 9, 1055-71   | 3.5  | 193 |
| 38 | Aggressiveness, hypoalgesia and high blood pressure in mice lacking the adenosine A2a receptor. <i>Nature</i> , <b>1997</b> , 388, 674-8  | 50.4 | 772 |
| 37 | Post-translational modification of human brain type I inositol-1,4,5-trisphosphate 5-phosphatase by farnesylation. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 10419-24                                     | 5.4  | 68  |
| 36 | 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. <i>European Journal of Neuroscience</i> , <b>1995</b> , 7, 1292-6                        | 3.5  | 26  |
| 35 | Homolateral cerebrocortical changes in neuropeptide and receptor expression after minimal cortical infarction. <i>Neuroscience</i> , <b>1995</b> , 69, 847-58   | 3.9  | 11  |
| 34 | In Situ Hybridization of Adenosine Receptors in Brain <b>1995</b> , 21-26   |      |     |
| 33 | Adenosine A2 Receptor Regulation of Striatal Gene Expression <b>1995</b> , 71-76  |      | 4   |
| 32 | Homolateral cerebrocortical increase of immediate early gene and neurotransmitter messenger RNAs after minimal cortical lesion: blockade by N-methyl-D-aspartate antagonist. <i>Neuroscience</i> , <b>1994</b> , 59, 827-36 | 3.9  | 37  |
| 31 | Age-related loss of mRNA encoding adenosine A2 receptor in the rat striatum. <i>Neuroscience Letters</i> , <b>1993</b> , 158, 121-4   | 3.3  | 30  |
| 30 | Caffeine regulates neurotensin and cholecystokinin messenger RNA expression in the rat striatum. <i>Neuroscience</i> , <b>1993</b> , 54, 681-9  | 3.9  | 12  |
| 29 | Nitric oxide synthase distribution in the enteric nervous system of Hirschsprung's disease. <i>Gastroenterology</i> , <b>1993</b> , 105, 969-73   | 13.3 | 115 |
| 28 | Adenosine A2a receptor expression in striatal neurons: Implications for basal ganglia pathophysiology. <i>Drug Development Research</i> , <b>1993</b> , 28, 381-385   | 5.1  | 14  |
| 27 | Lesion of the nigrostriatal pathway induces cholecystokinin messenger RNA expression in the rat striatum. An in situ hybridization histochemistry study. <i>Neuroscience</i> , <b>1992</b> , 50, 551-7                      | 3.9  | 18  |
| 26 | Ontogeny of cholecystokinin receptors in the human striatum. <i>Neuroscience Letters</i> , <b>1992</b> , 141, 39-42   | 3.3  | 3   |
| 25 | Nitric oxide synthase activity in infantile hypertrophic pyloric stenosis. <i>New England Journal of Medicine</i> , <b>1992</b> , 327, 511-5  | 59.2 | 292 |
| 24 | Coactivation of dopamine D1 and D2 receptors increases the affinity of cholecystokinin-8 receptors in membranes from post-mortem human caudate-putamen. <i>Brain Research</i> , <b>1992</b> , 584, 157-62                   | 3.7  | 3   |
| 23 | Cellular distribution of the new growth factor pleiotrophin (HB-GAM) mRNA in developing and adult rat tissues. <i>Anatomy and Embryology</i> , <b>1992</b> , 186, 387-406   |      | 93  |



|    |  |      |     |
|----|--|------|-----|
| 22 | Expression of mRNA of parathyroid hormone-related peptide in fetal bones of the rat. <i>Cell and Tissue Research</i> , <b>1992</b> , 270, 597-600  | 4.2  | 34  |
| 21 | Ontogeny of gene expression of adenosine A2 receptor in the striatum: early localization in the patch compartment. <i>Journal of Comparative Neurology</i> , <b>1992</b> , 317, 117-28                                 | 3.4  | 27  |
| 20 | Striatal restricted adenosine A2 receptor (RDC8) is expressed by enkephalin but not by substance P neurons: an in situ hybridization histochemistry study. <i>Journal of Neurochemistry</i> , <b>1991</b> , 57, 1062-7 | 6    | 467 |
| 19 | Distribution of cells containing mRNA encoding cholecystokinin in the rat central nervous system. <i>Journal of Comparative Neurology</i> , <b>1991</b> , 304, 219-33  | 3.4  | 131 |
| 18 | Cholecystokinin mRNA detection in rat spinal cord motoneurons but not in dorsal root ganglia neurons. <i>Neuroscience Letters</i> , <b>1991</b> , 123, 123-6   | 3.3  | 26  |
| 17 | Distribution of adenosine A2 receptor mRNA in the human brain. <i>Neuroscience Letters</i> , <b>1991</b> , 130, 177-81   | 3.3  | 158 |
| 16 | Immunocytochemical detection of GABAergic nerve cells in the human striatum and cerebellum using a gamma-aminobutyric acid antiserum. <i>Neurochemistry International</i> , <b>1990</b> , 17, 101-6                    | 4.4  | 4   |
| 15 | A cloned G protein-coupled protein with a distribution restricted to striatal medium-sized neurons. Possible relationship with D1 dopamine receptor. <i>Brain Research</i> , <b>1990</b> , 519, 333-7                  | 3.7  | 75  |
| 14 | RDC8 codes for an adenosine A2 receptor with physiological constitutive activity. <i>Biochemical and Biophysical Research Communications</i> , <b>1990</b> , 173, 1169-78  | 3.4  | 248 |
| 13 | Cholecystokinin distribution in the human striatum and related subcortical structures. <i>Neurochemistry International</i> , <b>1989</b> , 14, 167-73  | 4.4  | 8   |
| 12 | Transient neurotensin in the cat inferior olive during development. <i>Neurochemistry International</i> , <b>1989</b> , 14, 159-61   | 4.4  | 2   |
| 11 | High concentration of somatostatin-14 neurones in the infant human hippocampus. <i>Neurochemistry International</i> , <b>1989</b> , 14, 153-8  | 4.4  | 4   |
| 10 | Neuropeptide Y-containing neurons in the human infant hippocampus. <i>Brain Research</i> , <b>1989</b> , 478, 211-26   | 3.7  | 24  |
| 9  | Increase of substance P and met-enkephalin in a severely atrophied striatum without clinical expression of chorea. <i>Neurochemistry International</i> , <b>1989</b> , 14, 175-83                                      | 4.4  | 7   |
| 8  | Neurotensin containing neurones in the human hippocampus of the adult and during development. <i>Neurochemistry International</i> , <b>1989</b> , 14, 143-51   | 4.4  | 7   |
| 7  | Neuropeptide Y, somatostatin, and cholecystokinin neurone preservation in anaplastic astrocytomas. <i>Acta Neuropathologica</i> , <b>1988</b> , 76, 507-10   | 14.3 | 5   |
| 6  | Study of neuropeptide Y-containing nerve fibers in the human penis. <i>Cell and Tissue Research</i> , <b>1988</b> , 254, 69-74   | 4.2  | 26  |
| 5  | Immunocytochemical detection of GABAergic nerve cells in the human temporal cortex using a direct gamma-aminobutyric acid antiserum. <i>Brain Research</i> , <b>1988</b> , 442, 270-8                                  | 3.7  | 39  |

|   |   |     |    |
|---|---|-----|----|
| 4 | Distribution of neuropeptide Y immunoreactivity in human visual cortex and underlying white matter. <i>Peptides</i> , <b>1987</b> , 8, 1107-17  | 3.8 | 19 |
| 3 | Co-existence of cholecystokinin- or gastrin-like peptides with other peptides in the hypophysis and the hypothalamus. <i>Annals of the New York Academy of Sciences</i> , <b>1985</b> , 448, 334-44 | 6.5 | 16 |
| 2 | Changes in neurohypophysial cholecystokinin content during oestrous cycle in the rat. <i>Neurochemistry International</i> , <b>1984</b> , 6, 779-82   | 4.4 | 11 |
| 1 | Induced pluripotent stem cell-derived primary proprioceptive neurons as Friedreich ataxia cell model  |     | 1  |