# Gordon W Arbuthnott

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 150 papers | 10,415 citations | 50244 46 h-index | 33869 99 g-index |
| 157 all docs | 157 docs citations | 157 times ranked | 6415 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Quantitative recording of rotational behavior in rats after 6-hydroxy-dopamine lesions of the nigrostriatal dopamine system. Brain Research, 1970, 24, 485-493. | 1.1 | 1,919 |
| 2 | Selective elimination of glutamatergic synapses on striatopallidal neurons in Parkinson disease models. Nature Neuroscience, 2006, 9, 251-259. | 7.1 | 678 |
| 3 | Crossed connections of the substantia nigra in the rat. Journal of Comparative Neurology, 1982, 207, 283-303. | 0.9 | 415 |
| 4 | Dopamine reverses the depression of rat corticostriatal synapses which normally follows high-frequency stimulation of cortex In vitro. Neuroscience, 1996, 70, 1-5. | 1.1 | 292 |
| 5 | Amphetamine-Induced Dopamine Release in the Rat Striatum: An In Vivo Microdialysis Study. Journal of Neurochemistry, 1988, 50, 346-355. | 2.1 | 288 |
| 6 | Pathologic gambling in Parkinson's disease: A behavioral manifestation of pharmacologic treatment?. Movement Disorders, 2000, 15, 869-872. | 2.2 | 284 |
| 7 | Space, time and dopamine. Trends in Neurosciences, 2007, 30, 62-69. | 4.2 | 273 |
| 8 | Plasticity of Synapses in the Rat Neostriatum after Unilateral Lesion of the Nigrostriatal Dopaminergic Pathway. Journal of Neuroscience, 1998, 18, 4732-4743. | 1.7 | 272 |
| 9 | Therapeutic Deep Brain Stimulation in Parkinsonian Rats Directly Influences Motor Cortex. Neuron, 2012, 76, 1030-1041. | 3.8 | 267 |
| 10 | Resonant Antidromic Cortical Circuit Activation as a Consequence of High-Frequency Subthalamic Deep-Brain Stimulation. Journal of Neurophysiology, 2007, 98, 3525-3537. | 0.9 | 251 |
| 11 | Evidence of a breakdown of corticostriatal connections in Parkinsonâ€™s disease. Neuroscience, 2005, 132, 741-754. | 1.1 | 241 |
| 12 | Intracranial self-stimulation with electrodes in the region of the locus coeruleus. Brain Research, 1972, 36, 275-287. | 1.1 | 213 |
| 13 | Spine density on neostriatal neurones changes with 6-hydroxydopamine lesions and with age. Brain Research, 1989, 503, 334-338. | 1.1 | 204 |
| 14 | Electrophysiological properties of single units in dopamine-rich mesencephalic transplants in rat brain. Neuroscience Letters, 1985, 57, 205-210. | 1.0 | 175 |
| 15 | Feedback loop or output pathway in striato-nigral fibres?. Nature, 1977, 265, 363-365. | 13.7 | 161 |
| 16 | Graft-derived recovery from 6-OHDA lesions: specificity of ventral mesencephalic graft tissues. Experimental Brain Research, 1988, 71, 411-24. | 0.7 | 153 |
| 17 | Dopamine and synaptic plasticity in the neostriatum. Journal of Anatomy, 2000, 196, 587-596. | 0.9 | 150 |
| 18 | The Basic Domain of the Lentiviral Tat Protein Is Responsible for Damages in Mouse Brain: Involvement of Cytokines. Virology, 1994, 205, 519-529. | 1.1 | 144 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Effects of Selective Monoamine Oxidase Inhibitors on the In Vivo Release and Metabolism of Dopamine in the Rat Striatum. Journal of Neurochemistry, 1990, 55, 981-988. | 2.1 | 137 |
| 20 | Striatal Contributions to Reward and Decision Making: Making Sense of Regional Variations in a Reiterated Processing Matrix. Annals of the New York Academy of Sciences, 2007, 1104, 192-212. | 1.8 | 134 |
| 21 | Morphological changes in the rat neostriatum after unilateral 6-hydroxydopamine injections into the nigrostriatal pathway. Experimental Brain Research, 1993, 93, 17-27. | 0.7 | 133 |
| 22 | The electrophysiology of dopamine (D2) receptors: A study of the actions of dopamine on corticostriatal transmission. Neuroscience, 1983, 10, 349-355. | 1.1 | 130 |
| 23 | Depletion of catecholaminesin vivo induced by electrical stimulation of central monoamine pathways. Brain Research, 1970, 24, 471-483. | 1.1 | 123 |
| 24 | Relation of contraversive turning to unilateral release of dopamine from the nigrostriatal pathway in rats. Experimental Neurology, 1971, 30, 484-491. | 2.0 | 114 |
| 25 | Neurotoxicity of peptide analogues of the transactivating protein tat from maedi-visna virus and human immunodeficiency virus. Neuroscience, 1993, 53, 1-6. | 1.1 | 112 |
| 26 | Interactions between serotonergic and dopaminergic systems in rat brain demonstrated by small unilateral lesions of the raphe nuclei. European Journal of Pharmacology, 1979, 57, 295-305. | 1.7 | 95 |
| 27 | Central catecholamine turnover and self-stimulation behaviour. Brain Research, 1971, 27, 406-413. | 1.1 | 92 |
| 28 | Cortical Effects of Subthalamic Stimulation Correlate with Behavioral Recovery from Dopamine Antagonist Induced Akinesia. Cerebral Cortex, 2009, 19, 1055-1063. | 1.6 | 91 |
| 29 | Inhibition of Neuronal Nitric Oxide Synthase by 7-Nitroindazole: Effects upon Local Cerebral Blood Flow and Glucose Use in the Rat. Journal of Cerebral Blood Flow and Metabolism, 1995, 15, 766-773. | 2.4 | 89 |
| 30 | Cholinergic modulation of striatal microcircuits. European Journal of Neuroscience, 2019, 49, 604-622. | 1.2 | 87 |
| 31 | Electrophysiological demonstration of host cortical inputs to striatal grafts. Neuroscience Letters, 1987, 83, 275-281. | 1.0 | 83 |
| 32 | Dopamine release and metabolism in the rat striatum: An analysis by â€˜in vivoâ€™ brain microdialysis. , 1990, 48, 281-293. | | 79 |
| 33 | In Vivo Mechanisms Underlying Dopamine Release from Rat Nigrostriatal Terminals: II. Studies Using Potassium and Tyramine. Journal of Neurochemistry, 1990, 54, 1844-1851. | 2.1 | 77 |
| 34 | Double anterograde tracing of outputs from adjacent â€œbarrel columnsâ€•of rat somatosensory cortex. Neostriatal projection patterns and terminal ultrastructure. Neuroscience, 1999, 88, 119-133. | 1.1 | 76 |
| 35 | Electrophysiological properties of nigrothalamic neurons after 6-hydroxydopamine lesions in the rat. Neuroscience, 1990, 38, 447-456. | 1.1 | 69 |
| 36 | Neurone specific regulation of dendritic spines in vivo by post synaptic density 95 protein (PSD-95). Brain Research, 2006, 1090, 89-98. | 1.1 | 66 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Turning behavior induced by electrical stimulation of the nigro-neostriatal system of the rat. Experimental Neurology, 1975, 47, 162-172. | 2.0 | 63 |
| 38 | Distribution and synaptic contacts of the cortical terminals arising from neurons in the rat ventromedial thalamic nucleus. Neuroscience, 1990, 38, 47-60. | 1.1 | 63 |
| 39 | Altered paw preference after unilateral 6-hydroxy-dopamine injections into lateral hypothalamus. Neuropsychologia, 1981, 19, 463-467. | 0.7 | 58 |
| 40 | Computational models of the basal ganglia. Movement Disorders, 2000, 15, 762-770. | 2.2 | 58 |
| 41 | Cortical Effects of Deep Brain Stimulation. JAMA Neurology, 2014, 71, 100. | 4.5 | 56 |
| 42 | Delayed synaptic degeneration in the CNS of Wlds mice after cortical lesion. Brain, 2006, 129, 1546-1556. | 3.7 | 55 |
| 43 | The pattern of innervation of the corpus striatum by the substantia nigra. Neuroscience, 1981, 6, 2063-2067. | 1.1 | 54 |
| 44 | A light and electron microscopical study of enkephalin-immunoreactive structures in the rat neostriatum after removal of the nigrostriatal dopaminergic pathway. Neuroscience, 1991, 42, 715-730. | 1.1 | 54 |
| 45 | Function of Catecholamine-containing Neurones in Mammalian Central Nervous System. Nature: New Biology, 1972, 238, 245-246. | 4.5 | 52 |
| 46 | Identification of the source of the bilateral projection system from cortex to somatosensory neostriatum and an exploration of its physiological actions. Neuroscience, 2001, 103, 87-96. | 1.1 | 50 |
| 47 | Simulation of GABA function in the basal ganglia: computational models of GABAergic mechanisms in basal ganglia function. Progress in Brain Research, 2007, 160, 313-329. | 0.9 | 50 |
| 48 | Refinement of learned skilled movement representation in motor cortex deep output layer. Nature Communications, 2017, 8, 15834. | 5.8 | 50 |
| 49 | An afterhyperpolarization recorded in striatal cells ?in vitro?: effect of dopamine administration. Experimental Brain Research, 1988, 71, 399-405. | 0.7 | 45 |
| 50 | In Vivo Mechanisms Underlying Dopamine Release from Rat Nigrostriatal Terminals: I. Studies Using Veratrine and Ouabain. Journal of Neurochemistry, 1990, 54, 1834-1843. | 2.1 | 45 |
| 51 | Dendritic domains of medium spiny neurons in the primate striatum: Relationships to striosomal borders. Journal of Comparative Neurology, 1993, 337, 614-628. | 0.9 | 44 |
| 52 | Cerebrovascular autoregulation in response to hypertension induced by NG-nitro-l-arginine methyl ester. Neuroscience, 1994, 59, 13-20. | 1.1 | 44 |
| 53 | The effect of chronic lithium administration on dopamine metabolism in rat striatum. Psychopharmacology, 1978, 56, 163-166. | 1.5 | 40 |
| 54 | Distribution of thyrotrophin-releasing hormone receptor messenger RNA in rat pituitary and brain. Neuroscience, 1993, 53, 877-887. | 1.1 | 39 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Selective loss of AMPA receptors at corticothalamic synapses in the epileptic stargazer mouse. Neuroscience, 2012, 217, 19-31. | 1.1 | 39 |
| 56 | The rotational model and microdialysis: Significance for dopamine signalling, clinical studies, and beyond. Progress in Neurobiology, 2010, 90, 176-189. | 2.8 | 37 |
| 57 | Non-dopamine containing efferents of substantia nigra: The pathway to the lower brain stem. Journal of Neural Transmission, 1980, 47, 221-226. | 1.4 | 36 |
| 58 | Oestradiol-17Î² Increases the Firing Rate of Antidromically Identified Neurones of the Rat Neostriatum. Neuroendocrinology, 1983, 37, 106-110. | 1.2 | 36 |
| 59 | Ultrastructural characteristics of enkephalin-immunoreactive boutons and their postsynaptic targets in the shell and core of the nucleus accumbens of the rat. Journal of Comparative Neurology, 1993, 332, 224-236. | 0.9 | 36 |
| 60 | Power Fluctuations in Beta and Gamma Frequencies in Rat Globus Pallidus: Association with Specific Phases of Slow Oscillations and Differential Modulation by Dopamine D<sub>1</sub>and D<sub>2</sub>Receptors. Journal of Neuroscience, 2011, 31, 6098-6107. | 1.7 | 36 |
| 61 | The anatomical substrate of the turning behaviour seen after lesions in the nigrostriatal dopamine system. Neuroscience, 1983, 8, 87-95. | 1.1 | 34 |
| 62 | Electrophysiological and anatomical observations concerning the pallidostriatal pathway in the rat. Experimental Brain Research, 1989, 74, 303-10. | 0.7 | 33 |
| 63 | Glial fibrillary acidic protein (GFAP)-immunoreactive astrocytes are increased in the hypothalamus of androgen-insensitive testicular feminized (Tfm) mice. Neuroscience Letters, 1990, 118, 77-81. | 1.0 | 31 |
| 64 | Thalamic afferents to prefrontal cortices from ventral motor nuclei in decisionâ€making. European Journal of Neuroscience, 2019, 49, 646-657. | 1.2 | 31 |
| 65 | The striatonigral fibres and the feedback control of dopamine metabolism. Psychological Medicine, 1978, 8, 471-482. | 2.7 | 30 |
| 66 | Schneider's First-Rank Symptoms of Schizophrenia. Archives of General Psychiatry, 1984, 41, 1040. | 13.8 | 30 |
| 67 | Cell Assembly Signatures Defined by Short-Term Synaptic Plasticity in Cortical Networks. International Journal of Neural Systems, 2015, 25, 1550026. | 3.2 | 30 |
| 68 | Lesions of the locus ceruleus and noradrenaline metabolism in cerebral cortex. Experimental Neurology, 1973, 41, 411-417. | 2.0 | 29 |
| 69 | Cyclic nucleotide losses during tissue processing for immunohistochemistry.. Journal of Histochemistry and Cytochemistry, 1980, 28, 54-55. | 1.3 | 29 |
| 70 | Brain microdialysis studies on the control of dopamine release and metabolism in vivo. Journal of Neuroscience Methods, 1990, 34, 73-81. | 1.3 | 29 |
| 71 | Neurotoxic mechanisms of transactivating protein Tat of Maedi-Visna virus. Neuroscience Letters, 1995, 197, 215-218. | 1.0 | 28 |
| 72 | Plasticity of striatopallidal terminals following unilateral lesion of the dopaminergic nigrostriatal pathway: a morphological study. Experimental Brain Research, 1997, 116, 39-49. | 0.7 | 28 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | The neostriatum: two entities, one structure?. Brain Structure and Function, 2016, 221, 1737-1749. | 1.2 | 28 |
| 74 | THE RELATIONSHIP BETWEEN NORADRENALINE TURNOVER IN CEREBRAL CORTEX AND ELECTRICAL SELF-STIMULATION THROUGH ELECTRODES IN THE REGION OF LOCUS COERULEUS. Journal of Neurochemistry, 1975, 24, 677-681. | 2.1 | 25 |
| 75 | Separation of the motor consequences from other actions of unilateral 6-hydroxydopamine lesions in the nigrostriatal neurones of rat brain. Brain Research, 1985, 348, 220-228. | 1.1 | 25 |
| 76 | Chapter 21 The corticostriatal system on computer simulation: an intermediate mechanism for sequencing of actions. Progress in Brain Research, 1993, 99, 325-339. | 0.9 | 25 |
| 77 | Corticofugal axons from adjacent 'barrel' columns of rat somatosensory cortex: cortical and thalamic terminal patterns. Journal of Anatomy, 2000, 196, 379-390. | 0.9 | 25 |
| 78 | Actions of Adenosine A<sub>2A</sub> Receptors on Synaptic Connections of Spiny Projection Neurons in the Neostriatal Inhibitory Network. Journal of Neurophysiology, 2008, 99, 1884-1889. | 0.9 | 22 |
| 79 | Extrasynaptic glutamate NMDA receptors: Key players in striatal function. Neuropharmacology, 2015, 89, 54-63. | 2.0 | 22 |
| 80 | Synchronized activation of striatal direct and indirect pathways underlies the behavior in unilateral dopamineâ€depleted mice. European Journal of Neuroscience, 2019, 49, 1512-1528. | 1.2 | 20 |
| 81 | The effect of unilateral and bilateral lesions in the locus coeruleus on the levels of 3-methoxy-4-hydroxyphenylglycol (MHPG) in neocortex. Experientia, 1973, 29, 52-53. | 1.2 | 19 |
| 82 | Possible links between hypothalamus and substantia nigra in the rat. Appetite, 1980, 1, 43-51. | 1.8 | 19 |
| 83 | Death of dopaminergic neurones in the rat substantia nigra can be induced by damage to globus pallidus. European Journal of Neuroscience, 2004, 20, 1737-1744. | 1.2 | 19 |
| 84 | Effects of potassium channel blockers on synaptic plasticity in the corticostriatal pathway. Neuropharmacology, 1998, 37, 523-533. | 2.0 | 18 |
| 85 | Basal gangliaâ€”thalamus and the â€œcrowning enigmaâ€• Frontiers in Neural Circuits, 2015, 9, 71. | 1.4 | 18 |
| 86 | Serotonin hyperinnervation after foetal nigra or raphe transplantation in the neostriatum of adult rats. Neuroscience Letters, 1991, 128, 281-284. | 1.0 | 17 |
| 87 | Acute in vivo neurotoxicity of peptides from Maedi Visna virus transactivating protein Tat. Brain Research, 1999, 830, 285-291. | 1.1 | 17 |
| 88 | Functional Anatomy: Dynamic States in Basal Ganglia Circuits. Frontiers in Neuroanatomy, 2010, 4, 144. | 0.9 | 17 |
| 89 | Some non-fluorescent connections of the nigro-neostriatal dopamine neurones. Brain Research Bulletin, 1982, 9, 367-378. | 1.4 | 16 |
| 90 | The effect of DSP-4 on some positively reinforced operant behaviors in the rat. Pharmacology Biochemistry and Behavior, 1982, 16, 197-202. | 1.3 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Participation of projections from substantia nigra reticulata to the lower brain stem in turning behavior. Experimental Neurology, 1982, 78, 380-390. | 2.0 | 15 |
| 92 | Different patterns of molecular forms of somatostatin are released by the rat median eminence and hypothalamus. Neuroscience Letters, 1985, 57, 215-220. | 1.0 | 15 |
| 93 | Substance P release from rat nucleus accumbens and striatum: an in vivo study using antibody microprobes. Brain Research, 1993, 610, 234-241. | 1.1 | 15 |
| 94 | Striatal bilateral control of skilled forelimb movement. Cell Reports, 2021, 34, 108651. | 2.9 | 15 |
| 95 | Identified cholinergic neurones in the adult rat brain are enriched in GAP-43 mRNA: a double in situ hybridisation study. Journal of Chemical Neuroanatomy, 1995, 9, 17-26. | 1.0 | 14 |
| 96 | Development of dissociated cryopreserved rat cortical neurons in vitro. Journal of Neuroscience Methods, 2012, 205, 324-333. | 1.3 | 14 |
| 97 | Cerebellar sub-divisions differ in exercise-induced plasticity of noradrenergic axons and in their association with resilience to activity-based anorexia. Brain Structure and Function, 2017, 222, 317-339. | 1.2 | 14 |
| 98 | NORADRENALINE UPTAKE INTO CEREBAL CORTEX: A HISTOCHEMICAL STUDY. Journal of Neurochemistry, 1969, 16, 1599-1604. | 2.1 | 13 |
| 99 | Electrophysiological evidence for an input from the anterior olfactory nucleus to substantia nigra. Experimental Neurology, 1979, 66, 16-29. | 2.0 | 13 |
| 100 | Modulation by Dopamine of Rat Corticostriatal Input. Advances in Pharmacology, 1997, 42, 733-736. | 1.2 | 13 |
| 101 | Microglial activation is not prevented by tacrolimus but dopamine neuron damage is reduced in a rat model of Parkinson's disease progression. Brain Research, 2008, 1216, 78-86. | 1.1 | 12 |
| 102 | Striatal interneurons in dissociated cell culture. Histochemistry and Cell Biology, 2010, 134, 1-12. | 0.8 | 12 |
| 103 | Increases in dopamine metabolism are not a general feature of intracranial self-stimulation. Life Sciences, 1982, 30, 1081-1085. | 2.0 | 11 |
| 104 | The Corticostriatal System in Dissociated Cell Culture. Frontiers in Systems Neuroscience, 2011, 5, 52. | 1.2 | 11 |
| 105 | Presynaptic D1 heteroreceptors and mGlu autoreceptors act at individual cortical release sites to modify glutamate release. Brain Research, 2016, 1639, 74-87. | 1.1 | 11 |
| 106 | Immunohistochemical localization of a spectrin-like protein (fodrin) in nerve cells in culture. Neuroscience Letters, 1986, 63, 33-38. | 1.0 | 10 |
| 107 | The influence of the subthalamic nucleus upon the damage to the dopamine system following lesions of globus pallidus in rats. European Journal of Neuroscience, 2007, 26, 642-648. | 1.2 | 10 |
| 108 | Advances in Fibre Microendoscopy for Neuronal Imaging. Optical Data Processing and Storage, 2016, 2, . | 3.3 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Fiber-bundle-basis sparse reconstruction for high resolution wide-field microendoscopy. Biomedical Optics Express, 2018, 9, 1843. | 1.5 | 10 |
| 110 | Chapter 43 Identification of grafted neurons with fluorescent-labelled microbeads. Progress in Brain Research, 1990, 82, 385-390. | 0.9 | 9 |
| 111 | Gating of Cortical Input to the Striatum. Handbook of Behavioral Neuroscience, 2010, , 341-351. | 0.7 | 9 |
| 112 | Are the Symptoms of Parkinsonism Cortical in Origin?. Computational and Structural Biotechnology Journal, 2017, 15, 21-25. | 1.9 | 9 |
| 113 | Chapter 22 The thorny problem of what dopamine does in psychiatric disease. Progress in Brain Research, 1993, 99, 341-350. | 0.9 | 8 |
| 114 | Dopamine cells are neurones too!. Trends in Neurosciences, 1996, 19, 279. | 4.2 | 8 |
| 115 | Long-range monosynaptic inputs targeting apical and basal dendrites of primary motor cortex deep output neurons. Cerebral Cortex, 2022, 32, 3975-3989. | 1.6 | 8 |
| 116 | The use of ultra-violet setting glue for microelectrode fabrication. Journal of Neuroscience Methods, 1980, 3, 203-204. | 1.3 | 7 |
| 117 | Slowly Progressive Dopamine Cell Loss - A Model on which to Test Neuroprotective Strategies for Parkinson's Disease?. Reviews in the Neurosciences, 2009, 20, 85-94. | 1.4 | 7 |
| 118 | In vivo detection of immunoreactive neurokinin A release within rat substantia nigra and its dependency on a dopaminergic input. Brain Research, 1995, 679, 241-248. | 1.1 | 6 |
| 119 | Lithium Neurotoxicity. I. The Concentration of Lithium in Dopaminergic Systems of Rat Brain Determined by Flameless Atomic Absorption Spectrophotometry. Acta Pharmacologica Et Toxicologica, 1978, 42, 259-263. | 0.0 | 6 |
| 120 | Thalamostriatal synapsesâ€"another substrate for dopamine action?. Progress in Brain Research, 2014, 211, 1-11. | 0.9 | 6 |
| 121 | Rebuilding a realistic corticostriatal â€œsocial networkâ€•from dissociated cells. Frontiers in Systems Neuroscience, 2015, 9, 63. | 1.2 | 6 |
| 122 | Orthograde transport of nuclear yellow: a problem and its solution. Journal of Neuroscience Methods, 1982, 6, 365-368. | 1.3 | 5 |
| 123 | Astrocytes immunoreactive for glial fibrillary acidic protein (GFAP) are increased in the mediobasal hypothalamus in hypogonadal (hpg) mice. Molecular and Cellular Neurosciences, 1992, 3, 473-481. | 1.0 | 5 |
| 124 | Dealing with the devil in the detail â€“ some thoughts about the next model of the basal ganglia. Parkinsonism and Related Disorders, 2009, 15, S139-S142. | 1.1 | 5 |
| 125 | Some Consequences of Local Blockade of Nitric-Oxide Synthase in the Rat Neostriatum. Advances in Behavioral Biology, 1994, , 171-178. | 0.2 | 5 |
| 126 | The role of dopamine in pontine intracranial self-stimulation: A re-examination of the problem. Neuroscience Letters, 1981, 26, 169-175. | 1.0 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Functional Interactions within the Subthalamic Nucleus. Advances in Behavioral Biology, 2002, , 359-368. | 0.2 | 4 |
| 128 | The dopamine synapse and the notion of â€˜pleasure centresâ€™ in the brain. Trends in Neurosciences, 1980, 3, 199-200. | 4.2 | 3 |
| 129 | UPTAKE OF 5â€HYDROXYTRYPTAMINE IN THE CATECHOLAMINE CONTAINING AREAS OF THE HYPOTHALAMUS OF THE RAT AFTER TREATMENT WITH PHENELZINE AND TRYPTOPHAN. British Journal of Pharmacology, 1981, 73, 143-148. | 2.7 | 3 |
| 130 | Neuropharmacology. , 2010, , 45-76. | | 3 |
| 131 | Prelimbic cortical targets of ventromedial thalamic projections include inhibitory interneurons and corticostriatal pyramidal neurons in the rat. Brain Structure and Function, 2020, 225, 2057-2076. | 1.2 | 3 |
| 132 | Identification of 5-hydroxytryptamine in the presence of catecholamines by microspectrofluorimetry. Journal of Pharmacological Methods, 1980, 3, 97-102. | 0.7 | 2 |
| 133 | Support for the hypothesis that the actions of dopamine are â€œnot merely motor.â€• Behavioral and Brain Sciences, 1982, 5, 54-55. | 0.4 | 2 |
| 134 | The influence of the estrous cycle on the activity of striatal neurons recorded from freely moving rats. Neuroscience Letters, 1989, 107, 233-238. | 1.0 | 2 |
| 135 | Involvement of Viral Regulatory Gene Products in the Pathogenesis of Lentivirus Infections. Annals of the New York Academy of Sciences, 1994, 724, 107-124. | 1.8 | 2 |
| 136 | An Introspective Approach: A Lifetime of Parkinsonâ€™s Disease Research and Not Much to Show for It Yet?. Cells, 2021, 10, 513. | 1.8 | 2 |
| 137 | Studies of the afferent pathways to substantia nigra. Neuroscience Letters, 1976, 3, 111-112. | 1.0 | 0 |
| 138 | CHOLINE IN ALZHEIMER'S DISEASE. Lancet, The, 1978, 312, 1054. | 6.3 | 0 |
| 139 | Spectrin-like protein (fodrin) in nerve cells in culture. Biochemical Society Transactions, 1986, 14, 356-357. | 1.6 | 0 |
| 140 | Effects of dopamine on interaction of the two corticostriatal systems in rat somatosensory striatum. , 0, , . | | 0 |
| 141 | Dopamine D2 receptor-expressing striatal projection neurons display long term potentiation after high frequency stimulation of cortical afferents. Neuroscience Research, 2010, 68, e341. | 1.0 | 0 |
| 142 | Absence seizures arising from a mutation that causes selective loss of AMPA receptors within thalamocortical networks. Journal of the Neurological Sciences, 2013, 333, e51. | 0.3 | 0 |
| 143 | FRETing over dopamine: single cell cAMP and protein kinase A responses to 100 ms dopamine application. Journal of Physiology, 2013, 591, 3107-3107. | 1.3 | 0 |
| 144 | Neuromodulation and Neurodynamics of Striatal Inhibitory Networks: Implications for Parkinsonâ€™s Disease. , 2009, , 1-11. | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Finding active projections in a terminal system. Frontiers in Neuroinformatics, 0, 7, . | 1.3 | 0 |
| 146 | Fiber Bundle in-vivo Epifluorescence Microscopy with Image Reconstruction. , 2016, , . | | 0 |
| 147 | A Cortical Substrate for Parkinsonism: A Personal Journey. International Journal of Clinical Research & Trials, 2018, 3, . | 1.6 | 0 |
| 148 | Sparse Recovery of Under-Sampled Fiber Bundle Images for In-Vivo Endoscopy. , 2019, , . | | 0 |
| 149 | Activation of NOS Interneurones in Striatum after Excitotoxic Lesions of Rat Globus Pallidus. , 2005, , 485-491. | | 0 |
| 150 | In Vivo Wireless Optogenetic Control of Skilled Motor Behavior. Journal of Visualized Experiments, 2021, , . | 0.2 | 0 |