

Nicola Biagio Mercuri

List of Publications by Year in descending order

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477
papers

18,455
citations

16451

64
h-index

26613

107
g-index

484
all docs

484
docs citations

484
times ranked

16857
citing authors

#	ARTICLE	IF	CITATIONS
1	Dopamine acts on D2 receptors to increase potassium conductance in neurones of the rat substantia nigra zona compacta.. Journal of Physiology, 1987, 392, 397-416.	2.9	545
2	The corticostriatal projection: from synaptic plasticity to dysfunctions of the basal ganglia. Trends in Neurosciences, 1996, 19, 19-24.	8.6	420
3	Two cell types in rat substantia nigra zona compacta distinguished by membrane properties and the actions of dopamine and opioids. Journal of Neuroscience, 1989, 9, 1233-1241.	3.6	394
4	Long-term Potentiation in the Striatum is Unmasked by Removing the Voltage-dependent Magnesium Block of NMDA Receptor Channels. European Journal of Neuroscience, 1992, 4, 929-935.	2.6	380
5	On the potassium conductance increase activated by GABAB and dopamine D2 receptors in rat substantia nigra neurones.. Journal of Physiology, 1988, 401, 437-453.	2.9	309
6	Dopamine neuronal loss contributes to memory and reward dysfunction in a model of Alzheimer's disease. Nature Communications, 2017, 8, 14727.	12.8	308
7	Abnormal Synaptic Plasticity in the Striatum of Mice Lacking Dopamine D2 Receptors. Journal of Neuroscience, 1997, 17, 4536-4544.	3.6	279
8	Orexinergic System Dysregulation, Sleep Impairment, and Cognitive Decline in Alzheimer Disease. JAMA Neurology, 2014, 71, 1498.	9.0	262
9	Intracellular studies on the dopamine-induced firing inhibition of neostriatal neurons in vitro: Evidence for D1 receptor involvement. Neuroscience, 1987, 20, 757-771.	2.3	261
10	5-hydroxytryptamine1B receptors block the GABAB synaptic potential in rat dopamine neurons. Journal of Neuroscience, 1992, 12, 2000-2006.	3.6	240
11	Presynaptic Facilitation of Glutamatergic Synapses to Dopaminergic Neurons of the Rat Substantia Nigra by Endogenous Stimulation of Vanilloid Receptors. Journal of Neuroscience, 2003, 23, 3136-3144.	3.6	237
12	The "magic" of -dopa: why is it the gold standard Parkinson's disease therapy?. Trends in Pharmacological Sciences, 2005, 26, 341-344.	8.7	199
13	Properties of the Hyperpolarization-activated Cation Current Ih in Rat Midbrain Dopaminergic Neurons. European Journal of Neuroscience, 1995, 7, 462-469.	2.6	190
14	Correspondence. Neuroscience, 1997, 79, 323-327.	2.3	190
15	Coactivation of D1 and D2 dopamine receptors is required for long-term synaptic depression in the striatum. Neuroscience Letters, 1992, 142, 95-99.	2.1	186
16	The dopamine-containing neuron: maestro or simple musician in the orchestra of addiction?. Trends in Pharmacological Sciences, 2003, 24, 172-177.	8.7	174
17	Review: Parkinson's disease: from synaptic loss to connectome dysfunction. Neuropathology and Applied Neurobiology, 2016, 42, 77-94.	3.2	163
18	Subjective neurological symptoms frequently occur in patients with SARS-CoV2 infection. Brain, Behavior, and Immunity, 2020, 88, 11-16.	4.1	159

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19	Dysbiosis of gut microbiota in a selected population of Parkinson's patients. <i>Parkinsonism and Related Disorders</i> , 2019, 65, 124-130.	2.2	144
20	N-Arachidonoyl-Dopamine Tunes Synaptic Transmission onto Dopaminergic Neurons by Activating both Cannabinoid and Vanilloid Receptors. <i>Neuropsychopharmacology</i> , 2007, 32, 298-308.	5.4	141
21	Resistance to NMDA toxicity correlates with appearance of nuclear inclusions, behavioural deficits and changes in calcium homeostasis in mice transgenic for exon 1 of the huntington gene. <i>European Journal of Neuroscience</i> , 2001, 14, 1492-1504.	2.6	140
22	A Critical Interaction between Dopamine D2 Receptors and Endocannabinoids Mediates the Effects of Cocaine on Striatal GABAergic Transmission. <i>Neuropsychopharmacology</i> , 2004, 29, 1488-1497.	5.4	139
23	Responses of intracellularly recorded cortical neurons to the iontophoretic application of dopamine. <i>Brain Research</i> , 1982, 245, 267-274.	2.2	138
24	Effects of dihydropyridine calcium antagonists on rat midbrain dopaminergic neurones. <i>British Journal of Pharmacology</i> , 1994, 113, 831-838.	5.4	133
25	Increased persistent sodium current determines cortical hyperexcitability in a genetic model of amyotrophic lateral sclerosis. <i>Experimental Neurology</i> , 2009, 215, 368-379.	4.1	127
26	Blunting neuroinflammation with resolvin D1 prevents early pathology in a rat model of Parkinson's disease. <i>Nature Communications</i> , 2019, 10, 3945.	12.8	127
27	Involvement of transient receptor potential-like channels in responses to mGluR-I activation in midbrain dopamine neurons. <i>European Journal of Neuroscience</i> , 2003, 18, 2133-2145.	2.6	123
28	Inflammation Subverts Hippocampal Synaptic Plasticity in Experimental Multiple Sclerosis. <i>PLoS ONE</i> , 2013, 8, e54666.	2.5	123
29	Synaptic and intrinsic control of membrane excitability of neostriatal neurons. I. An in vivo analysis. <i>Journal of Neurophysiology</i> , 1990, 63, 651-662.	1.8	122
30	Activation of TRPV1 in the VTA Excites Dopaminergic Neurons and Increases Chemical- and Noxious-Induced Dopamine Release in the Nucleus Accumbens. <i>Neuropsychopharmacology</i> , 2005, 30, 864-870.	5.4	120
31	Involvement of GABA systems in feedback regulation of glutamate-and GABA-mediated synaptic potentials in rat neostriatum.. <i>Journal of Physiology</i> , 1991, 440, 581-599.	2.9	119
32	Actions of cocaine on rat dopaminergic neurones <i>in vitro</i> . <i>British Journal of Pharmacology</i> , 1990, 99, 731-735.	5.4	116
33	Obstructive Sleep Apnea is Associated With Early but Possibly Modifiable Alzheimer's Disease Biomarkers Changes. <i>Sleep</i> , 2017, 40, .	1.1	113
34	Riluzole interacts with voltage-activated sodium and potassium currents in cultured rat cortical neurons. <i>Neuroscience</i> , 1998, 85, 931-938.	2.3	110
35	Blockade of Nociceptin/Orphanin FQ Receptor Signaling in Rat Substantia Nigra Pars Reticulata Stimulates Nigrostriatal Dopaminergic Transmission and Motor Behavior. <i>Journal of Neuroscience</i> , 2004, 24, 6659-6666.	3.6	109
36	Action of GP 47779, the Active Metabolite of Oxcarbazepine, on the Corticostriatal System. II. Modulation of High-Voltage-Activated Calcium Currents. <i>Epilepsia</i> , 1995, 36, 997-1002.	5.1	101

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37	L-DOPA: A scapegoat for accelerated neurodegeneration in Parkinson's disease?. <i>Progress in Neurobiology</i> , 2011, 94, 389-407.	5.7	100
38	Temperature Sensitivity of Dopaminergic Neurons of the Substantia Nigra Pars Compacta: Involvement of Transient Receptor Potential Channels. <i>Journal of Neurophysiology</i> , 2005, 94, 3069-3080.	1.8	98
39	Rapid eye movement sleep disruption and sleep fragmentation are associated with increased orexin-A cerebrospinal-fluid levels in mild cognitive impairment due to Alzheimer's disease. <i>Neurobiology of Aging</i> , 2016, 40, 120-126.	3.1	96
40	Activation of metabotropic glutamate receptors inhibits calcium currents and GABA-mediated synaptic potentials in striatal neurons. <i>Journal of Neuroscience</i> , 1994, 14, 6734-6743.	3.6	95
41	Dopamine decreases cell excitability in rat striatal neurons by pre- and postsynaptic mechanisms. <i>Brain Research</i> , 1985, 358, 110-121.	2.2	92
42	Activation of quisqualate metabotropic receptors reduces glutamate and GABA-mediated synaptic potentials in the rat striatum. <i>Neuroscience Letters</i> , 1992, 139, 41-44.	2.1	92
43	Dopamine D2 receptor dysfunction is rescued by adenosine A2A receptor antagonism in a model of DYT1 dystonia. <i>Neurobiology of Disease</i> , 2010, 38, 434-445.	4.4	92
44	Dietary Vitamin E as a Protective Factor for Parkinson's Disease: Clinical and Experimental Evidence. <i>Frontiers in Neurology</i> , 2019, 10, 148.	2.4	89
45	Paraquat and Rotenone-Induced Models of Parkinson's Disease. <i>International Journal of Immunopathology and Pharmacology</i> , 2011, 24, 313-322.	2.1	86
46	Intrinsic membrane properties and synaptic inputs regulating the firing activity of the dopamine neurons. <i>Behavioural Brain Research</i> , 2002, 130, 149-169.	2.2	85
47	Targeting Synaptic Dysfunction in Alzheimer's Disease Therapy. <i>Molecular Neurobiology</i> , 2012, 46, 572-587.	4.0	80
48	Increased levels of d-aspartate in the hippocampus enhance LTP but do not facilitate cognitive flexibility. <i>Molecular and Cellular Neurosciences</i> , 2008, 37, 236-246.	2.2	79
49	Sleep-disordered breathing and the risk of Alzheimer's disease. <i>Sleep Medicine Reviews</i> , 2021, 55, 101375.	8.5	79
50	Chronic neuroleptic treatment: D2 dopamine receptor supersensitivity and striatal glutamatergic transmission. <i>Annals of Neurology</i> , 1992, 31, 366-373.	5.3	78
51	Vulnerability of Medium Spiny Striatal Neurons to Glutamate: Role of Na ⁺ /K ⁺ ATPase. <i>European Journal of Neuroscience</i> , 1995, 7, 1674-1683.	2.6	78
52	Treatment of the symptoms of Huntington's disease: Preliminary results comparing aripiprazole and tetrabenazine. <i>Movement Disorders</i> , 2009, 24, 126-129.	3.9	78
53	L-Type Calcium Channels Mediate a Slow Excitatory Synaptic Transmission in Rat Midbrain Dopaminergic Neurons. <i>Journal of Neuroscience</i> , 1998, 18, 6693-6703.	3.6	75
54	Alzheimer's disease and late-onset epilepsy of unknown origin: two faces of beta amyloid pathology. <i>Neurobiology of Aging</i> , 2019, 73, 61-67.	3.1	75

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55	The electrophysiological actions of dopamine and dopaminergic drugs on neurons of the substantia nigra pars compacta and ventral tegmental area. <i>Life Sciences</i> , 1992, 51, 711-718.	4.3	74
56	Lamotrigine derivatives and riluzole inhibit INa,P in cortical neurons. <i>NeuroReport</i> , 2002, 13, 1167-1170.	1.2	74
57	Cerebrospinal fluid lactate levels and brain [18F]FDG PET hypometabolism within the default mode network in Alzheimer's disease. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 43, 2040-2049.	6.4	73
58	Dopamine modulates CA1 hippocampal neurons by elevating the threshold for spike generation: An in vitro study. <i>Neuroscience</i> , 1984, 13, 1105-1116.	2.3	72
59	Transient receptor potential-like channels mediate metabotropic glutamate receptor EPSCs in rat dopamine neurones. <i>Journal of Physiology</i> , 2004, 555, 323-330.	2.9	72
60	Acute action of rotenone on nigral dopaminergic neurons – involvement of reactive oxygen species and disruption of Ca ²⁺ homeostasis. <i>European Journal of Neuroscience</i> , 2009, 30, 1849-1859.	2.6	72
61	Epilepsy, amyloid- β^2 , and D1 dopamine receptors: a possible pathogenetic link?. <i>Neurobiology of Aging</i> , 2016, 48, 161-171.	3.1	71
62	Increased d-aspartate brain content rescues hippocampal age-related synaptic plasticity deterioration of mice. <i>Neurobiology of Aging</i> , 2011, 32, 2229-2243.	3.1	70
63	Synaptic Plasticity and PDGF Signaling Defects Underlie Clinical Progression in Multiple Sclerosis. <i>Journal of Neuroscience</i> , 2013, 33, 19112-19119.	3.6	70
64	Specialized pro-resolving lipid mediators are differentially altered in peripheral blood of patients with multiple sclerosis and attenuate monocyte and blood-brain barrier dysfunction. <i>Haematologica</i> , 2020, 105, 2056-2070.	3.5	70
65	Activation of metabotropic glutamate receptors induces an inward current in rat dopamine mesencephalic neurons. <i>Neuroscience</i> , 1993, 56, 399-407.	2.3	69
66	Cu/Zn-superoxide dismutase (GLY93 \rightarrow ALA) mutation alters AMPA receptor subunit expression and function and potentiates kainate-mediated toxicity in motor neurons in culture. <i>Neurobiology of Disease</i> , 2004, 15, 340-350.	4.4	67
67	Heterogeneity of Metabotropic Glutamate Receptors in the Striatum: Electrophysiological Evidence. <i>European Journal of Neuroscience</i> , 1993, 5, 1370-1377.	2.6	66
68	Role of Aberrant Striatal Dopamine D ₁ Receptor/cAMP/Protein Kinase A/DARPP32 Signaling in the Paradoxical Calming Effect of Amphetamine. <i>Journal of Neuroscience</i> , 2010, 30, 11043-11056.	3.6	66
69	Systemic Activation of Nrf2 Pathway in Parkinson's Disease. <i>Movement Disorders</i> , 2020, 35, 180-184.	3.9	66
70	Interleukin- 1β Promotes Long-Term Potentiation in Patients with Multiple Sclerosis. <i>NeuroMolecular Medicine</i> , 2014, 16, 38-51.	3.4	64
71	The role of dopaminergic midbrain in Alzheimer's disease: Translating basic science into clinical practice. <i>Pharmacological Research</i> , 2018, 130, 414-419.	7.1	64
72	Transcranial magnetic stimulation predicts cognitive decline in patients with Alzheimer's disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2018, 89, 1237-1242.	1.9	64

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73	Endogenous dopamine and dopaminergic agonists modulate synaptic excitation in neostriatum: Intracellular studies from naive and catecholamine-depleted rats. <i>Neuroscience</i> , 1988, 27, 145-157.	2.3	62
74	Group I Metabotropic Glutamate Receptors Mediate an Inward Current in Rat Substantia Nigra Dopamine Neurons That Is Independent From Calcium Mobilization. <i>Journal of Neurophysiology</i> , 1999, 82, 1974-1981.	1.8	60
75	Persistent increase of d-aspartate in d-aspartate oxidase mutant mice induces a precocious hippocampal age-dependent synaptic plasticity and spatial memory decay. <i>Neurobiology of Aging</i> , 2011, 32, 2061-2074.	3.1	60
76	Early structural and functional plasticity alterations in a susceptibility period of DYT1 dystonia mouse striatum. <i>ELife</i> , 2018, 7, .	6.0	60
77	Cognitive rehabilitation post traumatic brain injury: A systematic review for emerging use of virtual reality technology. <i>Journal of Clinical Neuroscience</i> , 2019, 66, 209-219.	1.5	60
78	Brain regional and cellular localization of gelatinase activity in rat that have undergone transient middle cerebral artery occlusion. <i>Neuroscience</i> , 2008, 152, 8-17.	2.3	59
79	Dysfunctional dopaminergic neurotransmission in asocial BTBR mice. <i>Translational Psychiatry</i> , 2014, 4, e427-e427.	4.8	59
80	Amyloid-Mediated Cholinergic Dysfunction in Motor Impairment Related to Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2018, 64, 525-532.	2.6	59
81	Self-reported needs of patients with Parkinson's disease during COVID-19 emergency in Italy. <i>Neurological Sciences</i> , 2020, 41, 1373-1375.	1.9	59
82	Metabotropic Glutamate Receptor 1 Mediates the Electrophysiological and Toxic Actions of the Cycad Derivative Î²-N-Methylamino-L-Alanine on Substantia Nigra Pars Compacta DAergic Neurons. <i>Journal of Neuroscience</i> , 2010, 30, 5176-5188.	3.6	58
83	Therapeutic potential of targeting hydrogen peroxide metabolism in the treatment of brain ischaemia. <i>British Journal of Pharmacology</i> , 2012, 166, 1211-1224.	5.4	58
84	Insulin Receptor Î²-Subunit Haploinsufficiency Impairs Hippocampal Late-Phase LTP and Recognition Memory. <i>NeuroMolecular Medicine</i> , 2012, 14, 262-269.	3.4	58
85	InÂvivo mapping of brainstem nuclei functional connectivity disruption in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2018, 72, 72-82.	3.1	58
86	Effect of Memantine on Resting State Default Mode Network Activity in Alzheimer's Disease. <i>Drugs and Aging</i> , 2011, 28, 205-217.	2.7	57
87	Dystonia as a network disorder: a concept in evolution. <i>Current Opinion in Neurology</i> , 2018, 31, 498-503.	3.6	57
88	Glutamate Metabotropic Receptor Agonists Depress Excitatory and Inhibitory Transmission on Rat Mesencephalic Principal Neurons. <i>European Journal of Neuroscience</i> , 1997, 9, 2359-2369.	2.6	56
89	Cognitive Impairment and Dentate Gyrus Synaptic Dysfunction in Experimental Parkinsonism. <i>Biological Psychiatry</i> , 2014, 75, 701-710.	1.3	56
90	From Traumatic Childhood to Cocaine Abuse: The Critical Function of the Immune System. <i>Biological Psychiatry</i> , 2018, 84, 905-916.	1.3	56

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91	Rotigotine may improve sleep architecture in Parkinson's disease: a double-blind, randomized, placebo-controlled polysomnographic study. <i>Sleep Medicine</i> , 2016, 21, 140-144.	1.6	55
92	The modulation of calcium currents by the activation of mGluRs. <i>Molecular Neurobiology</i> , 1996, 13, 81-95.	4.0	54
93	Actions of methylphenidate on dopaminergic neurons of the ventral midbrain. <i>Biological Psychiatry</i> , 2005, 57, 361-365.	1.3	54
94	Altered cortico-striatal synaptic plasticity and related behavioural impairments in reeler mice. <i>European Journal of Neuroscience</i> , 2006, 24, 2061-2070.	2.6	54
95	Posterior Reversible Encephalopathy Syndrome after Hematopoietic Cell Transplantation in Children with Hemoglobinopathies. <i>Biology of Blood and Marrow Transplantation</i> , 2017, 23, 1531-1540.	2.0	54
96	Obstructive sleep apnea may induce orexinergic system and cerebral β -amyloid metabolism dysregulation: is it a further proof for Alzheimer's disease risk?. <i>Sleep Medicine</i> , 2019, 56, 171-176.	1.6	53
97	Physical Activity Changes and Correlate Effects in Patients with Parkinson's Disease during COVID-19 Lockdown. <i>Movement Disorders Clinical Practice</i> , 2020, 7, 797-802.	1.5	53
98	Action of GP 47779, the Active Metabolite of Oxcarbazepine, on the Corticostriatal System. I. Modulation of Corticostriatal Synaptic Transmission. <i>Epilepsia</i> , 1995, 36, 990-996.	5.1	51
99	Enhanced sensitivity of DJ-1-deficient dopaminergic neurons to energy metabolism impairment: Role of Na ⁺ /K ⁺ ATPase. <i>Neurobiology of Disease</i> , 2006, 23, 54-60.	4.4	51
100	Endogenous GABA mediates presynaptic inhibition of spontaneous and evoked excitatory synaptic potentials in the rat neostriatum. <i>Neuroscience Letters</i> , 1990, 118, 99-102.	2.1	50
101	Muscarinic receptors depress GABAergic synaptic transmission in rat midbrain dopamine neurons. <i>Neuroscience</i> , 2000, 96, 299-307.	2.3	50
102	Synaptic plasticity, dopamine and Parkinson's disease: one step ahead. <i>Brain</i> , 2008, 132, 285-287.	7.6	50
103	Current Concepts on the Physiopathological Relevance of Dopaminergic Receptors. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 27.	3.7	50
104	Dopamine loss alters the hippocampus-nucleus accumbens synaptic transmission in the Tg2576 mouse model of Alzheimer's disease. <i>Neurobiology of Disease</i> , 2018, 116, 142-154.	4.4	50
105	Dopamine-dependent early synaptic and motor dysfunctions induced by α -synuclein in the nigrostriatal circuit. <i>Brain</i> , 2021, 144, 3477-3491.	7.6	49
106	Responses of rat substantia nigra compacta neurones to L-DOPA. <i>British Journal of Pharmacology</i> , 1990, 100, 257-260.	5.4	48
107	Effects of anoxia on rat midbrain dopamine neurons. <i>Journal of Neurophysiology</i> , 1994, 71, 1165-1173.	1.8	48
108	Whole Cell Patch-Clamp Recordings of Rat Midbrain Dopaminergic Neurons Isolate a Sulphonylurea- and ATP-Sensitive Component of Potassium Currents Activated by Hypoxia. <i>Journal of Neurophysiology</i> , 1998, 79, 1239-1245.	1.8	48

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109	Excessive and precocious glutamate release in a mouse model of amyotrophic lateral sclerosis. <i>Neuropharmacology</i> , 2004, 46, 782-792.	4.1	48
110	Exercise interventions in Alzheimer's disease: A systematic review and meta-analysis of randomized controlled trials. <i>Ageing Research Reviews</i> , 2021, 72, 101479.	10.9	48
111	Altered calcium homeostasis in motor neurons following AMPA receptor but not voltage-dependent calcium channels activation in a genetic model of amyotrophic lateral sclerosis. <i>Neurobiology of Disease</i> , 2007, 28, 90-100.	4.4	47
112	Free D-aspartate regulates neuronal dendritic morphology, synaptic plasticity, gray matter volume and brain activity in mammals. <i>Translational Psychiatry</i> , 2014, 4, e417-e417.	4.8	47
113	Continuous Positive Airway Pressure Treatment Increases Serum Vitamin D Levels in Male Patients with Obstructive Sleep Apnea. <i>Journal of Clinical Sleep Medicine</i> , 2015, 11, 603-607.	2.6	47
114	miR-34b/c Regulates Wnt1 and Enhances Mesencephalic Dopaminergic Neuron Differentiation. <i>Stem Cell Reports</i> , 2018, 10, 1237-1250.	4.8	47
115	Sleep-Wake Cycle in Alzheimer's Disease Is Associated with Tau Pathology and Orexin Dysregulation. <i>Journal of Alzheimer's Disease</i> , 2020, 74, 501-508.	2.6	47
116	On the properties of identified dopaminergic neurons in the mouse substantia nigra and ventral tegmental area. <i>European Journal of Neuroscience</i> , 2017, 45, 92-105.	2.6	46
117	LTP-like cortical plasticity is associated with verbal memory impairment in Alzheimer's disease patients. <i>Brain Stimulation</i> , 2019, 12, 148-151.	1.6	46
118	Nilotinib restores memory function by preventing dopaminergic neuron degeneration in a mouse model of Alzheimer's Disease. <i>Progress in Neurobiology</i> , 2021, 202, 102031.	5.7	46
119	The mechanism of amphetamine-induced inhibition of rat substantia nigra compacta neurones investigated with intracellular recording <i>in vitro</i> . <i>British Journal of Pharmacology</i> , 1989, 98, 127-134.	5.4	45
120	Electrophysiological actions of felbamate on rat striatal neurones. <i>British Journal of Pharmacology</i> , 1995, 116, 2053-2061.	5.4	45
121	Group I metabotropic glutamate receptors activate burst firing in rat midbrain dopaminergic neurons. <i>Neuropharmacology</i> , 2002, 42, 289-296.	4.1	45
122	Calcineurin Inhibition Rescues Early Synaptic Plasticity Deficits in a Mouse Model of Alzheimer's Disease. <i>NeuroMolecular Medicine</i> , 2013, 15, 541-548.	3.4	45
123	Over-expression of N-type calcium channels in cortical neurons from a mouse model of Amyotrophic Lateral Sclerosis. <i>Experimental Neurology</i> , 2013, 247, 349-358.	4.1	45
124	Is autonomic nervous system involved in restless legs syndrome during wakefulness?. <i>Sleep Medicine</i> , 2014, 15, 1392-1397.	1.6	45
125	Evidence of hydrogen sulfide involvement in amyotrophic lateral sclerosis. <i>Annals of Neurology</i> , 2015, 77, 697-709.	5.3	45
126	Heart rate variability in untreated newly diagnosed temporal lobe epilepsy: Evidence for ictal sympathetic dysregulation. <i>Epilepsia</i> , 2016, 57, 418-426.	5.1	45

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127	Assessment of Motor Impairments in Early Untreated Parkinson's Disease Patients: The Wearable Electronics Impact. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020, 24, 120-130.	6.3	45
128	Effects of riluzole on rat cortical neurones: an in vitro electrophysiological study. <i>British Journal of Pharmacology</i> , 1997, 120, 225-230.	5.4	44
129	Inhibitory effects of trace amines on rat midbrain dopaminergic neurons. <i>Neuropharmacology</i> , 2004, 46, 807-814.	4.1	44
130	<i>RGS2</i> rescues dopamine D2 receptor levels and signaling in <i>DYT1</i> dystonia mouse models. <i>EMBO Molecular Medicine</i> , 2019, 11, .	6.9	44
131	Lithium Treatment Blocks Long-Term Synaptic Depression in the Striatum. <i>Neuron</i> , 1993, 10, 955-962.	8.1	43
132	Preserved Fronto-Striatal Plasticity and Enhanced Procedural Learning in a Transgenic Mouse Model of Alzheimer's Disease Overexpressing Mutant hAPP _{swe} . <i>Learning and Memory</i> , 2004, 11, 447-452.	1.3	43
133	Chronic Cocaine Prevents Depotentiation at Corticostriatal Synapses. <i>Biological Psychiatry</i> , 2006, 60, 436-443.	1.3	43
134	Molecular and synaptic changes in the hippocampus underlying superior spatial abilities in pre-symptomatic G93A ^{+/+} mice overexpressing the human Cu/Zn superoxide dismutase (Gly93 [→] ALA) mutation. <i>Experimental Neurology</i> , 2006, 197, 505-514.	4.1	43
135	Dopaminergic dysfunction is associated with IL-1 β -dependent mood alterations in experimental autoimmune encephalomyelitis. <i>Neurobiology of Disease</i> , 2015, 74, 347-358.	4.4	42
136	Presynaptic muscarinic (M3) receptors reduce excitatory transmission in dopamine neurons of the rat mesencephalon. <i>Neuroscience</i> , 1999, 91, 557-565.	2.3	41
137	Presynaptic c-Jun N-terminal Kinase 2 regulates NMDA receptor-dependent glutamate release. <i>Scientific Reports</i> , 2015, 5, 9035.	3.3	41
138	Centrality of Early Synaptopathy in Parkinson's Disease. <i>Frontiers in Neurology</i> , 2018, 9, 103.	2.4	41
139	Young-onset and late-onset Parkinson's disease exhibit a different profile of fluid biomarkers and clinical features. <i>Neurobiology of Aging</i> , 2020, 90, 119-124.	3.1	41
140	Epileptiform discharge induced by 4-aminopyridine in magnesium-free medium in neocortical neurons: physiological and pharmacological characterization. <i>Neuroscience</i> , 1997, 81, 189-197.	2.3	40
141	<i>PINK1</i> heterozygous mutations induce subtle alterations in dopamine-dependent synaptic plasticity. <i>Movement Disorders</i> , 2014, 29, 41-53.	3.9	40
142	Efficacy and tolerability of perampanel and levetiracetam as first add-on therapy in patients with epilepsy: A retrospective single center study. <i>Epilepsy and Behavior</i> , 2018, 80, 173-176.	1.7	40
143	Neurotensin induces an inward current in rat mesencephalic dopaminergic neurons. <i>Neuroscience Letters</i> , 1993, 153, 192-196.	2.1	39
144	Group I mGluRs Coupled to G Proteins Are Regulated by Tyrosine Kinase in Dopamine Neurons of the Rat Midbrain. <i>Journal of Neurophysiology</i> , 2001, 85, 2490-2497.	1.8	39

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145	Ethanol enhances GABA _B -mediated inhibitory postsynaptic transmission on rat midbrain dopaminergic neurons by facilitating GIRK currents. <i>European Journal of Neuroscience</i> , 2009, 29, 1369-1377.	2.6	39
146	Dual effects of l-DOPA on nigral dopaminergic neurons. <i>Experimental Neurology</i> , 2013, 247, 582-594.	4.1	39
147	Hypothalamic dysfunction is related to sleep impairment and CSF biomarkers in Alzheimer's disease. <i>Journal of Neurology</i> , 2017, 264, 2215-2223.	3.6	39
148	Sleep dysregulation, memory impairment, and CSF biomarkers during different levels of neurocognitive functioning in Alzheimer's disease course. <i>Alzheimer's Research and Therapy</i> , 2020, 12, 5.	6.2	39
149	Altered long-term corticostriatal synaptic plasticity in transgenic mice overexpressing human CU/ZN superoxide dismutase (GLY93A'ALA) mutation. <i>Neuroscience</i> , 2003, 118, 399-408.	2.3	38
150	Transmitter Release Associated with Long-term Synaptic Depression in Rat Corticostriatal Slices. <i>European Journal of Neuroscience</i> , 1995, 7, 1889-1894.	2.6	37
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