

Nicola Biagio Mercuri

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463
papers

14,713
citations

60
h-index

99
g-index

484
ext. papers

16,550
ext. citations

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avg, IF

6.38
L-index

#	Paper	IF	Citations
463	Dopamine acts on D2 receptors to increase potassium conductance in neurones of the rat substantia nigra zona compacta. <i>Journal of Physiology</i> , 1987 , 392, 397-416	3.9	496
462	The corticostriatal projection: from synaptic plasticity to dysfunctions of the basal ganglia. <i>Trends in Neurosciences</i> , 1996 , 19, 19-24	13.3	385
461	Two cell types in rat substantia nigra zona compacta distinguished by membrane properties and the actions of dopamine and opioids. <i>Journal of Neuroscience</i> , 1989 , 9, 1233-41	6.6	367
460	Long-term Potentiation in the Striatum is Unmasked by Removing the Voltage-dependent Magnesium Block of NMDA Receptor Channels. <i>European Journal of Neuroscience</i> , 1992 , 4, 929-935	3.5	353
459	On the potassium conductance increase activated by GABAB and dopamine D2 receptors in rat substantia nigra neurones. <i>Journal of Physiology</i> , 1988 , 401, 437-53	3.9	276
458	Abnormal synaptic plasticity in the striatum of mice lacking dopamine D2 receptors. <i>Journal of Neuroscience</i> , 1997 , 17, 4536-44	6.6	258
457	Intracellular studies on the dopamine-induced firing inhibition of neostriatal neurons in vitro: evidence for D1 receptor involvement. <i>Neuroscience</i> , 1987 , 20, 757-71	3.9	246
456	Presynaptic facilitation of glutamatergic synapses to dopaminergic neurons of the rat substantia nigra by endogenous stimulation of vanilloid receptors. <i>Journal of Neuroscience</i> , 2003 , 23, 3136-44	6.6	223
455	5-hydroxytryptamine1B receptors block the GABAB synaptic potential in rat dopamine neurons. <i>Journal of Neuroscience</i> , 1992 , 12, 2000-6	6.6	223
454	Dopamine neuronal loss contributes to memory and reward dysfunction in a model of Alzheimer's disease. <i>Nature Communications</i> , 2017 , 8, 14727	17.4	190
453	Orexinergic system dysregulation, sleep impairment, and cognitive decline in Alzheimer disease. <i>JAMA Neurology</i> , 2014 , 71, 1498-505	17.2	189
452	Loss of autoreceptor function in dopaminergic neurons from dopamine D2 receptor deficient mice. <i>Neuroscience</i> , 1997 , 79, 323-7	3.9	182
451	Properties of the hyperpolarization-activated cation current I _h in rat midbrain dopaminergic neurons. <i>European Journal of Neuroscience</i> , 1995 , 7, 462-9	3.5	182
450	Coactivation of D1 and D2 dopamine receptors is required for long-term synaptic depression in the striatum. <i>Neuroscience Letters</i> , 1992 , 142, 95-9	3.3	180
449	The 'magic' of L-dopa: why is it the gold standard Parkinson's disease therapy?. <i>Trends in Pharmacological Sciences</i> , 2005 , 26, 341-4	13.2	166
448	The dopamine-containing neuron: maestro or simple musician in the orchestra of addiction?. <i>Trends in Pharmacological Sciences</i> , 2003 , 24, 172-7	13.2	156
447	N-arachidonoyl-dopamine tunes synaptic transmission onto dopaminergic neurons by activating both cannabinoid and vanilloid receptors. <i>Neuropsychopharmacology</i> , 2007 , 32, 298-308	8.7	132

446	Responses of intracellularly recorded cortical neurons to the iontophoretic application of dopamine. <i>Brain Research</i> , 1982 , 245, 267-74	3.7	128
445	A critical interaction between dopamine D2 receptors and endocannabinoids mediates the effects of cocaine on striatal gabaergic Transmission. <i>Neuropsychopharmacology</i> , 2004 , 29, 1488-97	8.7	125
444	Effects of dihydropyridine calcium antagonists on rat midbrain dopaminergic neurones. <i>British Journal of Pharmacology</i> , 1994 , 113, 831-8	8.6	123
443	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, 1492-504	3.5	117
442	Review: Parkinson's disease: from synaptic loss to connectome dysfunction. <i>Neuropathology and Applied Neurobiology</i> , 2016 , 42, 77-94	5.2	114
441	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, 2133-45	3.5	113
440	Involvement of GABA systems in feedback regulation of glutamate-and GABA-mediated synaptic potentials in rat neostriatum. <i>Journal of Physiology</i> , 1991 , 440, 581-99	3.9	108
439	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, 6659-66	6.6	106
438	Actions of cocaine on rat dopaminergic neurones in vitro. <i>British Journal of Pharmacology</i> , 1990 , 99, 731-8.6		105
437	Inflammation subverts hippocampal synaptic plasticity in experimental multiple sclerosis. <i>PLoS ONE</i> , 2013 , 8, e54666	3.7	104
436	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, 864-70	8.7	103
435	Riluzole interacts with voltage-activated sodium and potassium currents in cultured rat cortical neurons. <i>Neuroscience</i> , 1998 , 85, 931-8	3.9	101
434	Synaptic and intrinsic control of membrane excitability of neostriatal neurons. I. An in vivo analysis. <i>Journal of Neurophysiology</i> , 1990 , 63, 651-62	3.2	101
433	Subjective neurological symptoms frequently occur in patients with SARS-CoV2 infection. <i>Brain, Behavior, and Immunity</i> , 2020 , 88, 11-16	16.6	95
432	Increased persistent sodium current determines cortical hyperexcitability in a genetic model of amyotrophic lateral sclerosis. <i>Experimental Neurology</i> , 2009 , 215, 368-79	5.7	94
431	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	6.4	93
430	Activation of metabotropic glutamate receptors inhibits calcium currents and GABA-mediated synaptic potentials in striatal neurons. <i>Journal of Neuroscience</i> , 1994 , 14, 6734-43	6.6	90
429	Activation of quisqualate metabotropic receptors reduces glutamate and GABA-mediated synaptic potentials in the rat striatum. <i>Neuroscience Letters</i> , 1992 , 139, 41-4	3.3	88

428	Dysbiosis of gut microbiota in a selected population of Parkinson's patients. <i>Parkinsonism and Related Disorders</i> , 2019 , 65, 124-130	3.6	86
427	Dopamine decreases cell excitability in rat striatal neurons by pre- and postsynaptic mechanisms. <i>Brain Research</i> , 1985 , 358, 110-21	3.7	86
426	L-DOPA: a scapegoat for accelerated neurodegeneration in Parkinson's disease?. <i>Progress in Neurobiology</i> , 2011 , 94, 389-407	10.9	84
425	Temperature sensitivity of dopaminergic neurons of the substantia nigra pars compacta: involvement of transient receptor potential channels. <i>Journal of Neurophysiology</i> , 2005 , 94, 3069-80	3.2	84
424	Vulnerability of medium spiny striatal neurons to glutamate: role of Na ⁺ /K ⁺ ATPase. <i>European Journal of Neuroscience</i> , 1995 , 7, 1674-83	3.5	78
423	Intrinsic membrane properties and synaptic inputs regulating the firing activity of the dopamine neurons. <i>Behavioural Brain Research</i> , 2002 , 130, 149-69	3.4	77
422	Chronic neuroleptic treatment: D2 dopamine receptor supersensitivity and striatal glutamatergic transmission. <i>Annals of Neurology</i> , 1992 , 31, 366-73	9.4	76
421	Obstructive Sleep Apnea is Associated With Early but Possibly Modifiable Alzheimer's Disease Biomarkers Changes. <i>Sleep</i> , 2017 , 40,	1.1	75
420	Dopamine D2 receptor dysfunction is rescued by adenosine A2A receptor antagonism in a model of DYT1 dystonia. <i>Neurobiology of Disease</i> , 2010 , 38, 434-45	7.5	75
419	Blunting neuroinflammation with resolvin D1 prevents early pathology in a rat model of Parkinson's disease. <i>Nature Communications</i> , 2019 , 10, 3945	17.4	74
418	Increased levels of d-aspartate in the hippocampus enhance LTP but do not facilitate cognitive flexibility. <i>Molecular and Cellular Neurosciences</i> , 2008 , 37, 236-46	4.8	74
417	L-Type calcium channels mediate a slow excitatory synaptic transmission in rat midbrain dopaminergic neurons. <i>Journal of Neuroscience</i> , 1998 , 18, 6693-703	6.6	71
416	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	5.6	67
415	Treatment of the symptoms of Huntington's disease: preliminary results comparing aripiprazole and tetrabenazine. <i>Movement Disorders</i> , 2009 , 24, 126-9	7	67
414	Lamotrigine derivatives and riluzole inhibit INa,P in cortical neurons. <i>NeuroReport</i> , 2002 , 13, 1167-70	1.7	67
413	Activation of metabotropic glutamate receptors induces an inward current in rat dopamine mesencephalic neurons. <i>Neuroscience</i> , 1993 , 56, 399-407	3.9	67
412	Dopamine modulates CA1 hippocampal neurons by elevating the threshold for spike generation: an in vitro study. <i>Neuroscience</i> , 1984 , 13, 1105-16	3.9	66
411	Transient receptor potential-like channels mediate metabotropic glutamate receptor EPSCs in rat dopamine neurones. <i>Journal of Physiology</i> , 2004 , 555, 323-30	3.9	65

410	Cu/Zn-superoxide dismutase (GLY93-->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, 340-50	7.5	64
409	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, 1849-59	3.5	63
408	Heterogeneity of metabotropic glutamate receptors in the striatum: electrophysiological evidence. <i>European Journal of Neuroscience</i> , 1993 , 5, 1370-7	3.5	63
407	Targeting synaptic dysfunction in Alzheimer's disease therapy. <i>Molecular Neurobiology</i> , 2012 , 46, 572-87	6.2	62
406	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, 711-8	6.8	62
405	Interleukin-1 β promotes long-term potentiation in patients with multiple sclerosis. <i>NeuroMolecular Medicine</i> , 2014 , 16, 38-51	4.6	60
404	Endogenous dopamine and dopaminergic agonists modulate synaptic excitation in neostriatum: intracellular studies from naive and catecholamine-depleted rats. <i>Neuroscience</i> , 1988 , 27, 145-57	3.9	60
403	Increased D-aspartate brain content rescues hippocampal age-related synaptic plasticity deterioration of mice. <i>Neurobiology of Aging</i> , 2011 , 32, 2229-43	5.6	59
402	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, 1974-81	3.2	59
401	Synaptic plasticity and PDGF signaling defects underlie clinical progression in multiple sclerosis. <i>Journal of Neuroscience</i> , 2013 , 33, 19112-9	6.6	56
400	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	3.9	56
399	The modulation of calcium currents by the activation of mGluRs. Functional implications. <i>Molecular Neurobiology</i> , 1996 , 13, 81-95	6.2	54
398	Dietary Vitamin E as a Protective Factor for Parkinson's Disease: Clinical and Experimental Evidence. <i>Frontiers in Neurology</i> , 2019 , 10, 148	4.1	53
397	Role of aberrant striatal dopamine D1 receptor/cAMP/protein kinase A/DARPP32 signaling in the paradoxical calming effect of amphetamine. <i>Journal of Neuroscience</i> , 2010 , 30, 11043-56	6.6	53
396	Therapeutic potential of targeting hydrogen peroxide metabolism in the treatment of brain ischaemia. <i>British Journal of Pharmacology</i> , 2012 , 166, 1211-24	8.6	51
395	Insulin receptor β subunit haploinsufficiency impairs hippocampal late-phase LTP and recognition memory. <i>NeuroMolecular Medicine</i> , 2012 , 14, 262-9	4.6	51
394	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, 2061-74	5.6	51
393	Effect of memantine on resting state default mode network activity in Alzheimer's disease. <i>Drugs and Aging</i> , 2011 , 28, 205-17	4.7	50

392	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, 2040-9	8.8	50
391	Glutamate metabotropic receptor agonists depress excitatory and inhibitory transmission on rat mesencephalic principal neurons. <i>European Journal of Neuroscience</i> , 1997 , 9, 2359-69	3.5	49
390	Metabotropic glutamate receptor 1 mediates the electrophysiological and toxic actions of the cycad derivative beta-N-Methylamino-L-alanine on substantia nigra pars compacta DAergic neurons. <i>Journal of Neuroscience</i> , 2010 , 30, 5176-88	6.6	48
389	Action of GP 47779, the active metabolite of oxcarbazepine, on the corticostriatal system. I. Modulation of corticostriatal synaptic transmission. <i>Epilepsia</i> , 1995 , 36, 990-6	6.4	48
388	Epilepsy, amyloid- β and D1 dopamine receptors: a possible pathogenetic link?. <i>Neurobiology of Aging</i> , 2016 , 48, 161-171	5.6	48
387	Actions of methylphenidate on dopaminergic neurons of the ventral midbrain. <i>Biological Psychiatry</i> , 2005 , 57, 361-5	7.9	47
386	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, 1239-45	3.2	47
385	Effects of anoxia on rat midbrain dopamine neurons. <i>Journal of Neurophysiology</i> , 1994 , 71, 1165-73	3.2	47
384	Altered cortico-striatal synaptic plasticity and related behavioural impairments in reeler mice. <i>European Journal of Neuroscience</i> , 2006 , 24, 2061-70	3.5	46
383	Muscarinic receptors depress GABAergic synaptic transmission in rat midbrain dopamine neurons. <i>Neuroscience</i> , 2000 , 96, 299-307	3.9	46
382	Endogenous GABA mediates presynaptic inhibition of spontaneous and evoked excitatory synaptic potentials in the rat neostriatum. <i>Neuroscience Letters</i> , 1990 , 118, 99-102	3.3	46
381	Dysfunctional dopaminergic neurotransmission in asocial BTBR mice. <i>Translational Psychiatry</i> , 2014 , 4, e427	8.6	45
380	Responses of rat substantia nigra compacta neurones to L-DOPA. <i>British Journal of Pharmacology</i> , 1990 , 100, 257-60	8.6	45
379	Transcranial magnetic stimulation predicts cognitive decline in patients with Alzheimer's disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2018 , 89, 1237-1242	5.5	44
378	Posterior Reversible Encephalopathy Syndrome after Hematopoietic Cell Transplantation in Children with Hemoglobinopathies. <i>Biology of Blood and Marrow Transplantation</i> , 2017 , 23, 1531-1540	4.7	44
377	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	7.5	44
376	The mechanism of amphetamine-induced inhibition of rat substantia nigra compacta neurones investigated with intracellular recording in vitro. <i>British Journal of Pharmacology</i> , 1989 , 98, 127-34	8.6	44
375	Rotigotine may improve sleep architecture in Parkinson's disease: a double-blind, randomized, placebo-controlled polysomnographic study. <i>Sleep Medicine</i> , 2016 , 21, 140-4	4.6	42

374	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	7.5	42
373	Chronic cocaine prevents depotentiation at corticostriatal synapses. <i>Biological Psychiatry</i> , 2006 , 60, 436-43	4.3	42
372	Electrophysiological actions of felbamate on rat striatal neurones. <i>British Journal of Pharmacology</i> , 1995 , 116, 2053-61	8.6	42
371	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	5.6	42
370	Cognitive impairment and dentate gyrus synaptic dysfunction in experimental parkinsonism. <i>Biological Psychiatry</i> , 2014 , 75, 701-10	7.9	41
369	Synaptic plasticity, dopamine and Parkinson's disease: one step ahead. <i>Brain</i> , 2009 , 132, 285-7	11.2	41
368	The role of dopaminergic midbrain in Alzheimer's disease: Translating basic science into clinical practice. <i>Pharmacological Research</i> , 2018 , 130, 414-419	10.2	40
367	Epileptiform discharge induced by 4-aminopyridine in magnesium-free medium in neocortical neurons: physiological and pharmacological characterization. <i>Neuroscience</i> , 1997 , 81, 189-97	3.9	40
366	Effects of riluzole on rat cortical neurones: an in vitro electrophysiological study. <i>British Journal of Pharmacology</i> , 1997 , 120, 225-30	8.6	40
365	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, 505-14	5.7	40
364	Excessive and precocious glutamate release in a mouse model of amyotrophic lateral sclerosis. <i>Neuropharmacology</i> , 2004 , 46, 782-92	5.5	40
363	Self-reported needs of patients with Parkinson's disease during COVID-19 emergency in Italy. <i>Neurological Sciences</i> , 2020 , 41, 1373-1375	3.5	39
362	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	6.6	39
361	Free D-aspartate regulates neuronal dendritic morphology, synaptic plasticity, gray matter volume and brain activity in mammals. <i>Translational Psychiatry</i> , 2014 , 4, e417	8.6	39
360	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, 447-52	2.8	39
359	Inhibitory effects of trace amines on rat midbrain dopaminergic neurons. <i>Neuropharmacology</i> , 2004 , 46, 807-14	5.5	39
358	Group I metabotropic glutamate receptors activate burst firing in rat midbrain dopaminergic neurons. <i>Neuropharmacology</i> , 2002 , 42, 289-96	5.5	39
357	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, 2490-7	3.2	39

356	Presynaptic muscarinic (M3) receptors reduce excitatory transmission in dopamine neurons of the rat mesencephalon. <i>Neuroscience</i> , 1999 , 91, 557-65	3.9	39
355	Lithium treatment blocks long-term synaptic depression in the striatum. <i>Neuron</i> , 1993 , 10, 955-62	13.9	39
354	Systemic activation of Nrf2 pathway in Parkinson's disease. <i>Movement Disorders</i> , 2020 , 35, 180-184	7	39
353	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, 603-7	3.1	38
352	Is autonomic nervous system involved in restless legs syndrome during wakefulness?. <i>Sleep Medicine</i> , 2014 , 15, 1392-7	4.6	37
351	Chronic cocaine sensitizes striatal GABAergic synapses to the stimulation of cannabinoid CB1 receptors. <i>European Journal of Neuroscience</i> , 2007 , 25, 1631-40	3.5	37
350	Altered long-term corticostriatal synaptic plasticity in transgenic mice overexpressing human CU/ZN superoxide dismutase (GLY(93)-->ALA) mutation. <i>Neuroscience</i> , 2003 , 118, 399-408	3.9	37
349	LTP-like cortical plasticity is associated with verbal memory impairment in Alzheimer's disease patients. <i>Brain Stimulation</i> , 2019 , 12, 148-151	5.1	37
348	Early structural and functional plasticity alterations in a susceptibility period of DYT1 dystonia mouse striatum. <i>ELife</i> , 2018 , 7,	8.9	37
347	Presynaptic c-Jun N-terminal Kinase 2 regulates NMDA receptor-dependent glutamate release. <i>Scientific Reports</i> , 2015 , 5, 9035	4.9	36
346	Neurotensin induces an inward current in rat mesencephalic dopaminergic neurons. <i>Neuroscience Letters</i> , 1993 , 153, 192-6	3.3	36
345	Heart rate variability in untreated newly diagnosed temporal lobe epilepsy: Evidence for ictal sympathetic dysregulation. <i>Epilepsia</i> , 2016 , 57, 418-26	6.4	36
344	From Traumatic Childhood to Cocaine Abuse: The Critical Function of the Immune System. <i>Biological Psychiatry</i> , 2018 , 84, 905-916	7.9	35
343	Over-expression of N-type calcium channels in cortical neurons from a mouse model of Amyotrophic Lateral Sclerosis. <i>Experimental Neurology</i> , 2013 , 247, 349-58	5.7	35
342	Evidence of hydrogen sulfide involvement in amyotrophic lateral sclerosis. <i>Annals of Neurology</i> , 2015 , 77, 697-709	9.4	35
341	Transmitter release associated with long-term synaptic depression in rat corticostriatal slices. <i>European Journal of Neuroscience</i> , 1995 , 7, 1889-94	3.5	35
340	Amyloid-Mediated Cholinergic Dysfunction in Motor Impairment Related to Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2018 , 64, 525-532	4.3	34
339	Calcineurin inhibition rescues early synaptic plasticity deficits in a mouse model of Alzheimer's disease. <i>NeuroMolecular Medicine</i> , 2013 , 15, 541-8	4.6	34

338	Dual effects of L-DOPA on nigral dopaminergic neurons. <i>Experimental Neurology</i> , 2013 , 247, 582-94	5.7	34
337	CSF beta-amyloid levels are altered in narcolepsy: a link with the inflammatory hypothesis?. <i>Journal of Sleep Research</i> , 2014 , 23, 420-4	5.8	34
336	Ethanol enhances GABAB-mediated inhibitory postsynaptic transmission on rat midbrain dopaminergic neurons by facilitating GIRK currents. <i>European Journal of Neuroscience</i> , 2009 , 29, 1369-77	3.5	34
335	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	3.2	33
334	In vivo mapping of brainstem nuclei functional connectivity disruption in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2018 , 72, 72-82	5.6	33
333	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	3.5	33
332	Dopaminergic dysfunction is associated with IL-1 β -dependent mood alterations in experimental autoimmune encephalomyelitis. <i>Neurobiology of Disease</i> , 2015 , 74, 347-58	7.5	33
331	Monoamine oxidase inhibition causes a long-term prolongation of the dopamine-induced responses in rat midbrain dopaminergic cells. <i>Journal of Neuroscience</i> , 1997 , 17, 2267-72	6.6	33
330	alpha-Amino-3-hydroxy-5-methyl-isoxazole-4-propionate receptors in spinal cord motor neurons are altered in transgenic mice overexpressing human Cu,Zn superoxide dismutase (Gly93-->Ala) mutation. <i>Neuroscience</i> , 2003 , 122, 47-58	3.9	33
329	Alpha(1)-adrenoceptor-mediated excitation of substantia nigra pars reticulata neurons. <i>Neuroscience</i> , 2000 , 98, 599-604	3.9	33
328	A voltage-clamp analysis of NMDA-induced responses on dopaminergic neurons of the rat substantia nigra zona compacta and ventral tegmental area. <i>Brain Research</i> , 1992 , 593, 51-6	3.7	33
327	Dystonia as a network disorder: a concept in evolution. <i>Current Opinion in Neurology</i> , 2018 , 31, 498-503	7.1	32
326	Intracellular sodium and calcium homeostasis during hypoxia in dopamine neurons of rat substantia nigra pars compacta. <i>Journal of Neurophysiology</i> , 1998 , 80, 2237-43	3.2	32
325	Selective depression of synaptic transmission by tetanus toxin: a comparative study on hippocampal and neostriatal slices. <i>Neuroscience</i> , 1989 , 30, 663-70	3.9	32
324	Electrical stimulation of mesencephalic cell groups (A9-A10) produces monosynaptic excitatory potentials in rat frontal cortex. <i>Brain Research</i> , 1985 , 338, 192-5	3.7	32
323	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	4.6	32
322	Rapid constitutive and ligand-activated endocytic trafficking of P2X receptor. <i>Journal of Neurochemistry</i> , 2009 , 109, 1031-41	6	31
321	Neuroprotective effect of hydrogen peroxide on an in vitro model of brain ischaemia. <i>British Journal of Pharmacology</i> , 2008 , 153, 1022-9	8.6	31

320	GABA depolarizes neurons in the rat striatum: an in vivo study. <i>Synapse</i> , 1991 , 8, 38-40	2.4	31
319	PINK1 heterozygous mutations induce subtle alterations in dopamine-dependent synaptic plasticity. <i>Movement Disorders</i> , 2014 , 29, 41-53	7	30
318	Current Concepts on the Physiopathological Relevance of Dopaminergic Receptors. <i>Frontiers in Cellular Neuroscience</i> , 2017 , 11, 27	6.1	30
317	Trace amines depress GABA B response in dopaminergic neurons by inhibiting G-beta-gamma-gated inwardly rectifying potassium channels. <i>Molecular Pharmacology</i> , 2005 , 67, 1283-90	4.3	30
316	Identification of distinct cellular pools of interleukin-1beta during the evolution of the neuroinflammatory response induced by transient middle cerebral artery occlusion in the brain of rat. <i>Brain Research</i> , 2010 , 1313, 259-69	3.7	29
315	Acute effects of 6-hydroxydopamine on dopaminergic neurons of the rat substantia nigra pars compacta in vitro. <i>NeuroToxicology</i> , 2005 , 26, 869-81	4.4	29
314	Increase in plasma homocysteine levels induced by drug treatments in neurologic patients. <i>Pharmacological Research</i> , 2005 , 52, 367-75	10.2	29
313	Cellular localization of TRPC3 channel in rat brain: preferential distribution to oligodendrocytes. <i>Neuroscience Letters</i> , 2004 , 365, 137-42	3.3	29
312	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	2.2	29
311	The protective role of catalase against cerebral ischemia in vitro and in vivo. <i>International Journal of Immunopathology and Pharmacology</i> , 2011 , 24, 735-47	3	28
310	Reelin haploinsufficiency reduces the density of PV+ neurons in circumscribed regions of the striatum and selectively alters striatal-based behaviors. <i>Psychopharmacology</i> , 2009 , 204, 511-21	4.7	28
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2	Perampanel effects on cognition and quantitative EEG in patients with epilepsy. <i>Epilepsy and Behavior</i> , 2021 , 117, 107803	3.2	
1	3,4-Methylenedioxymethamphetamine (MDMA) and Synaptic Dopamine 2022 , 1-19		