

Michael F Salvatore

List of Publications by Year in descending order

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36
papers

1,375
citations

331642

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345203

36
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all docs

36
docs citations

36
times ranked

1547
citing authors

#	ARTICLE	IF	CITATIONS
1	Point source concentration of GDNF may explain failure of phase II clinical trial. <i>Experimental Neurology</i> , 2006, 202, 497-505.	4.1	219
2	Striatal GDNF administration increases tyrosine hydroxylase phosphorylation in the rat striatum and substantia nigra. <i>Journal of Neurochemistry</i> , 2004, 90, 245-254.	3.9	97
3	Depolarization-stimulated catecholamine biosynthesis: involvement of protein kinases and tyrosine hydroxylase phosphorylation sites in situ. <i>Journal of Neurochemistry</i> , 2008, 79, 349-360.	3.9	94
4	Chronic methamphetamine exposure produces a delayed, long-lasting memory deficit. <i>Synapse</i> , 2013, 67, 245-257.	1.2	73
5	Ceftriaxone increases glutamate uptake and reduces striatal tyrosine hydroxylase loss in 6-OHDA Parkinson's model. <i>Molecular Neurobiology</i> , 2014, 49, 1282-1292.	4.0	71
6	Decreased plasma membrane expression of striatal dopamine transporter in aging. <i>Neurobiology of Aging</i> , 2003, 24, 1147-1154.	3.1	59
7	Regulation of Tyrosine Hydroxylase Expression and Phosphorylation in Dopamine Transporter-Deficient Mice. <i>ACS Chemical Neuroscience</i> , 2016, 7, 941-951.	3.5	57
8	Aging Reveals a Role for Nigral Tyrosine Hydroxylase ser31 Phosphorylation in Locomotor Activity Generation. <i>PLoS ONE</i> , 2009, 4, e8466.	2.5	56
9	Dichotomy of Tyrosine Hydroxylase and Dopamine Regulation between Somatodendritic and Terminal Field Areas of Nigrostriatal and Mesoaccumbens Pathways. <i>PLoS ONE</i> , 2012, 7, e29867.	2.5	56
10	Dopamine Transporter Loss in 6-OHDA Parkinson's Model Is Unmet by Parallel Reduction in Dopamine Uptake. <i>PLoS ONE</i> , 2012, 7, e52322.	2.5	48
11	Ceftriaxone reduces dopamine-induced dyskinesia severity in 6-hydroxydopamine parkinson's disease model. <i>Movement Disorders</i> , 2017, 32, 1547-1556.	3.9	42
12	Reduced plasma membrane surface expression of GLAST mediates decreased glutamate regulation in the aged striatum. <i>Neurobiology of Aging</i> , 2007, 28, 1737-1748.	3.1	39
13	Social enrichment attenuates nigrostriatal lesioning and reverses motor impairment in a progressive 1-methyl-2-phenyl-1,2,3,6-tetrahydropyridine (MPTP) mouse model of Parkinson's disease. <i>Neurobiology of Disease</i> , 2012, 45, 1051-1067.	4.4	39
14	ser31 tyrosine hydroxylase phosphorylation parallels differences in dopamine recovery in nigrostriatal pathway following 6-OHDA lesion. <i>Journal of Neurochemistry</i> , 2014, 129, 548-558.	3.9	37
15	Neurochemical investigations of dopamine neuronal systems in iron-regulatory protein 2 (IRP-2) knockout mice. <i>Molecular Brain Research</i> , 2005, 139, 341-347.	2.3	36
16	Nigral GFR α 1 Infusion in Aged Rats Increases Locomotor Activity, Nigral Tyrosine Hydroxylase, and Dopamine Content in Synchronicity. <i>Molecular Neurobiology</i> , 2013, 47, 988-999.	4.0	34
17	Bilateral effects of unilateral GDNF administration on dopamine- and GABA-regulating proteins in the rat nigrostriatal system. <i>Experimental Neurology</i> , 2009, 219, 197-207.	4.1	31
18	Comprehensive Profiling of Dopamine Regulation in Substantia Nigra and Ventral Tegmental Area. <i>Journal of Visualized Experiments</i> , 2012, , .	0.3	30

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19	Biphasic dopamine regulation in mesoaccumbens pathway in response to non-contingent binge and escalating methamphetamine regimens in the Wistar rat. <i>Psychopharmacology</i> , 2011, 215, 513-526.	3.1	25
20	Dissociation of Striatal Dopamine and Tyrosine Hydroxylase Expression from Aging-Related Motor Decline: Evidence from Calorie Restriction Intervention. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 11-20.	3.6	25
21	Transient striatal GLT-1 blockade increases EAAC1 expression, glutamate reuptake, and decreases tyrosine hydroxylase phosphorylation at ser19. <i>Experimental Neurology</i> , 2012, 234, 428-436.	4.1	24
22	Tyrosine Hydroxylase Inhibition in Substantia Nigra Decreases Movement Frequency. <i>Molecular Neurobiology</i> , 2019, 56, 2728-2740.	4.0	24
23	Initiation of calorie restriction in middle-aged male rats attenuates aging-related motoric decline and bradykinesia without increased striatal dopamine. <i>Neurobiology of Aging</i> , 2016, 37, 192-207.	3.1	23
24	Norepinephrine Transporter Inhibition with Desipramine Exacerbates L-DOPA-Induced Dyskinesia: Role for Synaptic Dopamine Regulation in Denervated Nigrostriatal Terminals. <i>Molecular Pharmacology</i> , 2014, 86, 675-685.	2.3	20
25	GFR $\alpha 1$ receptor expression in the aging nigrostriatal and mesoaccumbens pathways. <i>Journal of Neurochemistry</i> , 2010, 115, 707-715.	3.9	17
26	Exercise-Mediated Increase in Nigral Tyrosine Hydroxylase Is Accompanied by Increased Nigral GFR $\alpha 1$ and EAAC1 Expression in Aging Rats. <i>ACS Chemical Neuroscience</i> , 2016, 7, 227-239.	3.5	17
27	Bilateral effects of unilateral intrastratial GDNF on locomotor-excited and nonlocomotor-related striatal neurons in aged F344 rats. <i>Neurobiology of Aging</i> , 2007, 28, 156-165.	3.1	13
28	Getting to Compliance in Forced Exercise in Rodents: A Critical Standard to Evaluate Exercise Impact in Aging-related Disorders and Disease. <i>Journal of Visualized Experiments</i> , 2014, , .	0.3	13
29	Aging-related limit of exercise efficacy on motor decline. <i>PLoS ONE</i> , 2017, 12, e0188538.	2.5	13
30	Prolonged increase in ser31 tyrosine hydroxylase phosphorylation in substantia nigra following cessation of chronic methamphetamine. <i>NeuroToxicology</i> , 2018, 67, 121-128.	3.0	9
31	Constitutive Ret signaling leads to long-lasting expression of amphetamine-induced place conditioning via elevation of mesolimbic dopamine. <i>Neuropharmacology</i> , 2018, 128, 221-230.	4.1	7
32	Modulation of nigral dopamine signaling mitigates parkinsonian signs of aging: evidence from intervention with calorie restriction or inhibition of dopamine uptake. <i>GeroScience</i> , 2023, 45, 45-63.	4.6	7
33	Peripheral and cognitive signs: delineating the significance of impaired catecholamine metabolism in Parkinson's disease progression. <i>Journal of Neurochemistry</i> , 2014, 131, 129-133.	3.9	6
34	GFR $\alpha 1$ Expression in Substantia Nigra Increases Bilaterally Following Unilateral Striatal GDNF in Aged Rats and Attenuates Nigral Tyrosine Hydroxylase Loss Following 6-OHDA Nigrostriatal Lesion. <i>ACS Chemical Neuroscience</i> , 2019, 10, 4237-4249.	3.5	6
35	Establishing Equivalent Aerobic Exercise Parameters Between Early-Stage Parkinson's Disease and Pink1 Knockout Rats. <i>Journal of Parkinson's Disease</i> , 2022, 12, 1897-1915.	2.8	5
36	Cardiovascular Metrics Associated With Prevention of Aging-Related Parkinsonian Signs Following Exercise Intervention in Sedentary Older Rats. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 775355.	3.4	3