Francesco Napolitano

List of Publications by Citations

49 papers	1,525 citations	24 h-index	38 g-index
55 ext. papers	1,763 ext. citations	5.9 avg, IF	3.86 L-index

#	Paper	IF	Citations
49	D-aspartate prevents corticostriatal long-term depression and attenuates schizophrenia-like symptoms induced by amphetamine and MK-801. *Journal of Neuroscience*, **2008**, 28, 10404-14	6.6	86
48	Palmitoylethanolamide reduces pain-related behaviors and restores glutamatergic synapses homeostasis in the medial prefrontal cortex of neuropathic mice. *Molecular Brain*, **2015**, 8, 47	4.5	83
47	Rhes, a striatal-enriched small G protein, mediates mTOR signaling and L-DOPA-induced dyskinesia. *Nature Neuroscience*, **2011**, 15, 191-3	25.5	79
46	Dopamine D2 receptor dysfunction is rescued by adenosine A2A receptor antagonism in a model of DYT1 dystonia. *Neurobiology of Disease*, **2010**, 38, 434-45	7.5	75
45	Interleukin-1β causes anxiety by interacting with the endocannabinoid system. *Journal of Neuroscience*, **2012**, 32, 13896-905	6.6	72
44	The A1 adenosine receptor as a new player in microglia physiology. *Glia*, **2014**, 62, 122-32	9	71
43	Decreased levels of D-aspartate and NMDA in the prefrontal cortex and striatum of patients with schizophrenia. *Journal of Psychiatric Research*, **2013**, 47, 1432-7	5.2	67
42	New insights on the role of free D-aspartate in the mammalian brain. *Amino Acids*, **2012**, 43, 1861-71	3.5	66
41	DRD2/AKT1 interaction on D2 c-AMP independent signaling, attentional processing, and response to olanzapine treatment in schizophrenia. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 1158-63	11.5	65
40	Increased D-aspartate brain content rescues hippocampal age-related synaptic plasticity deterioration of mice. *Neurobiology of Aging*, **2011**, 32, 2229-43	5.6	59
39	Brain-derived neurotrophic factor controls cannabinoid CB1 receptor function in the striatum. *Journal of Neuroscience*, **2010**, 30, 8127-37	6.6	54
38	Role of aberrant striatal dopamine D1 receptor/cAMP/protein kinase A/DARPP32 signaling in the paradoxical calming effect of amphetamine. *Journal of Neuroscience*, **2010**, 30, 11043-56	6.6	53
37	Persistent increase of D-aspartate in D-aspartate oxidase mutant mice induces a precocious hippocampal age-dependent synaptic plasticity and spatial memory decay. *Neurobiology of Aging*, **2011**, 32, 2061-74	5.6	51
36	Association of GSK-3β genetic variation with GSK-3β expression, prefrontal cortical thickness, prefrontal physiology, and schizophrenia. *American Journal of Psychiatry*, **2013**, 170, 868-76	11.9	50
35	Dysfunctional dopaminergic neurotransmission in asocial BTBR mice. *Translational Psychiatry*, **2014**, 4, e427	8.6	45
34	BDNF over-expression induces striatal serotonin fiber sprouting and increases the susceptibility to l-DOPA-induced dyskinesia in 6-OHDA-lesioned rats. *Experimental Neurology*, **2017**, 297, 73-81	5.7	41
33	Essential roles for Fe65, Alzheimer amyloid precursor-binding protein, in the cellular response to DNA damage. *Journal of Biological Chemistry*, **2007**, 282, 831-5	5.4	39

32	Decreased free d-aspartate levels are linked to enhanced d-aspartate oxidase activity in the dorsolateral prefrontal cortex of schizophrenia patients. *NPJ Schizophrenia*, **2017**, 3, 16	5.5	38
31	Modulation of serotonergic transmission by eltoprazine in L-DOPA-induced dyskinesia: Behavioral, molecular, and synaptic mechanisms. *Neurobiology of Disease*, **2016**, 86, 140-53	7.5	37
30	A role for D-aspartate oxidase in schizophrenia and in schizophrenia-related symptoms induced by phencyclidine in mice. *Translational Psychiatry*, **2015**, 5, e512	8.6	34
29	Higher free D-aspartate and N-methyl-D-aspartate levels prevent striatal depotentiation and anticipate L-DOPA-induced dyskinesia. *Experimental Neurology*, **2011**, 232, 240-50	5.7	34
28	Perturbation of Serotonin Homeostasis during Adulthood Affects Serotonergic Neuronal Circuitry. *ENeuro*, **2017**, 4,	3.9	28
27	Rhes influences striatal cAMP/PKA-dependent signaling and synaptic plasticity in a gender-sensitive fashion. *Scientific Reports*, **2015**, 5, 10933	4.9	27
26	Rabphilin 3A: A novel target for the treatment of levodopa-induced dyskinesias. *Neurobiology of Disease*, **2017**, 108, 54-64	7.5	26
25	D-aspartate: an atypical amino acid with neuromodulatory activity in mammals. *Reviews in the Neurosciences*, **2009**, 20, 429-40	4.7	24
24	Notch activation induces neurite remodeling and functional modifications in SH-SY5Y neuronal cells. *Developmental Neurobiology*, **2009**, 69, 378-91	3.2	21
23	Rhes regulates dopamine D2 receptor transmission in striatal cholinergic interneurons. *Neurobiology of Disease*, **2015**, 78, 146-61	7.5	19
22	Loss of striatal cannabinoid CB1 receptor function in attention-deficit / hyperactivity disorder mice with point-mutation of the dopamine transporter. *European Journal of Neuroscience*, **2011**, 34, 1369-77	3.5	18
21	Rasd2 Modulates Prefronto-Striatal Phenotypes in Humans and Schizophrenia-Like Behaviors in Mice. *Neuropsychopharmacology*, **2016**, 41, 916-27	8.7	16
20	Genetic deletion of Rhes or pharmacological blockade of mTORC1 prevent striato-nigral neurons activation in levodopa-induced dyskinesia. *Neurobiology of Disease*, **2016**, 85, 155-163	7.5	15
19	Lack of Rhes Increases MDMA-Induced Neuroinflammation and Dopamine Neuron Degeneration: Role of Gender and Age. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	13
18	Serotonin depletion causes valproate-responsive manic-like condition and increased hippocampal neuroplasticity that are reversed by stress. *Scientific Reports*, **2018**, 8, 11847	4.9	13
17	The Thyroid Hormone-target Gene Rhes a Novel Crossroad for Neurological and Psychiatric Disorders: New Insights from Animal Models. *Neuroscience*, **2018**, 384, 419-428	3.9	12
16	A2A adenosine receptor antagonism enhances synaptic and motor effects of cocaine via CB1 cannabinoid receptor activation. *PLoS ONE*, **2012**, 7, e38312	3.7	12
15	Decreased Rhes mRNA levels in the brain of patients with Parkinson's disease and MPTP-treated macaques. *PLoS ONE*, **2017**, 12, e0181677	3.7	12

14	The Small GTP-Binding Protein Rhes Influences Nigrostriatal-Dependent Motor Behavior During Aging. *Movement Disorders*, **2016**, 31, 583-9	7	10
13	Rapamycin, by Inhibiting mTORC1 Signaling, Prevents the Loss of Striatal Bidirectional Synaptic Plasticity in a Rat Model of L-DOPA-Induced Dyskinesia. *Frontiers in Aging Neuroscience*, **2020**, 12, 230	5.3	10
12	Essential oil composition of Teucrium divaricatum Sieb. ssp. villosum (Celak.) Rech. fil. growing wild in Lebanon. *Journal of Medicinal Food*, **2010**, 13, 1281-5	2.8	8
11	Rhes Counteracts Dopamine Neuron Degeneration and Neuroinflammation Depending on Gender and Age. *Frontiers in Aging Neuroscience*, **2018**, 10, 163	5.3	6
10	The striatal-enriched protein Rhes is a critical modulator of cocaine-induced molecular and behavioral responses. *Scientific Reports*, **2019**, 9, 15294	4.9	5
9	Identification of a cDNA encoding for Ghrelin in the testis of the frog Pelophylax esculentus and its involvement in spermatogenesis. *Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology*, **2011**, 158, 367-73	2.6	5
8	A differential proteomic approach reveals an evolutionary conserved regulation of Nme proteins by Fe65 in C. elegans and mouse. *Neurochemical Research*, **2008**, 33, 2547-55	4.6	5
7	Chemical Composition and Antibacterial Activity of Extracts of Helleborus bocconei Ten. subsp. intermedius. *Natural Product Communications*, **2007**, 2, 1934578X0700200	0.9	4
6	Role of Aquaporins in the Physiological Functions of Mesenchymal Stem Cells. *Cells*, **2020**, 9,	7.9	4
5	Striatal spreading depolarization: Possible implication in levodopa-induced dyskinetic-like behavior. *Movement Disorders*, **2019**, 34, 832-844	7	4
4	Involvement of the Protein Ras Homolog Enriched in the Striatum, Rhes, in Dopaminergic NeuronsX Degeneration: Link to ParkinsonX Disease. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
3	Triple-Negative Breast Cancer Comparison With Canine Mammary Tumors From Light Microscopy to Molecular Pathology. *Frontiers in Oncology*, **2020**, 10, 563779	5.3	2
2	Inhibition of PID1/NYGGF4/PCLI1 gene expression highlights its role in the early events of the cell cycle in NIH3T3 fibroblasts. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2016**, 31, 45-53	5.6	1
1	An Interdisciplinary Approach for Compulsive Behavior in Dogs: A Case Report.. *Frontiers in Veterinary Science*, **2022**, 9, 801636	3.1	1