

Paola Tirassa

List of Publications by Year in descending order

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85
papers

2,621
citations

172207

29
h-index

233125

45
g-index

86
all docs

86
docs citations

86
times ranked

2659
citing authors

#	ARTICLE	IF	CITATIONS
1	Emotional stress induced by parachute jumping enhances blood nerve growth factor levels and the distribution of nerve growth factor receptors in lymphocytes.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 10440-10444.	3.3	241
2	Social deprivation stress is a triggering factor for the emergence of anxiety- and depression-like behaviours and leads to reduced brain BDNF levels in C57BL/6J mice. Psychoneuroendocrinology, 2012, 37, 762-772.	1.3	179
3	The topical application of nerve growth factor as a pharmacological tool for human corneal and skin ulcers. Pharmacological Research, 2008, 57, 253-258.	3.1	83
4	Pharmacokinetics of Conjunctivally Applied Nerve Growth Factor in the Retina and Optic Nerve of Adult Rats. , 2005, 46, 3800.		78
5	High-dose anabolic androgenic steroids modulate concentrations of nerve growth factor and expression of its low affinity receptor (p75-NGFr) in male rat brain. , 1997, 47, 198-207.		75
6	Apoptotic PC12 Cells Exposing Phosphatidylserine Promote the Production of Anti-Inflammatory and Neuroprotective Molecules by Microglial Cells. Journal of Neuropathology and Experimental Neurology, 2003, 62, 208-216.	0.9	67
7	The effect of long-term alcohol intake on brain NGF-target cells of aged rats. Alcohol, 1992, 9, 299-304.	0.8	57
8	Nerve Growth Factor in Neurological and Non-Neurological Diseases: Basic Findings and Emerging Pharmacological Perspectives. Current Pharmaceutical Design, 2001, 7, 113-123.	0.9	56
9	Nerve growth factor released into the bloodstream following intraspecific fighting induces mast cell degranulation in adult male mice. Brain, Behavior, and Immunity, 1990, 4, 74-81.	2.0	55
10	Brain NGF and EGF administration improves passive avoidance response and stimulates brain precursor cells in aged male mice. Physiology and Behavior, 2002, 77, 437-443.	1.0	53
11	EGF and NGF injected into the brain of old mice enhance BDNF and ChAT in proliferating subventricular zone. Journal of Neuroscience Research, 2003, 72, 557-564.	1.3	53
12	Eye drop NGF administration promotes the recovery of chemically injured cholinergic neurons of adult mouse forebrain. European Journal of Neuroscience, 2007, 26, 2473-2480.	1.2	53
13	Paternal alcohol exposure in mice alters brain NGF and BDNF and increases ethanol-elicited preference in male offspring. Addiction Biology, 2016, 21, 776-787.	1.4	51
14	OVEREXPRESSION OF TUMOUR NECROSIS FACTOR $\hat{1}$ IN THE BRAIN OF TRANSGENIC MICE DIFFERENTIALLY ALTERS NERVE GROWTH FACTOR LEVELS AND CHOLINE ACETYLTRANSFERASE ACTIVITY. Cytokine, 1999, 11, 45-54.	1.4	50
15	Early exposure to ethanol or red wine and long-lasting effects in aged mice. A study on nerve growth factor, brain-derived neurotrophic factor, hepatocyte growth factor, and vascular endothelial growth factor. Neurobiology of Aging, 2012, 33, 359-367.	1.5	50
16	Agonistic encounters in aged male mouse potentiate the expression of endogenous brain NGF and BDNF: possible implication for brain progenitor cells' activation. European Journal of Neuroscience, 2003, 17, 1455-1464.	1.2	49
17	NGF and BDNF Alterations by Prenatal Alcohol Exposure. Current Neuropharmacology, 2019, 17, 308-317.	1.4	47
18	Nerve Growth Factor Role on Retinal Ganglion Cell Survival and Axon Regrowth: Effects of Ocular Administration in Experimental Model of Optic Nerve Injury. Molecular Neurobiology, 2019, 56, 1056-1069.	1.9	42

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19	The effect of chronic ethanol intake on brain NGF level and on NGF-target tissues of adult mice. <i>Drug and Alcohol Dependence</i> , 1993, 31, 159-167.	1.6	40
20	Changes in Human Plasma Nerve Growth Factor Level after Chronic Alcohol Consumption and Withdrawal. <i>Alcoholism: Clinical and Experimental Research</i> , 1996, 20, 462-465.	1.4	40
21	Increased circulating nerve growth factor is directly correlated with disease activity in juvenile chronic arthritis.. <i>Annals of the Rheumatic Diseases</i> , 1996, 55, 745-748.	0.5	38
22	RT-PCR ELISA method for the analysis of neurotrophin mRNA expression in brain and peripheral tissues. <i>Journal of Biotechnology</i> , 2000, 84, 259-272.	1.9	38
23	Nerve growth factor eye drops improve visual acuity and electrofunctional activity in age-related macular degeneration: a case report. <i>Annali Dell'Istituto Superiore Di Sanita</i> , 2009, 45, 439-42.	0.2	38
24	Nerve growth factor stimulates production of neuropeptide Y in human lymphocytes. <i>NeuroReport</i> , 1996, 7, 485-488.	0.6	37
25	Schizophrenia and neurogenesis: A stem cell approach. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 80, 414-442.	2.9	36
26	Nerve growth factor and neuropeptides circulating levels in systemic sclerosis (scleroderma). <i>Annals of the Rheumatic Diseases</i> , 2001, 60, 487-494.	0.5	35
27	mRNA for NGF and p75 in the central nervous system of rats affected by experimental allergic encephalomyelitis. <i>Neuropathology and Applied Neurobiology</i> , 1996, 22, 54-59.	1.8	33
28	Cholecystokinin-8 protects central cholinergic neurons against fimbria-fornix lesion through the up-regulation of nerve growth factor synthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 6473-6477.	3.3	33
29	Ethylglucuronide in the urine as a marker of alcohol consumption during pregnancy: Comparison with four alcohol screening questionnaires. <i>Toxicology Letters</i> , 2017, 275, 49-56.	0.4	33
30	Schistosoma mansoni infection enhances the levels of NGF in the liver and hypothalamus of mice. <i>NeuroReport</i> , 1994, 5, 1030-1032.	0.6	30
31	Ocular Nerve Growth Factor (NGF) and NGF Eye Drop Application as Paradigms to Investigate NGF Neuroprotective and Reparative Actions. <i>Methods in Molecular Biology</i> , 2018, 1727, 19-38.	0.4	30
32	Nerve Growth Factor, Stress and Diseases. <i>Current Medicinal Chemistry</i> , 2021, 28, 2943-2959.	1.2	29
33	NPY Intraperitoneal Injections Produce Antidepressant-Like Effects and Downregulate BDNF in the Rat Hypothalamus. <i>CNS Neuroscience and Therapeutics</i> , 2012, 18, 487-492.	1.9	28
34	Cold water swimming stress alters NGF and low-affinity NGF receptor distribution in developing rat brain. <i>Brain Research Bulletin</i> , 1994, 33, 173-178.	1.4	27
35	CCK-8 prevents the development of kindling and regulates the GABA and NPY expression in the hippocampus of pentylenetetrazole (PTZ)-treated adult rats. <i>Neuropharmacology</i> , 2005, 48, 732-742.	2.0	26
36	TNF- α and IL-10 modulation induced by polyphenols extracted by olive pomace in a mouse model of paw inflammation. <i>Annali Dell'Istituto Superiore Di Sanita</i> , 2015, 51, 382-6.	0.2	26

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37	Cholecystokinin-8 regulation of NGF concentrations in adult mouse brain through a mechanism involving CCKA and CCKB receptors. <i>British Journal of Pharmacology</i> , 1998, 123, 1230-1236.	2.7	25
38	Cancer stem cells-driven tumor growth and immune escape: the Janus face of neurotrophins. <i>Aging</i> , 2019, 11, 11770-11792.	1.4	25
39	Intraocular production and release of nerve growth factor after iridectomy. <i>Investigative Ophthalmology and Visual Science</i> , 2002, 43, 2334-40.	3.3	25
40	Role of neurotrophins in pregnancy, delivery and postpartum. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2020, 247, 32-41.	0.5	24
41	Serum NGF levels increase during lactation and following maternal aggression in mice. <i>Physiology and Behavior</i> , 1996, 59, 461-466.	1.0	23
42	Daily serum and salivary BDNF levels correlate with morning-evening personality type in women and are affected by light therapy. <i>Rivista Di Psichiatria</i> , 2012, 47, 527-34.	0.6	23
43	Nerve growth factor in the psychiatric brain. <i>Rivista Di Psichiatria</i> , 2020, 55, 4-15.	0.6	23
44	Levels of NGF, p75NGFR and ChAT immunoreactivity in brain of adult and aged microencephalic rats. <i>Neurobiology of Aging</i> , 1996, 17, 137-142.	1.5	22
45	Time-Dependent Nerve Growth Factor Signaling Changes in the Rat Retina During Optic Nerve Crush-Induced Degeneration of Retinal Ganglion Cells. <i>International Journal of Molecular Sciences</i> , 2017, 18, 98.	1.8	22
46	Behavioural Anxiolytic Effects of Low-Dose Anabolic Androgenic Steroid Treatment in Rats. <i>Physiology and Behavior</i> , 1999, 66, 503-509.	1.0	21
47	CCK-8 induces NGF and BDNF synthesis and modulates TrkA and TrkB expression in the rat hippocampus and septum: Effects on kindling development. <i>Neurochemistry International</i> , 2007, 50, 130-138.	1.9	20
48	Brain and Serum Levels of Nerve Growth Factor in a Rat Model of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2011, 25, 213-217.	1.2	20
49	NGF and BDNF long-term variations in the thyroid, testis and adrenal glands of a mouse model of fetal alcohol spectrum disorders. <i>Annali Dell'Istituto Superiore Di Sanita</i> , 2013, 49, 383-90.	0.2	20
50	Effect of NGF antibodies on mast cell distribution, histamine and substance P levels in the knee joint of TNF-arthritic transgenic mice. <i>Rheumatology International</i> , 1995, 14, 249-252.	1.5	19
51	Presence of nerve growth factor and TrkA expression in the SVZ of EAE rats: evidence for a possible functional significance. <i>Experimental Neurology</i> , 2005, 191, 53-64.	2.0	19
52	Modification of lymphoid and brain nerve growth factor levels in systemic lupus erythematosus mice. <i>Neuroscience Letters</i> , 1996, 204, 13-16.	1.0	18
53	Ocular Nerve Growth Factor Administration Modulates Brain-derived Neurotrophic Factor Signaling in Prefrontal Cortex of Healthy and Diabetic Rats. <i>CNS Neuroscience and Therapeutics</i> , 2017, 23, 198-208.	1.9	18
54	Vascular and neuronal protection induced by the ocular administration of nerve growth factor in diabetic-induced retinal endothelial dysfunction. <i>CNS Neuroscience and Therapeutics</i> , 2013, 19, 307-318.	1.9	17

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55	Systemic Amyloidosis: a Contemporary Overview. <i>Clinical Reviews in Allergy and Immunology</i> , 2020, 59, 304-322.	2.9	17
56	Vagus nerve stimulation and Neurotrophins: a biological psychiatric perspective. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 113, 338-353.	2.9	17
57	Nerve Growth Factor in Alcohol Use Disorders. <i>Current Neuropharmacology</i> , 2020, 19, 45-60.	1.4	17
58	The nerve growth factor administrated as eye drops activates mature and precursor cells in subventricular zone of adult rats. <i>Archives Italiennes De Biologie</i> , 2011, 149, 205-13.	0.1	17
59	Intraperitoneal injection of neuropeptide Y (NPY) alters neurotrophin rat hypothalamic levels: Implications for NPY potential role in stress-related disorders. <i>Peptides</i> , 2011, 32, 1320-1323.	1.2	16
60	VEGF inhibition alters neurotrophin signalling pathways and induces caspase-3 activation and autophagy in rabbit retina. <i>Journal of Cellular Physiology</i> , 2019, 234, 18297-18307.	2.0	15
61	A role of the thymus and thymosin- β 4 in brain NGF levels and NGF receptor expression. <i>Journal of Neuroimmunology</i> , 1998, 82, 64-72.	1.1	14
62	Postnatal cocaine exposure affects neonatal passive avoidance performance and cholinergic development in rats. <i>Pharmacology Biochemistry and Behavior</i> , 1993, 45, 283-289.	1.3	12
63	Ethanol Consumption and Innate Neuroimmunity. <i>Biomedical Reviews</i> , 2018, 28, 49.	0.6	12
64	Cholecystokinin-8 enhances nerve growth factor synthesis and promotes recovery of capsaicin-induced sensory deficit. <i>British Journal of Pharmacology</i> , 2000, 129, 744-750.	2.7	11
65	Nerve growth factor modulates in vitro the expression and release of TGF- β 1 by amniotic membrane. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2006, 244, 485-491.	1.0	10
66	Time-Dependent Activation of c-fos in Limbic Brain Areas by Ocular Administration of Nerve Growth Factor in Adult Rats. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2011, 27, 209-218.	0.6	10
67	Ocular nerve growth factor administration counteracts the impairment of neural precursor cell viability and differentiation in the brain subventricular area of rats with streptozotocin-induced diabetes. <i>European Journal of Neuroscience</i> , 2015, 41, 1207-1218.	1.2	10
68	Monosodium glutamate increases NGF and NPY concentrations in rat hypothalamus and pituitary. <i>NeuroReport</i> , 1995, 6, 2450-2452.	0.6	9
69	hNGF Peptides Elicit the NGF-TrkA Signalling Pathway in Cholinergic Neurons and Retain Full Neurotrophic Activity in the DRG Assay. <i>Biomolecules</i> , 2020, 10, 216.	1.8	9
70	Enzymatic Spermine Metabolites Induce Apoptosis Associated with Increase of p53, caspase-3 and miR-34a in Both Neuroblastoma Cells, SJNKP and the N-Myc-Amplified Form IMR5. <i>Cells</i> , 2021, 10, 1950.	1.8	9
71	Role of Neuropeptide Tyrosine (NPY) in Ethanol Addiction. <i>Biomedical Reviews</i> , 2017, 27, 27.	0.6	9
72	Nerve growth factor in brain diseases. <i>Biomedical Reviews</i> , 2019, 29, 1.	0.6	9

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73	Nerve growth factor produced by activated human monocytes/macrophages is severely affected by ethanol. <i>Alcohol</i> , 2004, 34, 107-114.	0.8	8
74	Nerve growth factor, brain-derived neurotrophic factor, and the chronobiology of mood: a new insight into the "neurotrophic hypothesis". <i>ChronoPhysiology and Therapy</i> , 0, , 51.	0.5	8
75	Cholecystokinin-8 promotes recovery of sympathectomy induced by 6-hydroxydopamine in adult mice. <i>NeuroReport</i> , 2001, 12, 1621-1627.	0.6	7
76	Choline pivaloyl ester enhances brain expression of both nerve growth factor and high-affinity receptor TrkA, and reverses memory and cognitive deficits, in rats with excitotoxic lesion of nucleus basalis magnocellularis. <i>Behavioural Brain Research</i> , 2008, 190, 22-32.	1.2	7
77	Polyphenols, Nerve Growth Factor, Brain-Derived Neurotrophic Factor, and the Brain. , 2015, , 65-71.		7
78	In vivo antivasular endothelial growth factor treatment induces corneal endothelium apoptosis in rabbits through changes in p75NTR "proNGF pathway. <i>Journal of Cellular Physiology</i> , 2018, 233, 8874-8883.	2.0	7
79	ProNGF/p75NTR Axis Drives Fiber Type Specification by Inducing the Fast-Glycolytic Phenotype in Mouse Skeletal Muscle Cells. <i>Cells</i> , 2020, 9, 2232.	1.8	7
80	NGF Eye Administration Recovers the TrkB and Glutamate/GABA Marker Deficit in the Adult Visual Cortex Following Optic Nerve Crush. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10014.	1.8	6
81	Ocular nerve growth factor administration (oNGF) affects disease severity and inflammatory response in the brain of rats with experimental allergic encephalitis (EAE). <i>Canadian Journal of Physiology and Pharmacology</i> , 2016, 94, 177-184.	0.7	5
82	What substance P might tell us about the prognosis and mechanism of Parkinson's disease?. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 131, 899-911.	2.9	5
83	Acute stimulation of vagus nerve modulates brain neurotrophins, and stimulates neuronal plasticity in the hippocampus of adult male rats. <i>Biomedical Reviews</i> , 2020, 30, 99.	0.6	3
84	Gender differences in ultradian serum levels of NGF and BDNF correlate with psychophysical traits in healthy humans.. <i>Rivista Di Psichiatria</i> , 2021, 56, 314-320.	0.6	3
85	Pilot Investigation on p75ICD Expression in Laryngeal Squamous Cell Carcinoma. <i>Cancers</i> , 2022, 14, 2622.	1.7	2