

Luciana Giardino

List of Publications by Year in descending order

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116
papers

3,826
citations

109264

35
h-index

149623

56
g-index

117
all docs

117
docs citations

117
times ranked

4118
citing authors

#	ARTICLE	IF	CITATIONS
1	In Vivo Metabolic Responses to Different Formulations of Amino Acid Mixtures for the Treatment of Phenylketonuria (PKU). <i>International Journal of Molecular Sciences</i> , 2022, 23, 2227.	1.8	2
2	Applications of the ROS-Responsive Thioketal Linker for the Production of Smart Nanomedicines. <i>Polymers</i> , 2022, 14, 687.	2.0	33
3	Molecular mechanisms of skin wound healing in non-diabetic and diabetic mice in excision and pressure experimental wounds. <i>Cell and Tissue Research</i> , 2022, 388, 595-613.	1.5	7
4	Neuroprotection and neuroregeneration: roles for the white matter. <i>Neural Regeneration Research</i> , 2022, 17, 2376.	1.6	7
5	Oligodendrocytes in a dish for the drug discovery pipeline: the risk of oversimplification. <i>Neural Regeneration Research</i> , 2021, 16, 291.	1.6	2
6	Nerve Growth Factor: The First Molecule of the Neurotrophin Family. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1331, 3-10.	0.8	6
7	NGF and Endogenous Regeneration: From Embryology Toward Therapies. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1331, 51-63.	0.8	1
8	Time-Course Changes of Extracellular Matrix Encoding Genes Expression Level in the Spinal Cord Following Contusion Injury—A Data-Driven Approach. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1744.	1.8	5
9	Design and In Vitro Study of a Dual Drug-Loaded Delivery System Produced by Electrospinning for the Treatment of Acute Injuries of the Central Nervous System. <i>Pharmaceutics</i> , 2021, 13, 848.	2.0	6
10	A Time-Course Study of the Expression Level of Synaptic Plasticity-Associated Genes in Un-Lesioned Spinal Cord and Brain Areas in a Rat Model of Spinal Cord Injury: A Bioinformatic Approach. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8606.	1.8	3
11	A Novel Three-Dimensional Culture Device Favors a Myelinating Morphology of Neural Stem Cell-Derived Oligodendrocytes. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 759982.	1.8	6
12	Novel understanding on genetic mechanisms of enteric neuropathies leading to severe gut dysmotility. <i>European Journal of Histochemistry</i> , 2021, 65, .	0.6	5
13	Possible Strategies to Optimize a Biomarker Discovery Approach to Correlate with Neurological Outcome in Patients with Spinal Cord Injury: A Pilot Study. <i>Journal of Neurotrauma</i> , 2020, 37, 431-440.	1.7	11
14	A dynamic culture platform enhances the efficiency of the 3D HUVEC-based tube formation assay. <i>Biotechnology and Bioengineering</i> , 2020, 117, 789-797.	1.7	20
15	Differential effects of glucose deprivation on the survival of fetal versus adult neural stem cells-derived oligodendrocyte precursor cells. <i>Glia</i> , 2020, 68, 898-917.	2.5	22
16	Thyroid Hormone Signaling in Embryonic Stem Cells: Crosstalk with the Retinoic Acid Pathway. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8945.	1.8	7
17	Improved Functional Recovery in Rat Spinal Cord Injury Induced by a Drug Combination Administered with an Implantable Polymeric Delivery System. <i>Journal of Neurotrauma</i> , 2020, 37, 1708-1719.	1.7	16
18	White Matter and Neuroprotection in Alzheimer's Dementia. <i>Molecules</i> , 2020, 25, 503.	1.7	15

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19	Brain susceptibility to hypoxia/hypoxemia and metabolic dysfunction in Alzheimer's disease. , 2020, , 407-422.		0
20	Age-Related Changes of the Neurovascular Unit in the Cerebral Cortex of Alzheimer Disease Mouse Models: A Neuroanatomical and Molecular Study. Journal of Neuropathology and Experimental Neurology, 2019, 78, 101-112.	0.9	15
21	Potential biomarkers for neuroinflammation and neurodegeneration at short and long term after neonatal hypoxic-ischemic insult in rat. Journal of Neuroinflammation, 2019, 16, 194.	3.1	32
22	The role of nuclear receptors in the differentiation of oligodendrocyte precursor cells derived from fetal and adult neural stem cells. Stem Cell Research, 2019, 37, 101443.	0.3	31
23	Cell death in pure-neuronal and neuron-astrocyte mixed primary culture subjected to oxygen-glucose deprivation: The contribution of poly(ADP-ribose) polymerases and caspases. Microchemical Journal, 2018, 136, 215-222.	2.3	7
24	Growth and Neurotrophic Factors in Embryonic Stem Cells. Methods in Molecular Biology, 2018, 1727, 275-294.	0.4	3
25	Thyroid Hormone and the White Matter of the Central Nervous System: From Development to Repair. Vitamins and Hormones, 2018, 106, 253-281.	0.7	25
26	Vulnerability to oxygen-glucose deprivation of primary neurons derived from Tg2576 Alzheimer mice: role of intraneuronal Abeta accumulation and astrocytes.. DMM Disease Models and Mechanisms, 2017, 10, 671-678.	1.2	20
27	PARP activity and inhibition in fetal and adult oligodendrocyte precursor cells: Effect on cell survival and differentiation. Stem Cell Research, 2017, 22, 54-60.	0.3	17
28	Retrospective evaluation of circulating thyroid hormones in critically ill dogs with systemic inflammatory response syndrome. Journal of Veterinary Science, 2017, 18, 471.	0.5	12
29	<i>In Vitro</i> Testing of Biomaterials for Neural Repair: Focus on Cellular Systems and High-Content Analysis. BioResearch Open Access, 2016, 5, 201-211.	2.6	6
30	Inflammation severely alters thyroid hormone signaling in the central nervous system during experimental allergic encephalomyelitis in rat: Direct impact on OPCs differentiation failure. Glia, 2016, 64, 1573-1589.	2.5	23
31	Cytokine and chemokine alterations in tissue, CSF, and plasma in early presymptomatic phase of experimental allergic encephalomyelitis (EAE), in a rat model of multiple sclerosis. Journal of Neuroinflammation, 2016, 13, 291.	3.1	52
32	REAC technology modifies pathological neuroinflammation and motor behaviour in an Alzheimer's disease mouse model. Scientific Reports, 2016, 6, 35719.	1.6	14
33	<sc>CDKL5</sc> knockout leads to altered inhibitory transmission in the cerebellum of adult mice. Genes, Brain and Behavior, 2016, 15, 491-502.	1.1	35
34	Role of the Thyroid System in Myelination and Neural Connectivity. , 2015, 5, 1405-1421.		40
35	Radio Electric Asymmetric Conveyer: A Novel Neuromodulation Technology in Alzheimer's and Other Neurodegenerative Diseases. Frontiers in Psychiatry, 2015, 6, 22.	1.3	10
36	In vitro exposure to very low-level laser modifies expression level of extracellular matrix protein RNAs and mitochondria dynamics in mouse embryonic fibroblasts. BMC Complementary and Alternative Medicine, 2015, 15, 78.	3.7	11

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37	Human Mesenchymal Stem Cells Produce Bioactive Neurotrophic Factors: Source, Individual Variability and Differentiation Issues. <i>International Journal of Immunopathology and Pharmacology</i> , 2014, 27, 391-402.	1.0	30
38	CHF5074 and LY450139 sub-acute treatments differently affect cortical extracellular glutamate levels in pre-plaque Tg2576 mice. <i>Neuroscience</i> , 2014, 266, 13-22.	1.1	8
39	Multi-target action of the novel anti-Alzheimer compound CHF5074: in vivo study of long term treatment in Tg2576 mice. <i>BMC Neuroscience</i> , 2013, 14, 44.	0.8	58
40	Pharmacokinetics and Pharmacodynamics of CHF5074 After Short-term Administration in Healthy Subjects. <i>Alzheimer Disease and Associated Disorders</i> , 2013, 27, 278-286.	0.6	34
41	CHF5074 restores visual memory ability and pre-synaptic cortical acetylcholine release in pre-plaque Tg2576 mice. <i>Journal of Neurochemistry</i> , 2013, 124, 613-620.	2.1	16
42	CHF5074 Reduces Biomarkers of Neuroinflammation in Patients with Mild Cognitive Impairment: A 12-Week, Double-Blind, Placebo- Controlled Study. <i>Current Alzheimer Research</i> , 2013, 10, 742-753.	0.7	73
43	From the Multifactorial Nature of Alzheimer's Disease to Multitarget Therapy: The Contribution of the Translational Approach. <i>Current Topics in Medicinal Chemistry</i> , 2013, 13, 1843-1852.	1.0	13
44	Neural stem cells isolated from amyloid precursor protein-mutated mice for drug discovery. <i>World Journal of Stem Cells</i> , 2013, 5, 229.	1.3	10
45	Gender effect on neurodegeneration and myelin markers in an animal model for multiple sclerosis. <i>BMC Neuroscience</i> , 2012, 13, 12.	0.8	34
46	Functional and molecular evidence of myelin and neuroprotection by thyroid hormone administration in experimental allergic encephalomyelitis. <i>Neuropathology and Applied Neurobiology</i> , 2012, 38, 454-470.	1.8	33
47	The β -Secretase Modulator CHF5074 Restores Memory and Hippocampal Synaptic Plasticity in Plaque-Free Tg2576 Mice. <i>Journal of Alzheimer's Disease</i> , 2011, 24, 799-816.	1.2	53
48	Triiodothyronine Administration Ameliorates the Demyelination/Remyelination Ratio in a Non-Human Primate Model of Multiple Sclerosis by Correcting Tissue Hypothyroidism. <i>Journal of Neuroendocrinology</i> , 2011, 23, 778-790.	1.2	33
49	Ultra-low-level laser therapy. <i>Lasers in Medical Science</i> , 2011, 26, 103-112.	1.0	55
50	The galanin receptor 2/3 agonist Gal2 α 11 protects the SN56 cells against β -amyloid ₂₅₋₃₅ toxicity. <i>Journal of Neuroscience Research</i> , 2010, 88, 1064-1073.	1.3	16
51	CHF5074, a Novel β -Secretase Modulator, Restores Hippocampal Neurogenesis Potential and Reverses Contextual Memory Deficit in a Transgenic Mouse Model of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2010, 20, 159-173.	1.2	71
52	A single prenatal exposure to the endocrine disruptor 2,3,7,8-tetrachlorodibenzo-p-dioxin alters developmental myelination and remyelination potential in the rat brain. <i>Journal of Neurochemistry</i> , 2010, 115, 897-909.	2.1	37
53	Ex vivo study of dentate gyrus neurogenesis in human pharmacoresistant temporal lobe epilepsy. <i>Neuropathology and Applied Neurobiology</i> , 2010, 36, 535-550.	1.8	24
54	Cellular approaches to central nervous system remyelination stimulation: thyroid hormone to promote myelin repair via endogenous stem and precursor cells. <i>Journal of Molecular Endocrinology</i> , 2010, 44, 13-23.	1.1	53

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55	Laser acupuncture for acute inflammatory, visceral and neuropathic pain relief: An experimental study in the laboratory rat. <i>Research in Veterinary Science</i> , 2010, 88, 159-165.	0.9	54
56	Intravitreal NGF administration counteracts retina degeneration after permanent carotid artery occlusion in rat. <i>BMC Neuroscience</i> , 2009, 10, 52.	0.8	29
57	Low infra red laser light irradiation on cultured neural cells: effects on mitochondria and cell viability after oxidative stress. <i>BMC Complementary and Alternative Medicine</i> , 2009, 9, 8.	3.7	64
58	Gabapentin treatment improves motor coordination in a mice model of progressive ataxia. <i>Brain Research</i> , 2009, 1301, 135-142.	1.1	11
59	Effect of radiofrequency electromagnetic field exposure on in vitro models of neurodegenerative disease. <i>Bioelectromagnetics</i> , 2009, 30, 564-572.	0.9	32
60	Thyroid hormone induces glial lineage of primary neurospheres derived from non-pathological and pathological rat brain: implications for remyelination-enhancing therapies. <i>International Journal of Developmental Neuroscience</i> , 2009, 27, 769-778.	0.7	38
61	Continuous exposure to 900MHz GSM-modulated EMF alters morphological maturation of neural cells. <i>Neuroscience Letters</i> , 2009, 455, 173-177.	1.0	37
62	Prenatal glucocorticoid exposure affects learning and vulnerability of cholinergic neurons. <i>Neurobiology of Aging</i> , 2007, 28, 112-121.	1.5	26
63	Age-dependent impairment of hippocampal neurogenesis in chronic cerebral hypoperfusion. <i>Neuropathology and Applied Neurobiology</i> , 2007, 34, 071011095837004-???	1.8	13
64	The galanin-R2 agonist AR-M1896 reduces glutamate toxicity in primary neural hippocampal cells. <i>Journal of Neurochemistry</i> , 2005, 95, 821-833.	2.1	48
65	Role of c-Fos protein on glutamate toxicity in primary neural hippocampal cells. <i>Journal of Neuroscience Research</i> , 2005, 82, 115-125.	1.3	17
66	Cognitive deficit associated with cholinergic and nerve growth factor down-regulation in experimental allergic encephalomyelitis in rats. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 3070-3075.	3.3	88
67	Thyroid hormone and remyelination in adult central nervous system: a lesson from an inflammatory-demyelinating disease. <i>Brain Research Reviews</i> , 2005, 48, 339-346.	9.1	46
68	Stem cells and nervous tissue repair: from in vitro to in vivo. <i>Progress in Brain Research</i> , 2004, 146, 73-91.	0.9	10
69	Spinal motoneurone distress during experimental allergic encephalomyelitis. <i>Neuropathology and Applied Neurobiology</i> , 2004, 30, 522-531.	1.8	17
70	Thyroid hormone participates in the regulation of neural stem cells and oligodendrocyte precursor cells in the central nervous system of adult rat. <i>European Journal of Neuroscience</i> , 2004, 20, 2059-2070.	1.2	82
71	p75NTR-Immunoreactivity in the subventricular zone of adult male rats: Expression by cycling cells. <i>Journal of Molecular Histology</i> , 2004, 35, 749-758.	1.0	45
72	Thyroid hormone administration enhances remyelination in chronic demyelinating inflammatory disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 16363-16368.	3.3	122

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73	Neuroprotection: A Realistic Goal for Aged Brain?. <i>Advances in Experimental Medicine and Biology</i> , 2004, 541, 153-168.	0.8	2
74	[1-13C]Glucose entry in neuronal and astrocytic intermediary metabolism of aged rats. <i>Brain Research</i> , 2003, 966, 116-125.	1.1	25
75	Neural stem cells and cholinergic neurons: Regulation by immunolesion and treatment with mitogens, retinoic acid, and nerve growth factor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 7325-7330.	3.3	79
76	Thyroid hormone activates oligodendrocyte precursors and increases a myelin-forming protein and NGF content in the spinal cord during experimental allergic encephalomyelitis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 3258-3263.	3.3	127
77	Neuroprotection and aging of the cholinergic system: a role for the ergoline derivative nicergoline (Sermion®). <i>Neuroscience</i> , 2002, 109, 487-497.	1.1	35
78	Thyroid hormone and retinoids affect motoneuron phenotype and reaction after axotomy in the spinal cord of adult rats. <i>Brain Research</i> , 2002, 925, 122-132.	1.1	6
79	Plasticity of GABA(a) system during ageing: focus on vestibular compensation and possible pharmacological intervention. <i>Brain Research</i> , 2002, 929, 76-86.	1.1	36
80	Nerve growth factor control of neuronal expression of angiogenetic and vasoactive factors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 4160-4165.	3.3	198
81	Exogenous administration of L-arginine protects cholinergic neurons from colchicine neurotoxicity. <i>NeuroReport</i> , 2000, 11, 1769-1772.	0.6	3
82	Further evidence for a role of nitric oxide in experimental allergic encephalomyelitis: aminoguanidine treatment modifies its clinical evolution. <i>Brain Research</i> , 2000, 855, 39-46.	1.1	29
83	In vivo regulation of precursor cells in the subventricular zone of adult rat brain by thyroid hormone and retinoids. <i>Neuroscience Letters</i> , 2000, 295, 17-20.	1.0	24
84	Regulation of CCK mRNA expression in the rat brain by stress and treatment with sertraline, a selective serotonin re-uptake inhibitor. <i>Brain Research</i> , 1999, 824, 304-307.	1.1	18
85	Dopamine receptors in the striatum of rats exposed to repeated restraint stress and alprazolam treatment. <i>European Journal of Pharmacology</i> , 1998, 344, 143-147.	1.7	18
86	Thyroid Hormone-Dependent Regulation of Galanin Synthesis in Neurons and Glial Cells after Colchicine Administration. <i>Neuroendocrinology</i> , 1998, 68, 428-436.	1.2	22
87	Proliferation and phenotype regulation in the subventricular zone during experimental allergic encephalomyelitis: In vivo evidence of a role for nerve growth factor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 3209-3214.	3.3	121
88	Time-course changes of nerve growth factor, corticotropin-releasing hormone, and nitric oxide synthase isoforms and their possible role in the development of inflammatory response in experimental allergic encephalomyelitis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 3368-3373.	3.3	75
89	NGF content and expression in the rat pituitary gland and regulation by thyroid hormone. <i>Molecular Brain Research</i> , 1997, 51, 60-68.	2.5	12
90	Sexual impotence is associated with a reduced production of oxytocin and with an increased production of opioid peptides in the paraventricular nucleus of male rats. <i>Neuroscience Letters</i> , 1997, 233, 65-68.	1.0	46

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91	Effect of chronic clozapine administration on [3H]MK801-binding sites in the rat brain: a side-preference action in cortical areas. <i>Brain Research</i> , 1997, 762, 216-218.	1.1	23
92	Age-related changes in the expression of corticotropin-releasing hormone receptor mRNA in the rat pituitary. <i>Molecular Brain Research</i> , 1996, 37, 175-180.	2.5	13
93	CRH-R1 mRNA expression in two strains of inbred mice and its regulation after repeated restraint stress. <i>Molecular Brain Research</i> , 1996, 40, 310-314.	2.5	17
94	Regulation of glutamic acid decarboxylase mRNA expression in rat brain after sertraline treatment. <i>European Journal of Pharmacology</i> , 1996, 312, 183-187.	1.7	9
95	Right-left asymmetry of D1- and D2-receptor density is lost in the basal ganglia of old rats. <i>Brain Research</i> , 1996, 720, 235-238.	1.1	31
96	DA1 and DA2 receptor regulation in the striatum of young and old rats after peripheral vestibular lesion. <i>Brain Research</i> , 1996, 736, 111-117.	1.1	18
97	Neurotrophins and their Receptors in the Adult Hypo- and Hyperthyroid Rat after Kainic Acid Injection: an In Situ Hybridization Study. <i>European Journal of Neuroscience</i> , 1996, 8, 1873-1881.	1.2	28
98	Expression of enkephalin and dynorphin precursor mRNAs in brain areas of hypo- and hyperthyroid rat: effect of kainic acid injection. <i>Brain Research</i> , 1995, 687, 83-93.	1.1	22
99	Nitric oxide is involved in male sexual behavior of rats. <i>European Journal of Pharmacology</i> , 1995, 294, 505-510.	1.7	81
100	Regulation of VIP mRNA expression by thyroid hormone in different brain areas of adult rat. <i>Molecular Brain Research</i> , 1994, 27, 87-94.	2.5	20
101	Autoradiographic Detection of Substance P Receptors in Normal and Psoriatic Skin. <i>Journal of Investigative Dermatology</i> , 1993, 101, 301-304.	0.3	29
102	The Effect of Oxytocin on Feeding, Drinking, and Male Copulatory Behavior Is Not Diminished by Neonatal Monosodium Glutamate. <i>Hormones and Behavior</i> , 1993, 27, 499-510.	1.0	3
103	NOS mRNA in the paraventricular nucleus of young and old rats after immobilization stress. <i>NeuroReport</i> , 1993, 4, 627-630.	0.6	106
104	Deficit of Galanin-Like Immunostaining in the Median Eminence of Adult Hypothyroid Rats. <i>Neuroendocrinology</i> , 1992, 55, 237-247.	1.2	18
105	Response of Hypothalamic Peptide mRNAs to Thyroidectomy. <i>Neuroendocrinology</i> , 1992, 56, 694-703.	1.2	57
106	Inhibin subunits in human placenta: Localization and messenger ribonucleic acid levels during pregnancy. <i>American Journal of Obstetrics and Gynecology</i> , 1991, 165, 750-758.	0.7	105
107	Regulation of NT Receptors after Chronic Treatment with Typical and Atypical Neuroleptic Drugs. <i>Advances in Behavioral Biology</i> , 1991, , 379-387.	0.2	0
108	Presence and Synthesis of Inhibin Subunits in Human Decidua*. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1990, 71, 487-492.	1.8	110

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109	DA2/NT receptor balance in the mesostriatal and mesolimbocortical systems after chronic treatment with typical and atypical neuroleptic drugs. <i>Brain Research</i> , 1990, 532, 140-145.	1.1	11
110	Daily changes of neuropeptide Y-like immunoreactivity in the suprachiasmatic nucleus of the rat. <i>Regulatory Peptides</i> , 1990, 27, 127-137.	1.9	51
111	Identification of Immunoreactive Neuropeptide- β^3 in Human Placenta: Localization, Secretion, and Binding Sites*. <i>Endocrinology</i> , 1989, 124, 2016-2022.	1.4	51
112	Increase of neuropeptide Y-like immunoreactivity in the paraventricular nucleus of fasting rats. <i>Neuroscience Letters</i> , 1989, 104, 99-104.	1.0	88
113	Daily Modifications of 3h-Naloxone Binding Sites in the Rat Brain: A Quantitative Autoradiographic Study. <i>Chronobiology International</i> , 1989, 6, 203-216.	0.9	13
114	Further evidence for the existence of interactions between receptors for dopamine and neurotensin. Dopamine reduces the affinity and increases the number of [³ H]-neurotensin binding sites in the subcortical limbic forebrain of the rat. <i>Acta Physiologica Scandinavica</i> , 1985, 124, 125-128.	2.3	33
115	Presence of 5-HT-positive neurons in the medial nuclei of the solitary tract. <i>Brain Research</i> , 1985, 347, 135-139.	1.1	46
116	Morphometrical analysis of the distribution of luteinizing hormone-releasing hormone and tyrosine hydroxylase-immunoreactive nerve terminals within the lateral palisade zone of the median eminence of the male rat. <i>Neuroscience Letters</i> , 1983, 43, 179-183.	1.0	10