Renata bartesaghi

List of Publications by Year in Descending Order

91 papers	2,946 citations	31 h-index	51 g-index
95 ext. papers	3,464 ext. citations	5 avg, IF	4.87 L-index

#	Paper	IF	Citations
91	Prenatal and Postnatal Pharmacotherapy in Down Syndrome: The Search to Prevent or Ameliorate Neurodevelopmental and Neurodegenerative Disorders.. *Annual Review of Pharmacology and Toxicology*, **2022**, 62, 211-233	17.9	0
90	The flavonoid 7,8-DHF fosters prenatal brain proliferation potency in a mouse model of Down syndrome. *Scientific Reports*, **2021**, 11, 6300	4.9	2
89	Obstructive sleep apneas naturally occur in mice during REM sleep and are highly prevalent in a mouse model of Down syndrome. *Neurobiology of Disease*, **2021**, 159, 105508	7.5	1
88	Building the Future Therapies for Down Syndrome: The Third International Conference of the T21 Research Society. *Molecular Syndromology*, **2021**, 12, 202-218	1.5	1
87	Epigallocatechin-3-gallate **2021**, 619-630		
86	Early appearance of developmental alterations in the dendritic tree of the hippocampal granule cells in the Ts65Dn model of Down syndrome. *Hippocampus*, **2021**, 31, 435-447	3.5	3
85	Impaired Brain Mitochondrial Bioenergetics in the Ts65Dn Mouse Model of Down Syndrome Is Restored by Neonatal Treatment with the Polyphenol 7,8-Dihydroxyflavone.. *Antioxidants*, **2021**, 11,	7.1	1
84	Neuroanatomical alterations in higher-order thalamic nuclei of fetuses with Down syndrome. *Clinical Neurology and Neurosurgery*, **2020**, 194, 105870	2	4
83	Neonatal therapy with clenbuterol and salmeterol restores spinogenesis and dendritic complexity in the dentate gyrus of the Ts65Dn model of Down syndrome. *Neurobiology of Disease*, **2020**, 140, 104874	7.5	5
82	Prenatal Administration of Oleic Acid or Linolenic Acid Reduces Neuromorphological and Cognitive Alterations in Ts65dn Down Syndrome Mice. *Journal of Nutrition*, **2020**, 150, 1631-1643	4.1	8
81	Early postnatal oleic acid administration enhances synaptic development and cognitive abilities in the Ts65Dn mouse model of Down syndrome. *Nutritional Neuroscience*, **2020**, 1-13	3.6	0
80	Prenatal, but not Postnatal, Curcumin Administration Rescues Neuromorphological and Cognitive Alterations in Ts65Dn Down Syndrome Mice. *Journal of Nutrition*, **2020**, 150, 2478-2489	4.1	4
79	Treatment with the flavonoid 7,8-Dihydroxyflavone: a promising strategy for a constellation of body and brain disorders. *Critical Reviews in Food Science and Nutrition*, **2020**, 1-38	11.5	15
78	Timing of Treatment with the Flavonoid 7,8-DHF Critically Impacts on Its Effects on Learning and Memory in the Ts65Dn Mouse. *Antioxidants*, **2019**, 8,	7.1	6
77	Neonatal treatment with cyclosporine A restores neurogenesis and spinogenesis in the Ts65Dn model of Down syndrome. *Neurobiology of Disease*, **2019**, 129, 44-55	7.5	5
76	Subicular hypotrophy in fetuses with Down syndrome and in the Ts65Dn model of Down syndrome. *Brain Pathology*, **2019**, 29, 366-379	6	4
75	Abnormal development of the inferior temporal region in fetuses with Down syndrome. *Brain Pathology*, **2018**, 28, 986-998	6	17

74	CDKL5 protein substitution therapy rescues neurological phenotypes of a mouse model of CDKL5 disorder. *Human Molecular Genetics*, **2018**, 27, 1572-1592	5.6	30
73	Selective inhibitors of GSK-3□a suitable therapy for Down syndrome?. *European Neuropsychopharmacology*, **2018**, 28, S72-S73	1.2	1
72	Translating molecular advances in Down syndrome and Fragile X syndrome into therapies. *European Neuropsychopharmacology*, **2018**, 28, 675-690	1.2	7
71	Neurogenesis impairment: An early developmental defect in Down syndrome. *Free Radical Biology and Medicine*, **2018**, 114, 15-32	7.8	47
70	Treatment with corn oil improves neurogenesis and cognitive performance in the Ts65Dn mouse model of Down syndrome. *Brain Research Bulletin*, **2018**, 140, 378-391	3.9	9
69	Epigallocatechin gallate: A useful therapy for cognitive disability in Down syndrome?. *Neurogenesis (Austin, Tex)*, **2017**, 4, e1270383		11
68	Long-term effect of neonatal inhibition of APP gamma-secretase on hippocampal development in the Ts65Dn mouse model of Down syndrome. *Neurobiology of Disease*, **2017**, 103, 11-23	7.5	9
67	A flavonoid agonist of the TrkB receptor for BDNF improves hippocampal neurogenesis and hippocampus-dependent memory in the Ts65Dn mouse model of DS. *Experimental Neurology*, **2017**, 298, 79-96	5.7	35
66	Neuroanatomical alterations and synaptic plasticity impairment in the perirhinal cortex of the Ts65Dn mouse model of Down syndrome. *Neurobiology of Disease*, **2017**, 106, 89-100	7.5	12
65	Lithium Restores Age-related Olfactory Impairment in the Ts65Dn Mouse Model of Down Syndrome. *CNS and Neurological Disorders - Drug Targets*, **2017**, 16, 812-819	2.6	6
64	Short- and long-term effects of neonatal pharmacotherapy with epigallocatechin-3-gallate on hippocampal development in the Ts65Dn mouse model of Down syndrome. *Neuroscience*, **2016**, 333, 277-301	3.9	47
63	SNX27, a protein involved in down syndrome, regulates GPR17 trafficking and oligodendrocyte differentiation. *Glia*, **2016**, 64, 1437-60	9	14
62	HDAC4: a key factor underlying brain developmental alterations in CDKL5 disorder. *Human Molecular Genetics*, **2016**, 25, 3887-3907	5.6	51
61	New Perspectives for the Rescue of Cognitive Disability in Down Syndrome. *Journal of Neuroscience* , **2015**, 35, 13843-52	6.6	18
60	Inhibition of GSK3□rescues hippocampal development and learning in a mouse model of CDKL5 disorder. *Neurobiology of Disease*, **2015**, 82, 298-310	7.5	35
59	ISDN2014_0057: Inhibition of GSK3-beta rescues hippocampal development in a knockout mouse model of CDKL5 encephalopathy. *International Journal of Developmental Neuroscience*, **2015**, 47, 12-13	2.7	
58	Inhibition of APP gamma-secretase restores Sonic Hedgehog signaling and neurogenesis in the Ts65Dn mouse model of Down syndrome. *Neurobiology of Disease*, **2015**, 82, 385-396	7.5	31
57	Long-term effects of neonatal treatment with fluoxetine on cognitive performance in Ts65Dn mice. *Neurobiology of Disease*, **2015**, 74, 204-18	7.5	37

56	Timing of therapies for Down syndrome: the sooner, the better. *Frontiers in Behavioral Neuroscience*, **2015**, 9, 265	3.5	68
55	Prenatal pharmacotherapy rescues brain development in a Down syndrome mouse model. *Brain*, **2014**, 137, 380-401	11.2	59
54	Loss of CDKL5 impairs survival and dendritic growth of newborn neurons by altering AKT/GSK-3β signaling. *Neurobiology of Disease*, **2014**, 70, 53-68	7.5	72
53	APP-dependent alteration of GSK3β activity impairs neurogenesis in the Ts65Dn mouse model of Down syndrome. *Neurobiology of Disease*, **2014**, 67, 24-36	7.5	28
52	Age-related impairment of olfactory bulb neurogenesis in the Ts65Dn mouse model of Down syndrome. *Experimental Neurology*, **2014**, 251, 1-11	5.7	15
51	The amyloid precursor protein (APP) triplicated gene impairs neuronal precursor differentiation and neurite development through two different domains in the Ts65Dn mouse model for Down syndrome. *Journal of Biological Chemistry*, **2013**, 288, 20817-20829	5.4	41
50	Early pharmacotherapy with fluoxetine rescues dendritic pathology in the Ts65Dn mouse model of down syndrome. *Brain Pathology*, **2013**, 23, 129-43	6	45
49	Pharmacotherapy with fluoxetine restores functional connectivity from the dentate gyrus to field CA3 in the Ts65Dn mouse model of down syndrome. *PLoS ONE*, **2013**, 8, e61689	3.7	38
48	CDKL5, a novel MYCN-repressed gene, blocks cell cycle and promotes differentiation of neuronal cells. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms*, **2012**, 1819, 1173-85	6	21
47	Early-occurring proliferation defects in peripheral tissues of the Ts65Dn mouse model of Down syndrome are associated with patched1 over expression. *Laboratory Investigation*, **2012**, 92, 1648-60	5.9	20
46	Postnatal neurogenesis in the hippocampal dentate gyrus and subventricular zone of the Göttingen minipig. *Brain Research Bulletin*, **2011**, 85, 169-79	3.9	17
45	Widespread proliferation impairment and hypocellularity in the cerebellum of fetuses with down syndrome. *Brain Pathology*, **2011**, 21, 361-73	6	83
44	Impact of environmental enrichment on neurogenesis in the dentate gyrus during the early postnatal period. *Brain Research*, **2011**, 1415, 23-33	3.7	25
43	Is it possible to improve neurodevelopmental abnormalities in Down syndrome?. *Reviews in the Neurosciences*, **2011**, 22, 419-55	4.7	62
42	APP-dependent up-regulation of Ptch1 underlies proliferation impairment of neural precursors in Down syndrome. *Human Molecular Genetics*, **2011**, 20, 1560-73	5.6	92
41	Lithium restores neurogenesis in the subventricular zone of the Ts65Dn mouse, a model for Down syndrome. *Brain Pathology*, **2010**, 20, 106-18	6	65
40	Early pharmacotherapy restores neurogenesis and cognitive performance in the Ts65Dn mouse model for Down syndrome. *Journal of Neuroscience*, **2010**, 30, 8769-79	6.6	144
39	CB1 cannabinoid receptors increase neuronal precursor proliferation through AKT/glycogen synthase kinase-3beta/beta-catenin signaling. *Journal of Biological Chemistry*, **2010**, 285, 10098-10109	5.4	60

38	Lot1 is a key element of the pituitary adenylate cyclase-activating polypeptide (PACAP)/cyclic AMP pathway that negatively regulates neuronal precursor proliferation. *Journal of Biological Chemistry*, **2009**, 284, 15325-38	5.4	15
37	Changes in hippocampal morphology and neuroplasticity induced by adolescent THC treatment are associated with cognitive impairment in adulthood. *Hippocampus*, **2009**, 19, 763-72	3.5	209
36	Widespread impairment of cell proliferation in the neonate Ts65Dn mouse, a model for Down syndrome. *Cell Proliferation*, **2009**, 42, 171-81	7.9	28
35	Cell cycle elongation impairs proliferation of cerebellar granule cell precursors in the Ts65Dn mouse, an animal model for Down syndrome. *Brain Pathology*, **2009**, 19, 224-37	6	53
34	Neurogenesis impairment and increased cell death reduce total neuron number in the hippocampal region of fetuses with Down syndrome. *Brain Pathology*, **2008**, 18, 180-97	6	170
33	Neonatal isolation impairs neurogenesis in the dentate gyrus of the guinea pig. *Hippocampus*, **2007**, 17, 78-91	3.5	21
32	Cell cycle alteration and decreased cell proliferation in the hippocampal dentate gyrus and in the neocortical germinal matrix of fetuses with Down syndrome and in Ts65Dn mice. *Hippocampus*, **2007**, 17, 665-78	3.5	192
31	Proliferation of cerebellar precursor cells is negatively regulated by nitric oxide in newborn rat. *Journal of Cell Science*, **2006**, 119, 3161-70	5.3	31
30	Effect of early isolation on signal transfer in the entorhinal cortex-dentate-hippocampal system. *Neuroscience*, **2006**, 137, 875-90	3.9	15
29	Sex differences in the hilar mossy cells of the guinea-pig before puberty. *Neuroscience*, **2006**, 139, 565-76	3.9	5
28	Input-output relations in the entorhinal cortex-dentate-hippocampal system: evidence for a non-linear transfer of signals. *Neuroscience*, **2006**, 142, 247-65	3.9	40
27	Choline acetyltransferase activity at different ages in brain of Ts65Dn mice, an animal model for Down syndrome and related neurodegenerative diseases. *Journal of Neurochemistry*, **2006**, 97, 515-26	6	52
26	Neurochemical correlates of nicotine neurotoxicity on rat habenulo-interpeduncular cholinergic neurons. *NeuroToxicology*, **2005**, 26, 467-74	4.4	19
25	Sex differences in the stereological parameters of the hippocampal dentate gyrus of the guinea-pig before puberty. *Neuroscience*, **2005**, 132, 375-87	3.9	14
24	Postnatal neurogenesis in the dentate gyrus of the guinea pig. *Hippocampus*, **2005**, 15, 285-301	3.5	47
23	Topographic activation of the medial entorhinal cortex by presubicular commissural projections. *Journal of Comparative Neurology*, **2005**, 487, 283-99	3.4	9
22	Cyclic AMP-mediated regulation of transcription factor Lot1 expression in cerebellar granule cells. *Journal of Biological Chemistry*, **2005**, 280, 33541-51	5.4	16
21	Nitric oxide negatively regulates proliferation and promotes neuronal differentiation through N-Myc downregulation. *Journal of Cell Science*, **2004**, 117, 4727-37	5.3	58

20	Effect of early isolation on the synaptic function in the dentate gyrus and field CA1 of the guinea pig. *Hippocampus*, **2004**, 14, 482-98	3.5	23
19	Parallel activation of field CA2 and dentate gyrus by synaptically elicited perforant path volleys. *Hippocampus*, **2004**, 14, 948-63	3.5	40
18	Effects of early environment on field CA2 pyramidal neurons in the guinea-pig. *Neuroscience*, **2004**, 123, 703-14	3.9	10
17	Activation of perforant path neurons to field CA1 by hippocampal projections. *Hippocampus*, **2003**, 13, 235-49	3.5	24
16	Effects of early environment on pyramidal neuron morphology in field CA1 of the guinea-pig. *Neuroscience*, **2003**, 116, 715-32	3.9	17
15	Effects of early isolation on layer II neurons in the entorhinal cortex of the guinea pig. *Neuroscience*, **2003**, 120, 721-32	3.9	8
14	Sex differences in the hippocampal dentate gyrus of the guinea-pig before puberty. *Neuroscience*, **2003**, 121, 327-39	3.9	13
13	Nitric oxide regulates cGMP-dependent cAMP-responsive element binding protein phosphorylation and Bcl-2 expression in cerebellar neurons: implication for a survival role of nitric oxide. *Journal of Neurochemistry*, **2002**, 82, 1282-9	6	112
12	Nitric oxide protects neuroblastoma cells from apoptosis induced by serum deprivation through cAMP-response element-binding protein (CREB) activation. *Journal of Biological Chemistry*, **2002**, 277, 49896-902	5.4	64
11	Effects of early environment on field CA3a pyramidal neuron morphology in the guinea-pig. *Neuroscience*, **2002**, 110, 475-88	3.9	14
10	Effects of early environment on granule cell morphology in the dentate gyrus of the guinea-pig. *Neuroscience*, **2001**, 102, 87-100	3.9	27
9	Pyramidal neuron types in field CA2 of the guinea pig. *Brain Research Bulletin*, **1999**, 50, 263-73	3.9	22
8	Input-output relations in the entorhinal-hippocampal-entorhinal loop: entorhinal cortex and dentate gyrus. *Hippocampus*, **1995**, 5, 440-51	3.5	15
7	Hippocampal-entorhinal relationships: electrophysiological analysis of the ventral hippocampal projections to the ventral entorhinal cortex. *Neuroscience*, **1994**, 61, 457-66	3.9	9
6	Electrophysiological analysis of the hippocampal output to the presubiculum. *Neuroscience*, **1990**, 37, 335-45	3.9	5
5	Electrophysiological analysis of the hippocampal projections to the entorhinal area. *Neuroscience*, **1989**, 30, 51-62	3.9	40
4	Electrophysiological analysis of the dorsal hippocampal commissure projections to the entorhinal area. *Neuroscience*, **1988**, 26, 55-67	3.9	25
3	Hippocampal output to the subicular cortex: an electrophysiological study. *Experimental Neurology*, **1986**, 92, 114-33	5.7	17

2	Fiber groups in the dorsal psalterium of the guinea pig. *Experimental Neurology*, **1985**, 88, 500-14	5.7	6
1	Interlamellar transfer of impulses in the hippocampal formation. *Experimental Neurology*, **1983**, 82, 550-67	5.7	24