

Renata bartesaghi

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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	Changes in hippocampal morphology and neuroplasticity induced by adolescent THC treatment are associated with cognitive impairment in adulthood. <i>Hippocampus</i> , 2009 , 19, 763-72	3.5	209
90	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. <i>Hippocampus</i> , 2007 , 17, 665-78	3.5	192
89	Neurogenesis impairment and increased cell death reduce total neuron number in the hippocampal region of fetuses with Down syndrome. <i>Brain Pathology</i> , 2008 , 18, 180-97	6	170
88	Early pharmacotherapy restores neurogenesis and cognitive performance in the Ts65Dn mouse model for Down syndrome. <i>Journal of Neuroscience</i> , 2010 , 30, 8769-79	6.6	144
87	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. <i>Journal of Neurochemistry</i> , 2002 , 82, 1282-9	6	112
86	APP-dependent up-regulation of Ptch1 underlies proliferation impairment of neural precursors in Down syndrome. <i>Human Molecular Genetics</i> , 2011 , 20, 1560-73	5.6	92
85	Widespread proliferation impairment and hypocellularity in the cerebellum of fetuses with down syndrome. <i>Brain Pathology</i> , 2011 , 21, 361-73	6	83
84	Loss of CDKL5 impairs survival and dendritic growth of newborn neurons by altering AKT/GSK-3 β signaling. <i>Neurobiology of Disease</i> , 2014 , 70, 53-68	7.5	72
83	Timing of therapies for Down syndrome: the sooner, the better. <i>Frontiers in Behavioral Neuroscience</i> , 2015 , 9, 265	3.5	68
82	Lithium restores neurogenesis in the subventricular zone of the Ts65Dn mouse, a model for Down syndrome. <i>Brain Pathology</i> , 2010 , 20, 106-18	6	65
81	Nitric oxide protects neuroblastoma cells from apoptosis induced by serum deprivation through cAMP-response element-binding protein (CREB) activation. <i>Journal of Biological Chemistry</i> , 2002 , 277, 49896-902	5.4	64
80	Is it possible to improve neurodevelopmental abnormalities in Down syndrome?. <i>Reviews in the Neurosciences</i> , 2011 , 22, 419-55	4.7	62
79	CB1 cannabinoid receptors increase neuronal precursor proliferation through AKT/glycogen synthase kinase-3 β /beta-catenin signaling. <i>Journal of Biological Chemistry</i> , 2010 , 285, 10098-10109	5.4	60
78	Prenatal pharmacotherapy rescues brain development in a Down syndrome mouse model. <i>Brain</i> , 2014 , 137, 380-401	11.2	59
77	Nitric oxide negatively regulates proliferation and promotes neuronal differentiation through N-Myc downregulation. <i>Journal of Cell Science</i> , 2004 , 117, 4727-37	5.3	58
76	Cell cycle elongation impairs proliferation of cerebellar granule cell precursors in the Ts65Dn mouse, an animal model for Down syndrome. <i>Brain Pathology</i> , 2009 , 19, 224-37	6	53
75	Choline acetyltransferase activity at different ages in brain of Ts65Dn mice, an animal model for Down syndrome and related neurodegenerative diseases. <i>Journal of Neurochemistry</i> , 2006 , 97, 515-26	6	52

74	HDAC4: a key factor underlying brain developmental alterations in CDKL5 disorder. <i>Human Molecular Genetics</i> , 2016 , 25, 3887-3907	5.6	51
73	Short- and long-term effects of neonatal pharmacotherapy with epigallocatechin-3-gallate on hippocampal development in the Ts65Dn mouse model of Down syndrome. <i>Neuroscience</i> , 2016 , 333, 277-301	3.9	47
72	Postnatal neurogenesis in the dentate gyrus of the guinea pig. <i>Hippocampus</i> , 2005 , 15, 285-301	3.5	47
71	Neurogenesis impairment: An early developmental defect in Down syndrome. <i>Free Radical Biology and Medicine</i> , 2018 , 114, 15-32	7.8	47
70	Early pharmacotherapy with fluoxetine rescues dendritic pathology in the Ts65Dn mouse model of down syndrome. <i>Brain Pathology</i> , 2013 , 23, 129-43	6	45
69	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. <i>Journal of Biological Chemistry</i> , 2013 , 288, 20817-20829	5.4	41
68	Input-output relations in the entorhinal cortex-dentate-hippocampal system: evidence for a non-linear transfer of signals. <i>Neuroscience</i> , 2006 , 142, 247-65	3.9	40
67	Parallel activation of field CA2 and dentate gyrus by synaptically elicited perforant path volleys. <i>Hippocampus</i> , 2004 , 14, 948-63	3.5	40
66	Electrophysiological analysis of the hippocampal projections to the entorhinal area. <i>Neuroscience</i> , 1989 , 30, 51-62	3.9	40
65	Pharmacotherapy with fluoxetine restores functional connectivity from the dentate gyrus to field CA3 in the Ts65Dn mouse model of down syndrome. <i>PLoS ONE</i> , 2013 , 8, e61689	3.7	38
64	Long-term effects of neonatal treatment with fluoxetine on cognitive performance in Ts65Dn mice. <i>Neurobiology of Disease</i> , 2015 , 74, 204-18	7.5	37
63	Inhibition of GSK3 β rescues hippocampal development and learning in a mouse model of CDKL5 disorder. <i>Neurobiology of Disease</i> , 2015 , 82, 298-310	7.5	35
62	A flavonoid agonist of the TrkB receptor for BDNF improves hippocampal neurogenesis and hippocampus-dependent memory in the Ts65Dn mouse model of DS. <i>Experimental Neurology</i> , 2017 , 298, 79-96	5.7	35
61	Inhibition of APP gamma-secretase restores Sonic Hedgehog signaling and neurogenesis in the Ts65Dn mouse model of Down syndrome. <i>Neurobiology of Disease</i> , 2015 , 82, 385-396	7.5	31
60	Proliferation of cerebellar precursor cells is negatively regulated by nitric oxide in newborn rat. <i>Journal of Cell Science</i> , 2006 , 119, 3161-70	5.3	31
59	CDKL5 protein substitution therapy rescues neurological phenotypes of a mouse model of CDKL5 disorder. <i>Human Molecular Genetics</i> , 2018 , 27, 1572-1592	5.6	30
58	APP-dependent alteration of GSK3 β activity impairs neurogenesis in the Ts65Dn mouse model of Down syndrome. <i>Neurobiology of Disease</i> , 2014 , 67, 24-36	7.5	28
57	Widespread impairment of cell proliferation in the neonate Ts65Dn mouse, a model for Down syndrome. <i>Cell Proliferation</i> , 2009 , 42, 171-81	7.9	28

56	Effects of early environment on granule cell morphology in the dentate gyrus of the guinea-pig. <i>Neuroscience</i> , 2001 , 102, 87-100	3.9	27
55	Impact of environmental enrichment on neurogenesis in the dentate gyrus during the early postnatal period. <i>Brain Research</i> , 2011 , 1415, 23-33	3.7	25
54	Electrophysiological analysis of the dorsal hippocampal commissure projections to the entorhinal area. <i>Neuroscience</i> , 1988 , 26, 55-67	3.9	25
53	Activation of perforant path neurons to field CA1 by hippocampal projections. <i>Hippocampus</i> , 2003 , 13, 235-49	3.5	24
52	Interlamellar transfer of impulses in the hippocampal formation. <i>Experimental Neurology</i> , 1983 , 82, 550-577	3.7	24
51	Effect of early isolation on the synaptic function in the dentate gyrus and field CA1 of the guinea pig. <i>Hippocampus</i> , 2004 , 14, 482-98	3.5	23
50	Pyramidal neuron types in field CA2 of the guinea pig. <i>Brain Research Bulletin</i> , 1999 , 50, 263-73	3.9	22
49	CDKL5, a novel MYCN-repressed gene, blocks cell cycle and promotes differentiation of neuronal cells. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2012 , 1819, 1173-85	6	21
48	Neonatal isolation impairs neurogenesis in the dentate gyrus of the guinea pig. <i>Hippocampus</i> , 2007 , 17, 78-91	3.5	21
47	Early-occurring proliferation defects in peripheral tissues of the Ts65Dn mouse model of Down syndrome are associated with patched1 over expression. <i>Laboratory Investigation</i> , 2012 , 92, 1648-60	5.9	20
46	Neurochemical correlates of nicotine neurotoxicity on rat habenulo-interpeduncular cholinergic neurons. <i>NeuroToxicology</i> , 2005 , 26, 467-74	4.4	19
45	New Perspectives for the Rescue of Cognitive Disability in Down Syndrome. <i>Journal of Neuroscience</i> , 2015 , 35, 13843-52	6.6	18
44	Abnormal development of the inferior temporal region in fetuses with Down syndrome. <i>Brain Pathology</i> , 2018 , 28, 986-998	6	17
43	Postnatal neurogenesis in the hippocampal dentate gyrus and subventricular zone of the Göttingen minipig. <i>Brain Research Bulletin</i> , 2011 , 85, 169-79	3.9	17
42	Effects of early environment on pyramidal neuron morphology in field CA1 of the guinea-pig. <i>Neuroscience</i> , 2003 , 116, 715-32	3.9	17
41	Hippocampal output to the subicular cortex: an electrophysiological study. <i>Experimental Neurology</i> , 1986 , 92, 114-33	5.7	17
40	Cyclic AMP-mediated regulation of transcription factor Lot1 expression in cerebellar granule cells. <i>Journal of Biological Chemistry</i> , 2005 , 280, 33541-51	5.4	16
39	Age-related impairment of olfactory bulb neurogenesis in the Ts65Dn mouse model of Down syndrome. <i>Experimental Neurology</i> , 2014 , 251, 1-11	5.7	15

38	Lot1 is a key element of the pituitary adenylate cyclase-activating polypeptide (PACAP)/cyclic AMP pathway that negatively regulates neuronal precursor proliferation. <i>Journal of Biological Chemistry</i> , 2009 , 284, 15325-38	5.4	15
37	Effect of early isolation on signal transfer in the entorhinal cortex-dentate-hippocampal system. <i>Neuroscience</i> , 2006 , 137, 875-90	3.9	15
36	Input-output relations in the entorhinal-hippocampal-entorhinal loop: entorhinal cortex and dentate gyrus. <i>Hippocampus</i> , 1995 , 5, 440-51	3.5	15
35	Treatment with the flavonoid 7,8-Dihydroxyflavone: a promising strategy for a constellation of body and brain disorders. <i>Critical Reviews in Food Science and Nutrition</i> , 2020 , 1-38	11.5	15
34	Sex differences in the stereological parameters of the hippocampal dentate gyrus of the guinea-pig before puberty. <i>Neuroscience</i> , 2005 , 132, 375-87	3.9	14
33	Effects of early environment on field CA3a pyramidal neuron morphology in the guinea-pig. <i>Neuroscience</i> , 2002 , 110, 475-88	3.9	14
32	SNX27, a protein involved in down syndrome, regulates GPR17 trafficking and oligodendrocyte differentiation. <i>Glia</i> , 2016 , 64, 1437-60	9	14
31	Sex differences in the hippocampal dentate gyrus of the guinea-pig before puberty. <i>Neuroscience</i> , 2003 , 121, 327-39	3.9	13
30	Neuroanatomical alterations and synaptic plasticity impairment in the perirhinal cortex of the Ts65Dn mouse model of Down syndrome. <i>Neurobiology of Disease</i> , 2017 , 106, 89-100	7.5	12
29	Epigallocatechin gallate: A useful therapy for cognitive disability in Down syndrome?. <i>Neurogenesis (Austin, Tex)</i> , 2017 , 4, e1270383		11
28	Effects of early environment on field CA2 pyramidal neurons in the guinea-pig. <i>Neuroscience</i> , 2004 , 123, 703-14	3.9	10
27	Long-term effect of neonatal inhibition of APP gamma-secretase on hippocampal development in the Ts65Dn mouse model of Down syndrome. <i>Neurobiology of Disease</i> , 2017 , 103, 11-23	7.5	9
26	Topographic activation of the medial entorhinal cortex by presubicular commissural projections. <i>Journal of Comparative Neurology</i> , 2005 , 487, 283-99	3.4	9
25	Hippocampal-entorhinal relationships: electrophysiological analysis of the ventral hippocampal projections to the ventral entorhinal cortex. <i>Neuroscience</i> , 1994 , 61, 457-66	3.9	9
24	Treatment with corn oil improves neurogenesis and cognitive performance in the Ts65Dn mouse model of Down syndrome. <i>Brain Research Bulletin</i> , 2018 , 140, 378-391	3.9	9
23	Prenatal Administration of Oleic Acid or Linolenic Acid Reduces Neuromorphological and Cognitive Alterations in Ts65dn Down Syndrome Mice. <i>Journal of Nutrition</i> , 2020 , 150, 1631-1643	4.1	8
22	Effects of early isolation on layer II neurons in the entorhinal cortex of the guinea pig. <i>Neuroscience</i> , 2003 , 120, 721-32	3.9	8
21	Translating molecular advances in Down syndrome and Fragile X syndrome into therapies. <i>European Neuropsychopharmacology</i> , 2018 , 28, 675-690	1.2	7

20	Timing of Treatment with the Flavonoid 7,8-DHF Critically Impacts on Its Effects on Learning and Memory in the Ts65Dn Mouse. <i>Antioxidants</i> , 2019 , 8,	7.1	6
19	Fiber groups in the dorsal psalterium of the guinea pig. <i>Experimental Neurology</i> , 1985 , 88, 500-14	5.7	6
18	Lithium Restores Age-related Olfactory Impairment in the Ts65Dn Mouse Model of Down Syndrome. <i>CNS and Neurological Disorders - Drug Targets</i> , 2017 , 16, 812-819	2.6	6
17	Neonatal treatment with cyclosporine A restores neurogenesis and spinogenesis in the Ts65Dn model of Down syndrome. <i>Neurobiology of Disease</i> , 2019 , 129, 44-55	7.5	5
16	Neonatal therapy with clenbuterol and salmeterol restores spinogenesis and dendritic complexity in the dentate gyrus of the Ts65Dn model of Down syndrome. <i>Neurobiology of Disease</i> , 2020 , 140, 104874 ⁵	7.5	5
15	Sex differences in the hilar mossy cells of the guinea-pig before puberty. <i>Neuroscience</i> , 2006 , 139, 565-76 ⁹	6.9	5
14	Electrophysiological analysis of the hippocampal output to the presubiculum. <i>Neuroscience</i> , 1990 , 37, 335-45	3.9	5
13	Neuroanatomical alterations in higher-order thalamic nuclei of fetuses with Down syndrome. <i>Clinical Neurology and Neurosurgery</i> , 2020 , 194, 105870	2	4
12	Prenatal, but not Postnatal, Curcumin Administration Rescues Neuromorphological and Cognitive Alterations in Ts65Dn Down Syndrome Mice. <i>Journal of Nutrition</i> , 2020 , 150, 2478-2489	4.1	4
11	Subicular hypotrophy in fetuses with Down syndrome and in the Ts65Dn model of Down syndrome. <i>Brain Pathology</i> , 2019 , 29, 366-379	6	4
10	Early appearance of developmental alterations in the dendritic tree of the hippocampal granule cells in the Ts65Dn model of Down syndrome. <i>Hippocampus</i> , 2021 , 31, 435-447	3.5	3
9	The flavonoid 7,8-DHF fosters prenatal brain proliferation potency in a mouse model of Down syndrome. <i>Scientific Reports</i> , 2021 , 11, 6300	4.9	2
8	Selective inhibitors of GSK-3 β a suitable therapy for Down syndrome?. <i>European Neuropsychopharmacology</i> , 2018 , 28, S72-S73	1.2	1
7	Obstructive sleep apneas naturally occur in mice during REM sleep and are highly prevalent in a mouse model of Down syndrome. <i>Neurobiology of Disease</i> , 2021 , 159, 105508	7.5	1
6	Building the Future Therapies for Down Syndrome: The Third International Conference of the T21 Research Society. <i>Molecular Syndromology</i> , 2021 , 12, 202-218	1.5	1
5	Impaired Brain Mitochondrial Bioenergetics in the Ts65Dn Mouse Model of Down Syndrome Is Restored by Neonatal Treatment with the Polyphenol 7,8-Dihydroxyflavone.. <i>Antioxidants</i> , 2021 , 11,	7.1	1
4	Prenatal and Postnatal Pharmacotherapy in Down Syndrome: The Search to Prevent or Ameliorate Neurodevelopmental and Neurodegenerative Disorders.. <i>Annual Review of Pharmacology and Toxicology</i> , 2022 , 62, 211-233	17.9	0
3	Early postnatal oleic acid administration enhances synaptic development and cognitive abilities in the Ts65Dn mouse model of Down syndrome. <i>Nutritional Neuroscience</i> , 2020 , 1-13	3.6	0

- 2 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
- 1 Epigallocatechin-3-gallate **2021**, 619-630