

Liliana Minichiello

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

4,009
citations

430754

18
h-index

580701

25
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26
all docs

26
docs citations

26
times ranked

5978
citing authors

#	ARTICLE	IF	CITATIONS
1	TrkB signalling pathways in LTP and learning. <i>Nature Reviews Neuroscience</i> , 2009, 10, 850-860.	4.9	890
2	Essential Role for TrkB Receptors in Hippocampus-Mediated Learning. <i>Neuron</i> , 1999, 24, 401-414.	3.8	731
3	A role for the Ras signalling pathway in synaptic transmission and long-term memory. <i>Nature</i> , 1997, 390, 281-286.	13.7	449
4	Mechanism of Activity-Dependent Downregulation of the Neuron-Specific K-Cl Cotransporter KCC2. <i>Journal of Neuroscience</i> , 2004, 24, 4683-4691.	1.7	446
5	Mechanism of TrkB-Mediated Hippocampal Long-Term Potentiation. <i>Neuron</i> , 2002, 36, 121-137.	3.8	434
6	IGF2BP2/IMP2-Deficient Mice Resist Obesity through Enhanced Translation of Ucp1 mRNA and Other mRNAs Encoding Mitochondrial Proteins. <i>Cell Metabolism</i> , 2015, 21, 609-621.	7.2	148
7	NGF-TrkA Signaling by Sensory Nerves Coordinates the Vascularization and Ossification of Developing Endochondral Bone. <i>Cell Reports</i> , 2016, 16, 2723-2735.	2.9	134
8	NGF-TrkA signaling in sensory nerves is required for skeletal adaptation to mechanical loads in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E3632-E3641.	3.3	124
9	Knocking the NT4 gene into the BDNF locus rescues BDNF deficient mice and reveals distinct NT4 and BDNF activities. <i>Nature Neuroscience</i> , 2000, 3, 350-357.	7.1	91
10	Pancreatic islet chromatin accessibility and conformation reveals distal enhancer networks of type 2 diabetes risk. <i>Nature Communications</i> , 2019, 10, 2078.	5.8	82
11	IGF2 mRNA binding protein-2 is a tumor promoter that drives cancer proliferation through its client mRNAs IGF2 and HMGA1. <i>ELife</i> , 2017, 6, .	2.8	77
12	A Spaetzle-like role for nerve growth factor β in vertebrate immunity to <i>Staphylococcus aureus</i> . <i>Science</i> , 2014, 346, 641-646.	6.0	68
13	TrkB Modulates Fear Learning and Amygdalar Synaptic Plasticity by Specific Docking Sites. <i>Journal of Neuroscience</i> , 2009, 29, 10131-10143.	1.7	56
14	Neurotrophin Signaling Is Required for Glucose-Induced Insulin Secretion. <i>Developmental Cell</i> , 2016, 39, 329-345.	3.1	56
15	A Neurotrophic Mechanism Directs Sensory Nerve Transit in Cranial Bone. <i>Cell Reports</i> , 2020, 31, 107696.	2.9	42
16	Loss of NGF-TrkA Signaling from the CNS Is Not Sufficient to Induce Cognitive Impairments in Young Adult or Intermediate-Aged Mice. <i>Journal of Neuroscience</i> , 2012, 32, 14885-14898.	1.7	38
17	NGF-TrkA signaling dictates neural ingrowth and aberrant osteochondral differentiation after soft tissue trauma. <i>Nature Communications</i> , 2021, 12, 4939.	5.8	36
18	Liver-specific deletion of IGF2 mRNA binding protein-2/IMP2 reduces hepatic fatty acid oxidation and increases hepatic triglyceride accumulation. <i>Journal of Biological Chemistry</i> , 2019, 294, 11944-11951.	1.6	34

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19	Retinol Dehydrogenase-10 Regulates Pancreas Organogenesis and Endocrine Cell Differentiation via Paracrine Retinoic Acid Signaling. <i>Endocrinology</i> , 2016, 157, 4615-4631.	1.4	17
20	Immature Dentate Granule Cells Require Ntrk2/Trkb for the Formation of Functional Hippocampal Circuitry. <i>IScience</i> , 2020, 23, 101078.	1.9	14
21	IMP2 Increases Mouse Skeletal Muscle Mass and Voluntary Activity by Enhancing Autocrine Insulin-Like Growth Factor 2 Production and Optimizing Muscle Metabolism. <i>Molecular and Cellular Biology</i> , 2019, 39, .	1.1	12
22	Ablation of TrkB signalling in CCK neurons results in hypercortisolism and obesity. <i>Nature Communications</i> , 2014, 5, 3427.	5.8	11
23	Heart neurons use clock genes to control myocyte proliferation. <i>Science Advances</i> , 2021, 7, eabh4181.	4.7	10
24	NKCC1 Deficiency in Forming Hippocampal Circuits Triggers Neurodevelopmental Disorder: Role of BDNF-TrkB Signalling. <i>Brain Sciences</i> , 2022, 12, 502.	1.1	6
25	Long-term monitoring of hippocampus-dependent behavior in naturalistic settings: Mutant mice lacking neurotrophin receptor TrkB in the forebrain show spatial learning but impaired behavioral flexibility. <i>Hippocampus</i> , 2002, 12, 27.	0.9	3