Liliana Minichiello

List of Publications by Year
in descending order

25 papers	4,009 citations	430754 18 h-index	580701 25 g-index
26 all docs	26 docs citations	26 times ranked	5978 citing authors

#	Article	IF	Citations
1	NKCC1 Deficiency in Forming Hippocampal Circuits Triggers Neurodevelopmental Disorder: Role of BDNF-TrkB Signalling. Brain Sciences, 2022, 12, 502.	1.1	6
2	NGF-TrkA signaling dictates neural ingrowth and aberrant osteochondral differentiation after soft tissue trauma. Nature Communications, 2021, 12, 4939.	5.8	36
3	Heart neurons use clock genes to control myocyte proliferation. Science Advances, 2021, 7, eabh4181.	4.7	10
4	A Neurotrophic Mechanism Directs Sensory Nerve Transit in Cranial Bone. Cell Reports, 2020, 31, 107696.	2.9	42
5	Immature Dentate Granule Cells Require Ntrk2/Trkb for the Formation of Functional Hippocampal Circuitry. IScience, 2020, 23, 101078.	1.9	14
6	IMP2 Increases Mouse Skeletal Muscle Mass and Voluntary Activity by Enhancing Autocrine Insulin-Like Growth Factor 2 Production and Optimizing Muscle Metabolism. Molecular and Cellular Biology, 2019, 39, .	1.1	12
7	Liver-specific deletion of IGF2 mRNA binding protein-2/IMP2 reduces hepatic fatty acid oxidation and increases hepatic triglyceride accumulation. Journal of Biological Chemistry, 2019, 294, 11944-11951.	1.6	34
8	Pancreatic islet chromatin accessibility and conformation reveals distal enhancer networks of type 2 diabetes risk. Nature Communications, 2019, 10, 2078.	5.8	82
9	NGF-TrkA signaling in sensory nerves is required for skeletal adaptation to mechanical loads in mice. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E3632-E3641.	3.3	124
10	IGF2 mRNA binding protein-2 is a tumor promoter that drives cancer proliferation through its client mRNAs IGF2 and HMGA1. ELife, 2017, 6, .	2.8	77
11	NGF-TrkA Signaling by Sensory Nerves Coordinates the Vascularization and Ossification of Developing Endochondral Bone. Cell Reports, 2016, 16, 2723-2735.	2.9	134
12	Neurotrophin Signaling Is Required for Glucose-Induced Insulin Secretion. Developmental Cell, 2016, 39, 329-345.	3.1	56
13	Retinol Dehydrogenase-10 Regulates Pancreas Organogenesis and Endocrine Cell Differentiation via Paracrine Retinoic Acid Signaling. Endocrinology, 2016, 157, 4615-4631.	1.4	17
14	IGF2BP2/IMP2-Deficient Mice Resist Obesity through Enhanced Translation of Ucp1 mRNA and Other mRNAs Encoding Mitochondrial Proteins. Cell Metabolism, 2015, 21, 609-621.	7.2	148
15	Ablation of TrkB signalling in CCK neurons results in hypercortisolism and obesity. Nature Communications, 2014, 5, 3427.	5.8	11
16	A Spaetzle-like role for nerve growth factor Î² in vertebrate immunity to Staphylococcus aureus. Science, 2014, 346, 641-646.	6.0	68
17	Loss of NGF-TrkA Signaling from the CNS Is Not Sufficient to Induce Cognitive Impairments in Young Adult or Intermediate-Aged Mice. Journal of Neuroscience, 2012, 32, 14885-14898.	1.7	38
18	TrkB Modulates Fear Learning and Amygdalar Synaptic Plasticity by Specific Docking Sites. Journal of Neuroscience, 2009, 29, 10131-10143.	1.7	56

#	Article	IF	Citations
19	TrkB signalling pathways in LTP and learning. Nature Reviews Neuroscience, 2009, 10, 850-860.	4.9	890
20	Mechanism of Activity-Dependent Downregulation of the Neuron-Specific K-Cl Cotransporter KCC2. Journal of Neuroscience, 2004, 24, 4683-4691.	1.7	446
21	Mechanism of TrkB-Mediated Hippocampal Long-Term Potentiation. Neuron, 2002, 36, 121-137.	3.8	434
22	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. Hippocampus, 2002, 12, 27.	0.9	3
23	Knocking the NT4 gene into the BDNF locus rescues BDNF deficient mice and reveals distinct NT4 and BDNF activities. Nature Neuroscience, 2000, 3, 350-357.	7.1	91
24	Essential Role for TrkB Receptors in Hippocampus-Mediated Learning. Neuron, 1999, 24, 401-414.	3.8	731
25	A role for the Ras signalling pathway in synaptic transmission and long-term memory. Nature, 1997, 390, 281-286.	13.7	449