

# Davide De Pietri Tonelli

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

1,974  
citations

304743

22  
h-index

395702

33  
g-index

39  
all docs

39  
docs citations

39  
times ranked

3696  
citing authors

#	ARTICLE	IF	CITATIONS
1	miRNAs are essential for survival and differentiation of newborn neurons but not for expansion of neural progenitors during early neurogenesis in the mouse embryonic neocortex. <i>Development (Cambridge)</i> , 2008, 135, 3911-3921.	2.5	309
2	Layer-specific excitatory circuits differentially control recurrent network dynamics in the neocortex. <i>Nature Neuroscience</i> , 2013, 16, 227-234.	14.8	203
3	Astrocyte deletion of Bmal1 alters daily locomotor activity and cognitive functions via GABA signalling. <i>Nature Communications</i> , 2017, 8, 14336.	12.8	162
4	TBC1D24, an ARF6-Interacting Protein, Is Mutated in Familial Infantile Myoclonic Epilepsy. <i>American Journal of Human Genetics</i> , 2010, 87, 365-370.	6.2	134
5	Convergent repression of Foxp2 3'UTR by miR-9 and miR-132 in embryonic mouse neocortex: implications for radial migration of neurons. <i>Development (Cambridge)</i> , 2012, 139, 3332-3342.	2.5	125
6	Convergent microRNA actions coordinate neocortical development. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 2975-2995.	5.4	80
7	Translational regulation of BACE-1 expression in neuronal and non-neuronal cells. <i>Nucleic Acids Research</i> , 2004, 32, 1808-1817.	14.5	79
8	Single-cell detection of microRNAs in developing vertebrate embryos after acute administration of a dual-fluorescence reporter/sensor plasmid. <i>BioTechniques</i> , 2006, 41, 727-732.	1.8	71
9	Oppositional effects of serotonin receptors 5-HT1a, 2, and 2c in the regulation of adult hippocampal neurogenesis. <i>Frontiers in Molecular Neuroscience</i> , 2010, 3, .	2.9	65
10	Splice variants of the Î²-site APP-cleaving enzyme BACE1 in human brain and pancreas. <i>Biochemical and Biophysical Research Communications</i> , 2002, 293, 30-37.	2.1	58
11	Circadian glucocorticoid oscillations preserve a population of adult hippocampal neural stem cells in the aging brain. <i>Molecular Psychiatry</i> , 2020, 25, 1382-1405.	7.9	58
12	COMT Genetic Reduction Produces Sexually Divergent Effects on Cortical Anatomy and Working Memory in Mice and Humans. <i>Cerebral Cortex</i> , 2015, 25, 2529-2541.	2.9	57
13	Developmental excitatory-to-inhibitory GABA-polarity switch is disrupted in 22q11.2 deletion syndrome: a potential target for clinical therapeutics. <i>Scientific Reports</i> , 2017, 7, 15752.	3.3	51
14	Synergic Functions of miRNAs Determine Neuronal Fate of Adult Neural Stem Cells. <i>Stem Cell Reports</i> , 2017, 8, 1046-1061.	4.8	49
15	Sox2 is required for embryonic development of the ventral telencephalon through the activation of the ventral determinants Nlx2.1 and Shh. <i>Development (Cambridge)</i> , 2013, 140, 1250-1261.	2.5	48
16	MicroRNA-independent functions of DGCR8 are essential for neocortical development and TBR1 expression. <i>EMBO Reports</i> , 2017, 18, 603-618.	4.5	47
17	MiR-30e and miR-181d control Radial Glia cell proliferation via HtrA1 modulation. <i>Cell Death and Disease</i> , 2012, 3, e360-e360.	6.3	44
18	Deletion of astrocytic BMAL1 results in metabolic imbalance and shorter lifespan in mice. <i>Glia</i> , 2020, 68, 1131-1147.	4.9	41

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19	MiR-135a-5p Is Critical for Exercise-Induced Adult Neurogenesis. <i>Stem Cell Reports</i> , 2019, 12, 1298-1312.	4.8	37
20	A study of neural-related microRNAs in the developing amphioxus. <i>EvoDevo</i> , 2011, 2, 15.	3.2	33
21	Lamin B1 levels modulate differentiation into neurons during embryonic corticogenesis. <i>Scientific Reports</i> , 2017, 7, 4897.	3.3	33
22	Re-evaluation of primary structure, topology, and localization of Scamper, a putative intracellular Ca <sup>2+</sup> channel activated by sphingosylphosphocholine. <i>Biochemical Journal</i> , 2002, 362, 183-189.	3.7	30
23	Nano-volume drop patterning for rapid on-chip neuronal connect-ability assays. <i>Lab on A Chip</i> , 2013, 13, 4419.	6.0	22
24	4D (x-y-z-t) imaging of thick biological samples by means of Two-Photon inverted Selective Plane Illumination Microscopy (2PE-iSPIM). <i>Scientific Reports</i> , 2016, 6, 23923.	3.3	22
25	Re-evaluation of primary structure, topology, and localization of Scamper, a putative intracellular Ca <sup>2+</sup> channel activated by sphingosylphosphocholine. <i>Biochemical Journal</i> , 2002, 362, 183.	3.7	18
26	A Xenotransplant Model of Human Brain Tumors in Wild-Type Mice. <i>IScience</i> , 2020, 23, 100813.	4.1	16
27	Detection and Monitoring of MicroRNA Expression in Developing Mouse Brain and Fixed Brain Cryosections. <i>Methods in Molecular Biology</i> , 2014, 1092, 31-42.	0.9	16
28	A new SWATH ion library for mouse adult hippocampal neural stem cells. <i>Data in Brief</i> , 2018, 18, 1-8.	1.0	14
29	Astrocytes and Circadian Rhythms: An Emerging Astrocyte-Neuron Synergy in the Timekeeping System. <i>Methods in Molecular Biology</i> , 2019, 1938, 131-154.	0.9	12
30	Translational control of Scamper expression via a cell-specific internal ribosome entry site. <i>Nucleic Acids Research</i> , 2003, 31, 2508-2513.	14.5	11
31	LC-MS/MS analysis of twelve neurotransmitters and amino acids in mouse cerebrospinal fluid. <i>Journal of Neuroscience Methods</i> , 2020, 341, 108760.	2.5	11
32	DGCR8 Promotes Neural Progenitor Expansion and Represses Neurogenesis in the Mouse Embryonic Neocortex. <i>Frontiers in Neuroscience</i> , 2018, 12, 281.	2.8	7
33	Adult Neural Stem Cell Regulation by Small Non-coding RNAs: Physiological Significance and Pathological Implications. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 781434.	3.7	7
34	P4-169 Translational control of BACE-1 expression. <i>Neurobiology of Aging</i> , 2004, 25, S523.	3.1	0
35	Methodological Challenges in Functional Investigation and Therapeutic Use of microRNAs. , 2017, , 61-79.		0