Tania Vitalis

List of Publications by Year
in descending order

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52 papers	3,657 citations	126907 33 h-index	214800 47 g-index
52 all docs	52 docs citations	52 times ranked	4209 citing authors

#	Article	IF	Citations
1	Lack of Barrels in the Somatosensory Cortex of Monoamine Oxidase Aâ€“Deficient Mice: Role of a Serotonin Excess during the Critical Period. Neuron, 1996, 16, 297-307.	8.1	493
2	Control of cortical interneuron migration by neurotrophins and PI3-kinase signaling. Development (Cambridge), 2002, 129, 3147-3160.	2.5	300
3	PLC-Î²1, activated via mGluRs, mediates activity-dependent differentiation in cerebral cortex. Nature Neuroscience, 2001, 4, 282-288.	14.8	210
4	Plasma Membrane Transporters of Serotonin, Dopamine, and Norepinephrine Mediate Serotonin Accumulation in Atypical Locations in the Developing Brain of Monoamine Oxidase A Knock-Outs. Journal of Neuroscience, 1998, 18, 6914-6927.	3.6	158
5	The Role of Serotonin in Early Cortical Development. Developmental Neuroscience, 2003, 25, 245-256.	2.0	142
6	Embryonic depletion of serotonin affects cortical development. European Journal of Neuroscience, 2007, 26, 331-344.	2.6	138
7	Control of cortical interneuron migration by neurotrophins and PI3-kinase signaling. Development (Cambridge), 2002, 129, 3147-60.	2.5	138
8	Effects of monoamine oxidase A inhibition on barrel formation in the mouse somatosensory cortex: Determination of a sensitive developmental period. , 1998, 393, 169-184.		128
9	Serotonin 3A Receptor Subtype as an Early and Protracted Marker of Cortical Interneuron Subpopulations. Cerebral Cortex, 2010, 20, 2333-2347.	2.9	128
10	The N-terminal region of reelin regulates postnatal dendritic maturation of cortical pyramidal neurons. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7227-7232.	7.1	103
11	The transcription factor Pax6 is required for development of the diencephalic dorsal midline secretory radial glia that form the subcommissural organ. Mechanisms of Development, 2001, 109, 215-224.	1.7	94
12	Integrating whole transcriptome assays on a lab-on-a-chip for single cell gene profiling. Lab on A Chip, 2008, 8, 443.	6.0	92
13	Neuronal nitric oxide synthase expressing neurons: a journey from birth to neuronal circuits. Frontiers in Neural Circuits, 2012, 6, 82.	2.8	88
14	Defects of Tyrosine Hydroxylase-Immunoreactive Neurons in the Brains of Mice Lacking the Transcription Factor Pax6. Journal of Neuroscience, 2000, 20, 6501-6516.	3.6	84
15	Developmental expression of monoamine oxidases A and B in the central and peripheral nervous systems of the mouse. Journal of Comparative Neurology, 2002, 442, 331-347.	1.6	84
16	Conserved pattern of tangential neuronal migration during forebrain development. Development (Cambridge), 2007, 134, 2815-2827.	2.5	84
17	The type 1 cannabinoid receptor is highly expressed in embryonic cortical projection neurons and negatively regulates neurite growth in vitro. European Journal of Neuroscience, 2008, 28, 1705-1718.	2.6	81
18	Serotonin receptor 3A controls interneuron migration into the neocortex. Nature Communications, 2014, 5, 5524.	12.8	74

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19	Characterization of Type I and Type II nNOS-Expressing Interneurons in the Barrel Cortex of Mouse. Frontiers in Neural Circuits, 2012, 6, 36.	2.8	72
20	Chronic cannabinoid exposure during adolescence leads to long-term structural and functional changes in the prefrontal cortex. European Neuropsychopharmacology, 2016, 26, 55-64.	0.7	66
21	Serotonin homeostasis and serotonin receptors as actors of cortical construction: special attention to the 5-HT3A and 5-HT6 receptor subtypes. Frontiers in Cellular Neuroscience, 2013, 7, 93.	3.7	65
22	Diversity of GABAergic Interneurons in Layer VIa and VIb of Mouse Barrel Cortex. Cerebral Cortex, 2013, 23, 423-441.	2.9	51
23	Gene expression signature of cerebellar hypoplasia in a mouse model of Down syndrome during postnatal development. BMC Genomics, 2009, 10, 138.	2.8	50
24	Effects of genetic depletion of monoamines on somatosensory cortical development. Neuroscience, 2002, 115, 753-764.	2.3	48
25	Expression of Cux-1 and Cux-2 in the developing somatosensory cortex of normal and barrel-defective mice. The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology, 2006, 288A, 158-165.	2.0	47
26	Interactions between TrkB Signaling and Serotonin Excess in the Developing Murine Somatosensory Cortex: A Role in Tangential and Radial Organization of Thalamocortical Axons. Journal of Neuroscience, 2002, 22, 4987-5000.	3.6	45
27	Synaptic Ras GTPase Activating Protein Regulates Pattern Formation in the Trigeminal System of Mice. Journal of Neuroscience, 2006, 26, 1355-1365.	3.6	44
28	Developmental Cell Death Is Enhanced in the Cerebral Cortex of Mice Lacking the Brain Vesicular Monoamine Transporter. Journal of Neuroscience, 2007, 27, 1315-1324.	3.6	43
29	Molecular control of two novel migratory paths for CGE-derived interneurons in the developing mouse brain. Development (Cambridge), 2016, 143, 1753-65.	2.5	43
30	Development of the dopaminergic neurons in the rodent brainstem. Experimental Neurology, 2005, 191, S104-S112.	4.1	42
31	New Pool of Cortical Interneuron Precursors in the Early Postnatal Dorsal White Matter. Cerebral Cortex, 2012, 22, 86-98.	2.9	42
32	Frequency-domain wide-field laser Doppler in vivo imaging. Optics Letters, 2006, 31, 2762.	3.3	41
33	Differential expression of two NMDA receptor interacting proteins, PSD-95 and SynGAP during mouse development. European Journal of Neuroscience, 2005, 21, 351-362.	2.6	40
34	Activation of cortical 5-HT3 receptor-expressing interneurons induces NO mediated vasodilatations and NPY mediated vasoconstrictions. Frontiers in Neural Circuits, 2012, 6, 50.	2.8	38
35	Proliferation deficits and gene expression dysregulation in Down's syndrome (Ts1Cje) neural progenitor cells cultured from neurospheres. Journal of Neuroscience Research, 2009, 87, 3143-3152.	2.9	37
36	Developmental expression pattern of monoamine oxidases in sensory organs and neural crest derivatives. Journal of Comparative Neurology, 2003, 464, 392-403.	1.6	34

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37	New insights into cortical interneurons development and classification: Contribution of developmental studies. Developmental Neurobiology, 2011, 71, 34-44.	3.0	31
38	The Somatostatin 2A Receptor Is Enriched in Migrating Neurons during Rat and Human Brain Development and Stimulates Migration and Axonal Outgrowth. PLoS ONE, 2009, 4, e5509.	2.5	28
39	Activation of type-1 cannabinoid receptor shifts the balance between excitation and inhibition towards excitation in layer II/III pyramidal neurons of the rat prelimbic cortex. Pflugers Archiv European Journal of Physiology, 2015, 467, 1551-1564.	2.8	23
40	Cortical blood flow assessment with frequency-domain laser Doppler microscopy. Journal of Biomedical Optics, 2007, 12, 024019.	2.6	20
41	Two specific populations of GABAergic neurons originating from the medial and the caudal ganglionic eminences aid in proper navigation of callosal axons. Developmental Neurobiology, 2013, 73, 647-672.	3.0	20
42	Holographic laser Doppler imaging of microvascular blood flow. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, 2723.	1.5	19
43	RORÎ± Coordinates Thalamic and Cortical Maturation to Instruct Barrel Cortex Development. Cerebral Cortex, 2018, 28, 3994-4007.	2.9	15
44	High-speed wave-mixing laser Doppler imaging in vivo. Optics Letters, 2008, 33, 842.	3.3	14
45	Degenerative abnormalities in transgenic neocortical neuropeptide Y interneurons expressing tauâ€green fluorescent protein. Journal of Neuroscience Research, 2010, 88, 487-499.	2.9	6
46	Poly(ADP-Ribose) Polymerase Inhibitor PJ34 Reduces Brain Damage after Stroke in the Neonatal Mouse Brain. Current Issues in Molecular Biology, 2021, 43, 301-312.	2.4	5
47	Retinoid receptor-related orphan receptor alpha: a key gene setting brain circuits. Neural Regeneration Research, 2018, 13, 791.	3.0	5
48	Sculpting Cerebral Cortex with Serotonin in Rodent and Primate. , 2017, , .		3
49	Molecular and electrophysiological features of GABAergic neurons in the dentate gyrus reveal limited homology with cortical interneurons. PLoS ONE, 2022, 17, e0270981.	2.5	1
50	Roles of the Serotoninergic System in Coping with Traumatic Stress. , 0, , .		0
51	Chapter 3. From Unicellular to Multicellular Organismsâˆ¶ Tells from Evolution and from Development. RSC Nanoscience and Nanotechnology, 2010, , 26-35.	0.2	0
52	Chapter 4. Understanding Cellular Differentiation. RSC Nanoscience and Nanotechnology, 2010, , 36-44.	0.2	0