

Laurent Nguyen

List of Publications by Year in descending order

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56
papers

4,503
citations

172457

29
h-index

149698

56
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62
all docs

62
docs citations

62
times ranked

7163
citing authors

#	ARTICLE	IF	CITATIONS
1	Elongator Controls the Migration and Differentiation of Cortical Neurons through Acetylation of α -Tubulin. <i>Cell</i> , 2009, 136, 551-564.	28.9	688
2	Neurotransmitters as early signals for central nervous system development. <i>Cell and Tissue Research</i> , 2001, 305, 187-202.	2.9	335
3	p27 ^{kip1} independently promotes neuronal differentiation and migration in the cerebral cortex. <i>Genes and Development</i> , 2006, 20, 1511-1524.	5.9	320
4	Temporal patterning of apical progenitors and their daughter neurons in the developing neocortex. <i>Science</i> , 2019, 364, .	12.6	275
5	Proneural bHLH and Brn Proteins Coregulate a Neurogenic Program through Cooperative Binding to a Conserved DNA Motif. <i>Developmental Cell</i> , 2006, 11, 831-844.	7.0	267
6	Huntingtin Is Required for Mitotic Spindle Orientation and Mammalian Neurogenesis. <i>Neuron</i> , 2010, 67, 392-406.	8.1	240
7	A Dynamic Unfolded Protein Response Contributes to the Control of Cortical Neurogenesis. <i>Developmental Cell</i> , 2015, 35, 553-567.	7.0	169
8	Autocrine/Paracrine Activation of the GABA _A Receptor Inhibits the Proliferation of Neurogenic Polysialylated Neural Cell Adhesion Molecule-Positive (PSA-NCAM ⁺) Precursor Cells from Postnatal Striatum. <i>Journal of Neuroscience</i> , 2003, 23, 3278-3294.	3.6	137
9	Elp3 links tRNA modification to IRES-dependent translation of LEF1 to sustain metastasis in breast cancer. <i>Journal of Experimental Medicine</i> , 2016, 213, 2503-2523.	8.5	128
10	Stress-induced unfolded protein response contributes to Zika virus-associated microcephaly. <i>Nature Neuroscience</i> , 2018, 21, 63-71.	14.8	106
11	Mutations in the HECT domain of NEDD4L lead to AKT/mTOR pathway deregulation and cause periventricular nodular heterotopia. <i>Nature Genetics</i> , 2016, 48, 1349-1358.	21.4	101
12	Molecular layers underlying cytoskeletal remodelling during cortical development. <i>Trends in Neurosciences</i> , 2010, 33, 38-47.	8.6	99
13	p27Kip1 Is a Microtubule-Associated Protein that Promotes Microtubule Polymerization during Neuron Migration. <i>Developmental Cell</i> , 2012, 23, 729-744.	7.0	97
14	Coupling Cell Cycle Exit, Neuronal Differentiation and Migration in Cortical Neurogenesis. <i>Cell Cycle</i> , 2006, 5, 2314-2318.	2.6	96
15	Cell migration promotes dynamic cellular interactions to control cerebral cortex morphogenesis. <i>Nature Reviews Neuroscience</i> , 2019, 20, 318-329.	10.2	88
16	Recent African strains of Zika virus display higher transmissibility and fetal pathogenicity than Asian strains. <i>Nature Communications</i> , 2021, 12, 916.	12.8	80
17	Cortical progenitor biology: key features mediating proliferation versus differentiation. <i>Journal of Neurochemistry</i> , 2018, 146, 500-525.	3.9	77
18	Cerebral cortex development: an outside-in perspective. <i>FEBS Letters</i> , 2017, 591, 3978-3992.	2.8	75

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19	Glycine Receptor $\hat{\pm}$ 2 Subunit Activation Promotes Cortical Interneuron Migration. <i>Cell Reports</i> , 2013, 4, 738-750.	6.4	74
20	EFHC1 interacts with microtubules to regulate cell division and cortical development. <i>Nature Neuroscience</i> , 2009, 12, 1266-1274.	14.8	68
21	Neural Stem Cells to Cerebral Cortex: Emerging Mechanisms Regulating Progenitor Behavior and Productivity. <i>Journal of Neuroscience</i> , 2016, 36, 11394-11401.	3.6	67
22	MicroRNA Targeting of CoREST Controls Polarization of Migrating Cortical Neurons. <i>Cell Reports</i> , 2014, 7, 1168-1183.	6.4	65
23	Zika virus differentially infects human neural progenitor cells according to their state of differentiation and dysregulates neurogenesis through the Notch pathway. <i>Emerging Microbes and Infections</i> , 2019, 8, 1003-1016.	6.5	64
24	p27 controls autophagic vesicle trafficking in glucose-deprived cells via the regulation of ATAT1-mediated microtubule acetylation. <i>Cell Death and Disease</i> , 2021, 12, 481.	6.3	63
25	Emerging Roles for the Unfolded Protein Response in the Developing Nervous System. <i>Trends in Neurosciences</i> , 2016, 39, 394-404.	8.6	60
26	Elongator subunit 3 (ELP3) modifies ALS through tRNA modification. <i>Human Molecular Genetics</i> , 2018, 27, 1276-1289.	2.9	56
27	Dopaminergic neurons differentiating from LRRK2 G2019S induced pluripotent stem cells show early neuritic branching defects. <i>Scientific Reports</i> , 2016, 6, 33377.	3.3	54
28	Elongator “ an emerging role in neurological disorders. <i>Trends in Molecular Medicine</i> , 2010, 16, 1-6.	6.7	52
29	Cell-Intrinsic Control of Interneuron Migration Drives Cortical Morphogenesis. <i>Cell</i> , 2018, 172, 1063-1078.e19.	28.9	48
30	ATAT1-enriched vesicles promote microtubule acetylation via axonal transport. <i>Science Advances</i> , 2019, 5, eaax2705.	10.3	42
31	A yellow fever “Zika chimeric virus vaccine candidate protects against Zika infection and congenital malformations in mice. <i>Npj Vaccines</i> , 2018, 3, 56.	6.0	41
32	Elongator controls cortical interneuron migration by regulating actomyosin dynamics. <i>Cell Research</i> , 2016, 26, 1131-1148.	12.0	37
33	Glycine receptors control the generation of projection neurons in the developing cerebral cortex. <i>Cell Death and Differentiation</i> , 2014, 21, 1696-1708.	11.2	33
34	p27Kip1 Modulates Axonal Transport by Regulating $\hat{\pm}$ -Tubulin Acetyltransferase 1 Stability. <i>Cell Reports</i> , 2018, 23, 2429-2442.	6.4	30
35	Mechanical Forces Orchestrate Brain Development. <i>Trends in Neurosciences</i> , 2021, 44, 110-121.	8.6	29
36	Cerebral Cortical Circuitry Formation Requires Functional Glycine Receptors. <i>Cerebral Cortex</i> , 2017, 27, bhw025.	2.9	26

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37	The Unfolded Protein Response: A Key Player in Zika Virus-Associated Congenital Microcephaly. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 94.	3.7	25
38	Progenitor genealogy in the developing cerebral cortex. <i>Cell and Tissue Research</i> , 2015, 359, 17-32.	2.9	23
39	A clinical and histopathological study of malformations observed in fetuses infected by the Zika virus. <i>Brain Pathology</i> , 2019, 29, 114-125.	4.1	19
40	Genetic and pharmacological inhibition of Cdk1 provides neuroprotection towards ischemic neuronal death. <i>Cell Death Discovery</i> , 2018, 4, 43.	4.7	16
41	Oligodendrocyte precursors guide interneuron migration by unidirectional contact repulsion. <i>Science</i> , 2022, 376, eabn6204.	12.6	16
42	Loss of Elp3 Impairs the Acetylation and Distribution of Connexin-43 in the Developing Cerebral Cortex. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 122.	3.7	15
43	Proteostasis is essential during cochlear development for neuron survival and hair cell polarity. <i>EMBO Reports</i> , 2019, 20, e47097.	4.5	14
44	Loss of tRNA-modifying enzyme Elp3 activates a p53-dependent antitumor checkpoint in hematopoiesis. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	14
45	Coordination between Transport and Local Translation in Neurons. <i>Trends in Cell Biology</i> , 2021, 31, 372-386.	7.9	14
46	Voluntary alcohol binge drinking in adolescent C57Bl6 mice induces delayed appearance of behavioural defects in both males and females. <i>Addiction Biology</i> , 2021, , e13102.	2.6	13
47	ATP-citrate lyase promotes axonal transport across species. <i>Nature Communications</i> , 2021, 12, 5878.	12.8	11
48	Real-time Recordings of Migrating Cortical Neurons from GFP and Cre Recombinase Expressing Mice. <i>Current Protocols in Neuroscience</i> , 2016, 74, 3.29.1-3.29.23.	2.6	8
49	Time lapse recording of cortical interneuron migration in mouse organotypic brain slices and explants. <i>STAR Protocols</i> , 2021, 2, 100467.	1.2	6
50	Learning about cell lineage, cellular diversity and evolution of the human brain through stem cell models. <i>Current Opinion in Neurobiology</i> , 2021, 66, 166-177.	4.2	5
51	Lessons learnt from the emergence of Zika virus. <i>Nature Microbiology</i> , 2018, 3, 966-968.	13.3	2
52	Ex Vivo Recording of Axonal Transport Dynamics on Postnatal Organotypic Cortical Slices. <i>STAR Protocols</i> , 2020, 1, 100131.	1.2	2
53	Molecular Analysis of Axonal Transport Dynamics upon Modulation of Microtubule Acetylation. <i>Methods in Molecular Biology</i> , 2022, 2431, 207-224.	0.9	2
54	Importin-8 Modulates Division of Apical Progenitors, Dendritogenesis and Tangential Migration During Development of Mouse Cortex. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 234.	2.9	1

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55	Classics never get old: neurotransmitters shape human cortical interneuron migration. EMBO Journal, 2021, 40, e109935.	7.8	1
56	E3 ubiquitin ligases and cerebral cortex development in health and disease. Developmental Neurobiology, 2022, , .	3.0	0