Laure Bally-Cuif

List of Publications by Year
in descending order

77	8,072	46918	69108
papers	citations	47 h-index	77 g-index

84	84	84	7748
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Towards a Comprehensive Catalog of Zebrafish Behavior 1.0 and Beyond. Zebrafish, 2013, 10, 70-86.	0.5	795
2	Neural plate patterning: Upstream and downstream of the isthmic organizer. Nature Reviews Neuroscience, 2001, 2, 99-108.	4.9	515
3	A Î³â€secretase inhibitor blocks Notch signalingin vivoand causes a severe neurogenic phenotype in zebrafish. EMBO Reports, 2002, 3, 688-694.	2.0	459
4	Conserved and acquired features of adult neurogenesis in the zebrafish telencephalon. Developmental Biology, 2006, 295, 278-293.	0.9	387
5	MicroRNA-9 directs late organizer activity of the midbrain-hindbrain boundary. Nature Neuroscience, 2008, 11, 641-648.	7.1	288
6	Adult zebrafish as a model organism for behavioural genetics. BMC Neuroscience, 2010, 11, 90.	0.8	283
7	miR-9: a versatile regulator of neurogenesis. Frontiers in Cellular Neuroscience, 2013, 7, 220.	1.8	254
8	Notch Activity Levels Control the Balance between Quiescence and Recruitment of Adult Neural Stem Cells. Journal of Neuroscience, 2010, 30, 7961-7974.	1.7	247
9	Heterogeneity in progenitor cell subtypes in the ventricular zone of the zebrafish adult telencephalon. Glia, 2010, 58, 870-888.	2.5	233
10	parachute/n-cadherinis required for morphogenesis and maintained integrity of the zebrafish neural tube. Development (Cambridge), 2002, 129, 3281-3294.	1.2	205
11	A comparative view of regenerative neurogenesis in vertebrates. Development (Cambridge), 2016, 143, 741-753.	1.2	199
12	Adult neurogenesis in nonâ€mammalian vertebrates. BioEssays, 2007, 29, 745-757.	1.2	192
13	Stab wound injury of the zebrafish telencephalon: A model for comparative analysis of reactive gliosis. Glia, 2012, 60, 343-357.	2.5	189
14	The zebrafish as a model system for assessing the reinforcing properties of drugs of abuse. Methods, 2006, 39, 262-274.	1.9	188
15	Clonal analysis by distinct viral vectors identifies bona fide neural stem cells in the adult zebrafish telencephalon and characterizes their division properties and fate. Development (Cambridge), 2011, 138, 1459-1469.	1.2	170
16	Comparative analysis of serotonin receptor (HTR1A/HTR1B families) and transporter (slc6a4a/b) gene expression in the zebrafish brain. Journal of Comparative Neurology, 2008, 511, 521-542.	0.9	145
17	MicroRNAs in brain development and physiology. Current Opinion in Neurobiology, 2009, 19, 461-470.	2.0	136
18	Axonal projections originating from raphe serotonergic neurons in the developing and adult zebrafish, Danio rerio, using transgenics to visualize rapheâ€specific pet1 expression. Journal of Comparative Neurology, 2009, 512, 158-182.	0.9	134

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19	miR-9 Controls the Timing of Neurogenesis through the Direct Inhibition of Antagonistic Factors. Developmental Cell, 2012, 22, 1052-1064.	3.1	133
20	Modulation of Fgfr1a Signaling in Zebrafish Reveals a Genetic Basis for the Aggressionâ€“Boldness Syndrome. Journal of Neuroscience, 2011, 31, 13796-13807.	1.7	130
21	Radial glia and neural progenitors in the adult zebrafish central nervous system. Glia, 2015, 63, 1406-1428.	2.5	129
22	Notch3 signaling gates cell cycle entry and limits neural stem cell amplification in the adult pallium. Development (Cambridge), 2013, 140, 3335-3347.	1.2	111
23	Induction and patterning of neuronal development, and its connection to cell cycle control. Current Opinion in Neurobiology, 2003, 13, 16-25.	2.0	100
24	Emotions and motivated behavior converge on an amygdalaâ€like structure in the zebrafish. European Journal of Neuroscience, 2014, 40, 3302-3315.	1.2	98
25	Genetic identification of AChE as a positive modulator of addiction to the psychostimulant D-amphetamine in zebrafish. Journal of Neurobiology, 2006, 66, 463-475.	3.7	93
26	Retinoic acid activates myogenesis in vivo through Fgf8 signalling. Developmental Biology, 2006, 289, 127-140.	0.9	89
27	Spatial Regionalization and Heterochrony in the Formation of Adult Pallial Neural Stem Cells. Developmental Cell, 2014, 30, 123-136.	3.1	88
28	her5 expression reveals a pool of neural stem cells in the adult zebrafish midbrain. Development (Cambridge), 2006, 133, 4293-4303.	1.2	85
29	The serotonergic phenotype is acquired by converging genetic mechanisms within the zebrafish central nervous system. Developmental Dynamics, 2007, 236, 1072-1084.	0.8	85
30	Requirements for endoderm and BMP signaling in sensory neurogenesis in zebrafish. Development (Cambridge), 2005, 132, 3731-3742.	1.2	82
31	bHLH transcription factor Her5 links patterning to regional inhibition of neurogenesis at the midbrain-hindbrain boundary. Development (Cambridge), 2003, 130, 1591-1604.	1.2	75
32	Molecular cloning of Zcoe2, the zebrafish homolog of Xenopus Xcoe2 and mouse EBF-2, and its expression during primary neurogenesis. Mechanisms of Development, 1998, 77, 85-90.	1.7	74
33	Cloning of two tryptophan hydroxylase genes expressed in the diencephalon of the developing zebrafish brain. Mechanisms of Development, 2002, 119, S215-S220.	1.7	72
34	Zebrafish reward mutants reveal novel transcripts mediating the behavioral effects of amphetamine. Genome Biology, 2009, 10, R81.	13.9	71
35	Tracing of her5 progeny in zebrafish transgenics reveals the dynamics of midbrain-hindbrain neurogenesis and maintenance. Development (Cambridge), 2003, 130, 4307-4323.	1.2	70
36	The Helix-Loop-Helix Protein Id1 Controls Stem Cell Proliferation During Regenerative Neurogenesis in the Adult Zebrafish Telencephalon. Stem Cells, 2015, 33, 892-903.	1.4	69

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37	Neural stem cell quiescence and stemness are molecularly distinct outputs of the Notch3 signaling cascade in the vertebrate adult brain. Development (Cambridge), 2018, 145, .	1.2	69
38	Homeodomain Protein Otp and Activity-Dependent Splicing Modulate Neuronal Adaptation to Stress. Neuron, 2012, 73, 279-291.	3.8	68
39	Her5 acts as a prepattern factor that blocks neurogenin1 and coe2 expression upstream of Notch to inhibit neurogenesis at the midbrain-hindbrain boundary. Development (Cambridge), 2004, 131, 1993-2006.	1.2	64
40	NR4A2 controls the differentiation of selective dopaminergic nuclei in the zebrafish brain. Molecular and Cellular Neurosciences, 2008, 39, 592-604.	1.0	64
41	Photoactivation of the CreER^{T2} Recombinase for Conditional Site-Specific Recombination with High Spatiotemporal Resolution. Zebrafish, 2010, 7, 199-204.	0.5	61
42	Expression of Hairy/enhancer of split genes in neural progenitors and neurogenesis domains of the adult zebrafish brain. Journal of Comparative Neurology, 2011, 519, 1748-1769.	0.9	59
43	Time to recognize zebrafish â€˜affectiveâ€™ behavior. Behaviour, 2012, 149, 1019-1036.	0.4	59
44	A Nuclear Role for miR-9 and Argonaute Proteins in Balancing Quiescent and Activated Neural Stem Cell States. Cell Reports, 2016, 17, 1383-1398.	2.9	57
45	Life-Long Neurogenic Activity of Individual Neural Stem Cells and Continuous Growth Establish an Outside-In Architecture in the Teleost Pallium. Current Biology, 2017, 27, 3288-3301.e3.	1.8	57
46	Inter-Individual and Inter-Strain Variations in Zebrafish Locomotor Ontogeny. PLoS ONE, 2013, 8, e70172.	1.1	54
47	Her9 represses neurogenic fate downstream of Tbx1 and retinoic acid signaling in the inner ear. Development (Cambridge), 2011, 138, 397-408.	1.2	53
48	Large-scale live imaging of adult neural stem cells in their endogenous niche. Development (Cambridge), 2015, 142, 3592-600.	1.2	51
49	Inhibition of neurogenesis at the zebrafish midbrain-hindbrain boundary by the combined and dose-dependent activity of a new hairy/E(spl)gene pair. Development (Cambridge), 2005, 132, 75-88.	1.2	43
50	Identification of neural progenitor pools by E(Spl) factors in the embryonic and adult brain. Brain Research Bulletin, 2008, 75, 266-273.	1.4	42
51	Embryonic origin and lineage hierarchies of the neural progenitor subtypes building the zebrafish adult midbrain. Developmental Biology, 2016, 420, 120-135.	0.9	42
52	Fgf signaling in the zebrafish adult brain: Association of Fgf activity with ventricular zones but not cell proliferation. Journal of Comparative Neurology, 2008, 510, 422-439.	0.9	41
53	Transcriptional, post-transcriptional and chromatin-associated regulation of pri-miRNAs, pre-miRNAs and moRNAs. Nucleic Acids Research, 2016, 44, 3070-3081.	6.5	38
54	Lineage hierarchies and stochasticity ensure the long-term maintenance of adult neural stem cells. Science Advances, 2020, 6, eaaz5424.	4.7	37

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55	A Self-Organizing miR-132/Ctbp2 Circuit Regulates Bimodal Notch Signals and Glial Progenitor Fate Choice during Spinal Cord Maturation. Developmental Cell, 2014, 30, 423-436.	3.1	32
56	Pharmacological analysis of zebrafish lphn3.1 morphant larvae suggests that saturated dopaminergic signaling could underlie the ADHD-like locomotor hyperactivity. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2018, 84, 181-189.	2.5	32
57	Development of hypothalamic serotoninergic neurons requires Fgf signalling via the ETS-domain transcription factor Etv5b. Development (Cambridge), 2013, 140, 372-384.	1.2	31
58	Long-range evolutionary constraints reveal cis-regulatory interactions on the human X chromosome. Nature Communications, 2015, 6, 6904.	5.8	31
59	Conserved and Divergent Features of Adult Neurogenesis in Zebrafish. Frontiers in Cell and Developmental Biology, 2020, 8, 525.	1.8	30
60	LocalZProjector and DeProj: a toolbox for local 2D projection and accurate morphometrics of large 3D microscopy images. BMC Biology, 2021, 19, 136.	1.7	29
61	Dynamic spatiotemporal coordination of neural stem cell fate decisions occurs through local feedback in the adult vertebrate brain. Cell Stem Cell, 2021, 28, 1457-1472.e12.	5.2	29
62	A Serotonin Circuit Acts as an Environmental Sensor to Mediate Midline Axon Crossing through EphrinB2. Journal of Neuroscience, 2015, 35, 14794-14808.	1.7	24
63	Crybb2 coding for Î²B2-crystallin affects sensorimotor gating and hippocampal function. Mammalian Genome, 2013, 24, 333-348.	1.0	20
64	Neural stem cell pools in the vertebrate adult brain: Homeostasis from cellâ€autonomous decisions or community rules?. BioEssays, 2021, 43, e2000228.	1.2	16
65	Mosaic Heterochrony in Neural Progenitors Sustains Accelerated Brain Growth and Neurogenesis in the Juvenile Killifish N.Âfurzeri. Current Biology, 2020, 30, 736-745.e4.	1.8	15
66	Copy number variants in patients with intellectual disability affect the regulation of ARX transcription factor gene. Human Genetics, 2015, 134, 1163-1182.	1.8	14
67	Neurogenesis. Methods in Cell Biology, 2004, , 163-206.	0.5	12
68	Organization and physiology of the zebrafish nervous system. Fish Physiology, 2010, 29, 25-80.	0.2	12
69	Lensless microscopy platform for single cell and tissue visualization. Biomedical Optics Express, 2020, 11, 2806.	1.5	12
70	Gsk3Î²/PKA and Gli1 regulate the maintenance of neural progenitors at the midbrain-hindbrain boundary in concert with E(Spl) factor activity. Development (Cambridge), 2008, 135, 3137-3148.	1.2	11
71	The Enhancer of split transcription factor Her8a is a novel dimerisation partner for Her3 that controls anterior hindbrain neurogenesis in zebrafish. BMC Developmental Biology, 2011, 11, 27.	2.1	11
72	EuFishBioMed (COST Action BM0804): A European Network to Promote the Use of Small Fishes in Biomedical Research. Zebrafish, 2012, 9, 90-93.	0.5	7

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73	Neurogenesis. Methods in Cell Biology, 2004, 76, 163-206.	0.5	4
74	MicroRNAs in Brain Development. , 2015, , 447-488.		3
75	Neurogenesis in zebrafish. , 2020, , 643-697.		3
76	Editorial for Ã¢â‚¬Å“Regulatory RNAs in the nervous systemÃ¢â‚¬Â• Frontiers in Cellular Neuroscience, 2015, 9, 38.	1.8	1
77	Zebrafish Models of Attention-Deficit/Hyperactivity Disorder (ADHD). , 2017, , 145-169.		1