

# Nicolas Diotel

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

2,241  
citations

236925

25  
h-index

233421

45  
g-index

52  
all docs

52  
docs citations

52  
times ranked

2747  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aromatase in the brain of teleost fish: Expression, regulation and putative functions. <i>Frontiers in Neuroendocrinology</i> , 2010, 31, 172-192.	5.2	270
2	Heterogeneity in progenitor cell subtypes in the ventricular zone of the zebrafish adult telencephalon. <i>Glia</i> , 2010, 58, 870-888.	4.9	233
3	Effects of estradiol in adult neurogenesis and brain repair in zebrafish. <i>Hormones and Behavior</i> , 2013, 63, 193-207.	2.1	131
4	Secret talk between adipose tissue and central nervous system via secreted factors – an emerging frontier in the neurodegenerative research. <i>Journal of Neuroinflammation</i> , 2016, 13, 67.	7.2	128
5	Steroid Transport, Local Synthesis, and Signaling within the Brain: Roles in Neurogenesis, Neuroprotection, and Sexual Behaviors. <i>Frontiers in Neuroscience</i> , 2018, 12, 84.	2.8	110
6	Aromatase, brain sexualization and plasticity: the fish paradigm. <i>European Journal of Neuroscience</i> , 2010, 32, 2105-2115.	2.6	91
7	Activity and expression of steroidogenic enzymes in the brain of adult zebrafish. <i>European Journal of Neuroscience</i> , 2011, 34, 45-56.	2.6	86
8	The Brain of Teleost Fish, a Source, and a Target of Sexual Steroids. <i>Frontiers in Neuroscience</i> , 2011, 5, 137.	2.8	77
9	Stem cells and the circadian clock. <i>Developmental Biology</i> , 2017, 431, 111-123.	2.0	73
10	The Helix-Loop-Helix Protein Id1 Controls Stem Cell Proliferation During Regenerative Neurogenesis in the Adult Zebrafish Telencephalon. <i>Stem Cells</i> , 2015, 33, 892-903.	3.2	69
11	Ayapana triplinervis Essential Oil and Its Main Component Thymohydroquinone Dimethyl Ether Inhibit Zika Virus at Doses Devoid of Toxicity in Zebrafish. <i>Molecules</i> , 2019, 24, 3447.	3.8	63
12	Aromatase, estrogen receptors and brain development in fish and amphibians. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2015, 1849, 152-162.	1.9	61
13	Cxcr4 and Cxcl12 expression in radial glial cells of the brain of adult zebrafish. <i>Journal of Comparative Neurology</i> , 2010, 518, 4855-4876.	1.6	59
14	Genome-wide, whole mount in situ analysis of transcriptional regulators in zebrafish embryos. <i>Developmental Biology</i> , 2013, 380, 351-362.	2.0	54
15	Steroid modulation of neurogenesis: Focus on radial glial cells in zebrafish. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016, 160, 27-36.	2.5	51
16	Comprehensive expression map of transcription regulators in the adult zebrafish telencephalon reveals distinct neurogenic niches. <i>Journal of Comparative Neurology</i> , 2015, 523, 1202-1221.	1.6	50
17	Common and Distinct Features of Adult Neurogenesis and Regeneration in the Telencephalon of Zebrafish and Mammals. <i>Frontiers in Neuroscience</i> , 2020, 14, 568930.	2.8	49
18	Real-time in vivo monitoring of circadian E-box enhancer activity: A robust and sensitive zebrafish reporter line for developmental, chemical and neural biology of the circadian clock. <i>Developmental Biology</i> , 2013, 380, 259-273.	2.0	48

#	ARTICLE	IF	CITATIONS
19	Impaired constitutive and regenerative neurogenesis in adult hyperglycemic zebrafish. <i>Journal of Comparative Neurology</i> , 2017, 525, 442-458.	1.6	48
20	Diabetes-induced hepatic oxidative stress: a new pathogenic role for glycated albumin. <i>Free Radical Biology and Medicine</i> , 2017, 102, 133-148.	2.9	42
21	Nuclear Progesterone Receptors Are Up-Regulated by Estrogens in Neurons and Radial Glial Progenitors in the Brain of Zebrafish. <i>PLoS ONE</i> , 2011, 6, e28375.	2.5	40
22	Mapping of brain lipid binding protein (Blbp) in the brain of adult zebrafish, co-expression with aromatase B and links with proliferation. <i>Gene Expression Patterns</i> , 2016, 20, 42-54.	0.8	34
23	Differential expression of id genes and their potential regulator znf238 in zebrafish adult neural progenitor cells and neurons suggests distinct functions in adult neurogenesis. <i>Gene Expression Patterns</i> , 2015, 19, 1-13.	0.8	30
24	Diabetes, adult neurogenesis and brain remodeling: New insights from rodent and zebrafish models. <i>Neurogenesis (Austin, Tex)</i> , 2017, 4, e1281862.	1.5	29
25	A hemorrhagic transformation model of mechanical stroke therapy with acute hyperglycemia in mice. <i>Journal of Comparative Neurology</i> , 2018, 526, 1006-1016.	1.6	28
26	Cellular Mechanisms Participating in Brain Repair of Adult Zebrafish and Mammals after Injury. <i>Cells</i> , 2021, 10, 391.	4.1	22
27	Protective Effects of Antioxidant Polyphenols against Hyperglycemia-Mediated Alterations in Cerebral Endothelial Cells and a Mouse Stroke Model. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e1900779.	3.3	22
28	Expression of adiponectin receptors in the brain of adult zebrafish and mouse: Links with neurogenic niches and brain repair. <i>Journal of Comparative Neurology</i> , 2019, 527, 2317-2333.	1.6	21
29	Impaired brain homeostasis and neurogenesis in diet-induced overweight zebrafish: a preventive role from <i>A. borbonica</i> extract. <i>Scientific Reports</i> , 2020, 10, 14496.	3.3	21
30	The Geraniin-Rich Extract from Reunion Island Endemic Medicinal Plant <i>Phyllanthus phillyreifolius</i> Inhibits Zika and Dengue Virus Infection at Non-Toxic Effect Doses in Zebrafish. <i>Molecules</i> , 2020, 25, 2316.	3.8	18
31	<i>Antirhea borbonica</i> Aqueous Extract Protects Albumin and Erythrocytes from Glycoxidative Damages. <i>Antioxidants</i> , 2020, 9, 415.	5.1	16
32	Acute and Chronic Models of Hyperglycemia in Zebrafish: A Method to Assess the Impact of Hyperglycemia on Neurogenesis and the Biodistribution of Radiolabeled Molecules. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	15
33	5-hydroxymethylcytosine marks postmitotic neural cells in the adult and developing vertebrate central nervous system. <i>Journal of Comparative Neurology</i> , 2017, 525, 478-497.	1.6	15
34	Bone morphogenetic protein signaling regulates Id1-mediated neural stem cell quiescence in the adult zebrafish brain via a phylogenetically conserved enhancer module. <i>Stem Cells</i> , 2020, 38, 875-889.	3.2	15
35	High-Fat Diet Aggravates Cerebral Infarct, Hemorrhagic Transformation and Neuroinflammation in a Mouse Stroke Model. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4571.	4.1	13
36	Neuron-Radial Glial Cell Communication via BMP/Id1 Signaling Is Key to Long-Term Maintenance of the Regenerative Capacity of the Adult Zebrafish Telencephalon. <i>Cells</i> , 2021, 10, 2794.	4.1	11

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37	Enhanced oxidative stress in adipose tissue from diabetic mice, possible contribution of glycated albumin. <i>Biochemical and Biophysical Research Communications</i> , 2016, 473, 154-160.	2.1	10
38	<i>Hypericum lanceolatum</i> Lam. Medicinal Plant: Potential Toxicity and Therapeutic Effects Based on a Zebrafish Model. <i>Frontiers in Pharmacology</i> , 2022, 13, 832928.	3.5	10
39	Zebrafish: A New Promise to Study the Impact of Metabolic Disorders on the Brain. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5372.	4.1	9
40	Multi-Dimensional Transcriptome Analysis Reveals Modulation of Cholesterol Metabolism as Highly Integrated Response to Brain Injury. <i>Frontiers in Neuroscience</i> , 2021, 15, 671249.	2.8	8
41	Deleterious Effects of Overfeeding on Brain Homeostasis and Plasticity in Adult Zebrafish. <i>Zebrafish</i> , 2021, 18, 190-206.	1.1	8
42	HDL biodistribution and brain receptors in zebrafish, using HDLs as vectors for targeting endothelial cells and neural progenitors. <i>Scientific Reports</i> , 2021, 11, 6439.	3.3	7
43	Aromatase and Estrogens. , 2015, , 51-71.		6
44	Distribution of Adiponectin Receptors in the Brain of Adult Mouse: Effect of a Single Dose of the Adiponectin Receptor Agonist, AdipoRON, on Ischemic Stroke. <i>Brain Sciences</i> , 2022, 12, 680.	2.3	6
45	Cranberry Pomace Extract Exerts Antiviral Activity against Zika and Dengue Virus at Safe Doses for Adult Zebrafish. <i>Viruses</i> , 2022, 14, 1101.	3.3	6
46	Aqueous Extract of <i>Psilocydon mauritianum</i> , Rich in Gallic Acid, Prevents Obesity and Associated Deleterious Effects in Zebrafish. <i>Antioxidants</i> , 2022, 11, 1309.	5.1	5
47	Lack of Neuroprotective Effects of High-Density Lipoprotein Therapy in Stroke under Acute Hyperglycemic Conditions. <i>Molecules</i> , 2021, 26, 6365.	3.8	3
48	ApoA-I Nanoparticles as Curcumin Carriers for Cerebral Endothelial Cells: Improved Cytoprotective Effects against Methylglyoxal. <i>Pharmaceuticals</i> , 2022, 15, 347.	3.8	3