

# Gilles Fortin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3412429/publications.pdf>

Version: 2024-02-01

20  
papers

1,604  
citations

623734

14  
h-index

752698

20  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1302  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual-mode operation of neuronal networks involved in left–right alternation. <i>Nature</i> , 2013, 500, 85-88.	27.8	313
2	Hindbrain interneurons and axon guidance signaling critical for breathing. <i>Nature Neuroscience</i> , 2010, 13, 1066-1074.	14.8	206
3	Genetic identification of an embryonic parafacial oscillator coupling to the pre-Bötzinger complex. <i>Nature Neuroscience</i> , 2009, 12, 1028-1035.	14.8	186
4	Breathing without CO <sub>2</sub> Chemosensitivity in Conditional <i>Phox2b</i> Mutants. <i>Journal of Neuroscience</i> , 2011, 31, 12880-12888.	3.6	149
5	Emergence of the Pre-Botzinger Respiratory Rhythm Generator in the Mouse Embryo. <i>Journal of Neuroscience</i> , 2005, 25, 4307-4318.	3.6	124
6	Defective Respiratory Rhythmogenesis and Loss of Central Chemosensitivity in <i>Phox2b</i> Mutants Targeting Retrotrapezoid Nucleus Neurons. <i>Journal of Neuroscience</i> , 2009, 29, 14836-14846.	3.6	115
7	The retrotrapezoid nucleus neurons expressing <i>Atoh1</i> and <i>Phox2b</i> are essential for the respiratory response to CO <sub>2</sub> . <i>ELife</i> , 2015, 4, .	6.0	83
8	Spontaneous synaptic activities in rat nucleus tractus solitarius neurons in vitro: evidence for re-excitatory processing. <i>Brain Research</i> , 1993, 630, 125-135.	2.2	75
9	Genetic identification of a hindbrain nucleus essential for innate vocalization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 8095-8100.	7.1	74
10	A VO core neuronal circuit for inspiration. <i>Nature Communications</i> , 2017, 8, 544.	12.8	53
11	Teashirt 3 Regulates Development of Neurons Involved in Both Respiratory Rhythm and Airflow Control. <i>Journal of Neuroscience</i> , 2010, 30, 9465-9476.	3.6	43
12	Ancient origin of somatic and visceral neurons. <i>BMC Biology</i> , 2013, 11, 53.	3.8	38
13	<i>Phox2b</i> , congenital central hypoventilation syndrome and the control of respiration. <i>Seminars in Cell and Developmental Biology</i> , 2010, 21, 814-822.	5.0	37
14	Mutation in <i>LBX1/Lbx1</i> precludes transcription factor cooperativity and causes congenital hypoventilation in humans and mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 13021-13026.	7.1	27
15	A novel reticular node in the brainstem synchronizes neonatal mouse crying with breathing. <i>Neuron</i> , 2022, 110, 644-657.e6.	8.1	23
16	A medullary centre for lapping in mice. <i>Nature Communications</i> , 2021, 12, 6307.	12.8	19
17	Absent phasing of respiratory and locomotor rhythms in running mice. <i>ELife</i> , 2020, 9, .	6.0	17
18	Teashirt1 ( <i>Tshz1</i> ) is essential for the development, survival and function of hypoglossal and phrenic motor neurons. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	8

#	ARTICLE	IF	CITATIONS
19	Computer-aided neurophysiology and imaging with open-source <i>PhysImage</i> . <i>Journal of Neurophysiology</i> , 2018, 120, 23-36.	1.8	5
20	Mafa-dependent GABAergic activity promotes mouse neonatal apneas. <i>Nature Communications</i> , 2022, 13, .	12.8	1