

# Hidehiko Koizumi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6102925/publications.pdf>

Version: 2024-02-01

10  
papers

755  
citations

1040056

9  
h-index

1474206

9  
g-index

13  
all docs

13  
docs citations

13  
times ranked

530  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biophysical mechanisms in the mammalian respiratory oscillator re-examined with a new data-driven computational model. <i>ELife</i> , 2019, 8, .	6.0	21
2	Kinetic properties of persistent Na <sup>+</sup> current orchestrate oscillatory bursting in respiratory neurons. <i>Journal of General Physiology</i> , 2018, 150, 1523-1540.	1.9	29
3	Transient Receptor Potential Channels TRPM4 and TRPC3 Critically Contribute to Respiratory Motor Pattern Formation but not Rhythmogenesis in Rodent Brainstem Circuits. <i>ENeuro</i> , 2018, 5, ENEURO.0332-17.2018.	1.9	32
4	Perturbations of Respiratory Rhythm and Pattern by Disrupting Synaptic Inhibition within Pre-Bötzing and Bötzing Complexes. <i>ENeuro</i> , 2016, 3, ENEURO.0011-16.2016.	1.9	79
5	Voltage-Dependent Rhythmogenic Property of Respiratory Pre-Bötzing Complex Glutamatergic, Dbx1-Derived, and Somatostatin-Expressing Neuron Populations Revealed by Graded Optogenetic Inhibition. <i>ENeuro</i> , 2016, 3, ENEURO.0081-16.2016.	1.9	49
6	Structural-Functional Properties of Identified Excitatory and Inhibitory Interneurons within Pre-Bötzing Complex Respiratory Microcircuits. <i>Journal of Neuroscience</i> , 2013, 33, 2994-3009.	3.6	88
7	Functional Imaging, Spatial Reconstruction, and Biophysical Analysis of a Respiratory Motor Circuit Isolated <i>In Vitro</i> . <i>Journal of Neuroscience</i> , 2008, 28, 2353-2365.	3.6	107
8	Persistent Na <sup>+</sup> and K <sup>+</sup> -Dominated Leak Currents Contribute to Respiratory Rhythm Generation in the Pre-Bötzing Complex <i>In Vitro</i> . <i>Journal of Neuroscience</i> , 2008, 28, 1773-1785.	3.6	157
9	Respiratory rhythm generation during gasping depends on persistent sodium current. <i>Nature Neuroscience</i> , 2006, 9, 311-313.	14.8	184
10	Predictions and experimental tests of a new biophysical model of the mammalian respiratory oscillator. <i>ELife</i> , 0, 11, .	6.0	6