

# Bjørn Olav Hald

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

408  
citations

840728

11  
h-index

794568

19  
g-index

22  
all docs

22  
docs citations

22  
times ranked

469  
citing authors

#	ARTICLE	IF	CITATIONS
1	Membrane Lipid-K <sub>IR</sub> 2.x Channel Interactions Enable Hemodynamic Sensing in Cerebral Arteries. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 1072-1087.	2.4	29
2	An assessment of K <sub>IR</sub> channel function in human cerebral arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H794-H800.	3.2	10
3	Stimulation history affects vasomotor responses in rat mesenteric arterioles. <i>Pflugers Archiv European Journal of Physiology</i> , 2019, 471, 271-283.	2.8	3
4	The Conducted Vasomotor Response: Function, Biophysical Basis, and Pharmacological Control. <i>Annual Review of Pharmacology and Toxicology</i> , 2018, 58, 391-410.	9.4	41
5	Electrical Communication in Lymphangions. <i>Biophysical Journal</i> , 2018, 115, 936-949.	0.5	26
6	Stimulation-induced increases in cerebral blood flow and local capillary vasoconstriction depend on conducted vascular responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5796-E5804.	7.1	110
7	KIR channels tune electrical communication in cerebral arteries. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 2171-2184.	4.3	29
8	Vascular flow reserve as a link between long-term blood pressure level and physical performance capacity in mammals. <i>Physiological Reports</i> , 2016, 4, e12813.	1.7	3
9	A generative modeling approach to connectivity—Electrical conduction in vascular networks. <i>Journal of Theoretical Biology</i> , 2016, 399, 1-12.	1.7	11
10	Origins of variation in conducted vasomotor responses. <i>Pflugers Archiv European Journal of Physiology</i> , 2015, 467, 2055-2067.	2.8	11
11	Cyanohydrin reactions enhance glycolytic oscillations in yeast. <i>Biophysical Chemistry</i> , 2015, 200-201, 18-26.	2.8	1
12	Less is more: minimal expression of myoendothelial gap junctions optimizes cell-cell communication in virtual arterioles. <i>Journal of Physiology</i> , 2014, 592, 3243-3255.	2.9	24
13	Gap Junctions Suppress Electrical but Not [Ca <sup>2+</sup> ] Heterogeneity in Resistance Arteries. <i>Biophysical Journal</i> , 2014, 107, 2467-2476.	0.5	8
14	Programming strategy for efficient modeling of dynamics in a population of heterogeneous cells. <i>Bioinformatics</i> , 2013, 29, 1292-1298.	4.1	9
15	Influence of cyanide on diauxic oscillations in yeast. <i>FEBS Journal</i> , 2012, 279, 4410-4420.	4.7	14
16	Applicability of Cable Theory to Vascular Conducted Responses. <i>Biophysical Journal</i> , 2012, 102, 1352-1362.	0.5	21
17	BKCa and KV channels limit conducted vasomotor responses in rat mesenteric terminal arterioles. <i>Pflugers Archiv European Journal of Physiology</i> , 2012, 463, 279-295.	2.8	31
18	Synchronization of Cellular Contractions in the Arteriolar Wall. , 2011, , 219-236.		0

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19	Modeling Diauxic Glycolytic Oscillations in Yeast. Biophysical Journal, 2010, 99, 3191-3199.	0.5	15
20	Quantitative evaluation of respiration induced metabolic oscillations in erythrocytes. Biophysical Chemistry, 2009, 141, 41-48.	2.8	9