

# Bjørn Olav Hald

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

408  
citations

840776

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h-index

794594

19  
g-index

22  
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22  
docs citations

22  
times ranked

469  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stimulation-induced increases in cerebral blood flow and local capillary vasoconstriction depend on conducted vascular responses. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5796-E5804.	7.1	110
2	The Conducted Vasomotor Response: Function, Biophysical Basis, and Pharmacological Control. Annual Review of Pharmacology and Toxicology, 2018, 58, 391-410.	9.4	41
3	BKCa and KV channels limit conducted vasomotor responses in rat mesenteric terminal arterioles. Pflugers Archiv European Journal of Physiology, 2012, 463, 279-295.	2.8	31
4	KIR channels tune electrical communication in cerebral arteries. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 2171-2184.	4.3	29
5	Membrane Lipid-K <sub>IR</sub> 2.x Channel Interactions Enable Hemodynamic Sensing in Cerebral Arteries. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 1072-1087.	2.4	29
6	Electrical Communication in Lymphangions. Biophysical Journal, 2018, 115, 936-949.	0.5	26
7	Less is more: minimal expression of myoendothelial gap junctions optimizes cell-cell communication in virtual arterioles. Journal of Physiology, 2014, 592, 3243-3255.	2.9	24
8	Applicability of Cable Theory to Vascular Conducted Responses. Biophysical Journal, 2012, 102, 1352-1362.	0.5	21
9	Modeling Diauxic Glycolytic Oscillations in Yeast. Biophysical Journal, 2010, 99, 3191-3199.	0.5	15
10	Influence of cyanide on diauxic oscillations in yeast. FEBS Journal, 2012, 279, 4410-4420.	4.7	14
11	Origins of variation in conducted vasomotor responses. Pflugers Archiv European Journal of Physiology, 2015, 467, 2055-2067.	2.8	11
12	A generative modeling approach to connectivity—Electrical conduction in vascular networks. Journal of Theoretical Biology, 2016, 399, 1-12.	1.7	11
13	An assessment of K <sub>IR</sub> channel function in human cerebral arteries. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H794-H800.	3.2	10
14	Quantitative evaluation of respiration induced metabolic oscillations in erythrocytes. Biophysical Chemistry, 2009, 141, 41-48.	2.8	9
15	Programming strategy for efficient modeling of dynamics in a population of heterogeneous cells. Bioinformatics, 2013, 29, 1292-1298.	4.1	9
16	Gap Junctions Suppress Electrical but Not [Ca <sup>2+</sup> ] Heterogeneity in Resistance Arteries. Biophysical Journal, 2014, 107, 2467-2476.	0.5	8
17	Vascular flow reserve as a link between long-term blood pressure level and physical performance capacity in mammals. Physiological Reports, 2016, 4, e12813.	1.7	3
18	Stimulation history affects vasomotor responses in rat mesenteric arterioles. Pflugers Archiv European Journal of Physiology, 2019, 471, 271-283.	2.8	3

#	ARTICLE	IF	CITATIONS
19	Cyanohydrin reactions enhance glycolytic oscillations in yeast. Biophysical Chemistry, 2015, 200-201, 18-26.	2.8	1
20	Synchronization of Cellular Contractions in the Arteriolar Wall. , 2011, , 219-236.		0