

# Bjørn Olav Hald

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3416489/publications.pdf>

Version: 2024-02-01

20  
papers

408  
citations

840776

11  
h-index

794594

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         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 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         |