

# Susanna TÃ¶rnroth-Horsefield

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

2,650  
citations

331670

21  
h-index

361022

35  
g-index

35  
all docs

35  
docs citations

35  
times ranked

2804  
citing authors

#	ARTICLE	IF	CITATIONS
1	Emerging roles for dynamic aquaporin-4 subcellular relocalization in CNS water homeostasis. <i>Brain</i> , 2022, 145, 64-75.	7.6	99
2	Molecular mechanisms governing aquaporin relocalisation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2022, 1864, 183853.	2.6	41
3	High-yield overproduction and purification of human aquaporins from <i>Pichia pastoris</i> . <i>STAR Protocols</i> , 2022, 3, 101298.	1.2	1
4	Characterization of human aquaporin protein-protein interactions using microscale thermophoresis (MST). <i>STAR Protocols</i> , 2022, 3, 101316.	1.2	1
5	Assessing water permeability of aquaporins in a proteoliposome-based stopped-flow setup. <i>STAR Protocols</i> , 2022, 3, 101312.	1.2	1
6	Unraveling Human AQP5-PIP Molecular Interaction and Effect on AQP5 Salivary Glands Localization in SS Patients. <i>Cells</i> , 2021, 10, 2108.	4.1	15
7	Ezrin Is a Novel Protein Partner of Aquaporin-5 in Human Salivary Glands and Shows Altered Expression and Cellular Localization in Sjögren's Syndrome. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9213.	4.1	13
8	A microfluidic strategy for the detection of membrane protein interactions. <i>Lab on A Chip</i> , 2020, 20, 3230-3238.	6.0	13
9	Targeting Aquaporin-4 Subcellular Localization to Treat Central Nervous System Edema. <i>Cell</i> , 2020, 181, 784-799.e19.	28.9	271
10	Phosphorylation of human AQP2 and its role in trafficking. <i>Vitamins and Hormones</i> , 2020, 112, 95-117.	1.7	7
11	Structural Insights into AQP2 Targeting to Multivesicular Bodies. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5351.	4.1	10
12	Phosphorylation-Dependent Regulation of Mammalian Aquaporins. <i>Cells</i> , 2019, 8, 82.	4.1	56
13	Moonlighting of <i>Haemophilus influenzae</i> heme acquisition systems contributes to the host airway-pathogen interplay in a coordinated manner. <i>Virulence</i> , 2019, 10, 315-333.	4.4	16
14	Water channel pore size determines exclusion properties but not solute selectivity. <i>Scientific Reports</i> , 2019, 9, 20369.	3.3	41
15	On-chip crystallization for serial crystallography experiments and on-chip ligand-binding studies. <i>IUCr</i> , 2019, 6, 714-728.	2.2	41
16	Protein-protein interactions in AQP regulation – biophysical characterization of AQP-CaM and AQP2-LIP5 complex formation. <i>Faraday Discussions</i> , 2018, 209, 35-54.	3.2	16
17	Phosphorylation of human aquaporin 2 (AQP2) allosterically controls its interaction with the lysosomal trafficking protein LIP5. <i>Journal of Biological Chemistry</i> , 2017, 292, 14636-14648.	3.4	23
18	Cell-free production and characterisation of human uncoupling protein 3. <i>Biochemistry and Biophysics Reports</i> , 2017, 10, 276-281.	1.3	3

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19	Aquaporin Protein-Protein Interactions. International Journal of Molecular Sciences, 2017, 18, 2255.	4.1	58
20	<i>Haemophilus influenzae</i> Type f Hijacks Vitronectin Using Protein H To Resist Host Innate Immunity and Adhere to Pulmonary Epithelial Cells. Journal of Immunology, 2015, 195, 5688-5695.	0.8	10
21	Plasma Membrane Abundance of Human Aquaporin 5 Is Dynamically Regulated by Multiple Pathways. PLoS ONE, 2015, 10, e0143027.	2.5	54
22	Coping with oxidative stress. Science, 2015, 347, 125-126.	12.6	28
23	Structural insights into aquaporin selectivity and regulation. Current Opinion in Structural Biology, 2015, 33, 126-134.	5.7	111
24	X-ray structure of human aquaporin 2 and its implications for nephrogenic diabetes insipidus and trafficking. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6305-6310.	7.1	124
25	High Resolution Protein Crystals Using an Efficient Convection-Free Geometry. Crystal Growth and Design, 2013, 13, 775-781.	3.0	19
26	Structural basis for pH gating of plant aquaporins. FEBS Letters, 2013, 587, 989-993.	2.8	67
27	Mercury increases water permeability of a plant aquaporin through a non-cysteine-related mechanism. Biochemical Journal, 2013, 454, 491-499.	3.7	47
28	Structural insights into eukaryotic aquaporin regulation. FEBS Letters, 2010, 584, 2580-2588.	2.8	137
29	Structural and Functional Analysis of SoPIP2;1 Mutants Adds Insight into Plant Aquaporin Gating. Journal of Molecular Biology, 2009, 387, 653-668.	4.2	95
30	Affinity tags can reduce merohedral twinning of membrane protein crystals. Acta Crystallographica Section D: Biological Crystallography, 2008, 64, 1183-1186.	2.5	4
31	High-resolution x-ray structure of human aquaporin 5. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 13327-13332.	7.1	194
32	Opening and closing the metabolite gate. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19565-19566.	7.1	77
33	Crystal Structure of AcrB in Complex with a Single Transmembrane Subunit Reveals Another Twist. Structure, 2007, 15, 1663-1673.	3.3	88
34	Structural mechanism of plant aquaporin gating. Nature, 2006, 439, 688-694.	27.8	752
35	Aquaporin gating. Current Opinion in Structural Biology, 2006, 16, 447-456.	5.7	117