

Janet M Wood

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2561905/janet-m-wood-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58
papers

3,583
citations

30
h-index

59
g-index

60
ext. papers

4,044
ext. citations

4.3
avg, IF

5.64
L-index

#	Paper	IF	Citations
58	Cultivation at high osmotic pressure confers ubiquinone 8-independent protection of respiration on <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2020 , 295, 981-993	5.4	6
57	Cultivation at high osmotic pressure confers ubiquinone 8-independent protection of respiration on. <i>Journal of Biological Chemistry</i> , 2020 , 295, 981-993	5.4	3
56	Salt-Dependent Interactions between the C-Terminal Domain of Osmoregulatory Transporter ProP of and the Lipid Membrane. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 8209-8220	3.4	2
55	Cardiolipin synthase A colocalizes with cardiolipin and osmosensing transporter ProP at the poles of <i>Escherichia coli</i> cells. <i>Molecular Microbiology</i> , 2018 , 107, 623-638	4.1	16
54	Perspective: challenges and opportunities for the study of cardiolipin, a key player in bacterial cell structure and function. <i>Current Genetics</i> , 2018 , 64, 795-798	2.9	7
53	Dual Role of the C-Terminal Domain in Osmosensing by Bacterial Osmolyte Transporter ProP. <i>Biophysical Journal</i> , 2018 , 115, 2152-2166	2.9	6
52	ProP-ProP and ProP-phospholipid interactions determine the subcellular distribution of osmosensing transporter ProP in <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 2017 , 103, 469-482	4.1	11
51	Contributions of Coulombic and Hofmeister Effects to the Osmotic Activation of <i>Escherichia coli</i> Transporter ProP. <i>Biochemistry</i> , 2016 , 55, 1301-13	3.2	16
50	Bacterial responses to osmotic challenges. <i>Journal of General Physiology</i> , 2015 , 145, 381-8	3.4	155
49	YehZYXW of <i>Escherichia coli</i> Is a Low-Affinity, Non-Osmoregulatory Betaine-Specific ABC Transporter. <i>Biochemistry</i> , 2015 , 54, 5735-47	3.2	17
48	Salinity-dependent impacts of ProQ, Prc, and Spr deficiencies on <i>Escherichia coli</i> cell structure. <i>Journal of Bacteriology</i> , 2014 , 196, 1286-96	3.5	17
47	Osmotic Stress 2014 , 133-156		8
46	Analysis of strains lacking known osmolyte accumulation mechanisms reveals contributions of osmolytes and transporters to protection against abiotic stress. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 5366-78	4.8	19
45	Impacts of the osmolality and the luminal ionic strength on osmosensory transporter ProP in proteoliposomes. <i>Journal of Biological Chemistry</i> , 2012 , 287, 27813-22	5.4	11
44	ProQ is an RNA chaperone that controls ProP levels in <i>Escherichia coli</i> . <i>Biochemistry</i> , 2011 , 50, 3095-106	3.2	63
43	Bacterial osmoregulation: a paradigm for the study of cellular homeostasis. <i>Annual Review of Microbiology</i> , 2011 , 65, 215-38	17.5	190
42	Transmembrane helix I and periplasmic loop 1 of <i>Escherichia coli</i> ProP are involved in osmosensing and osmoprotectant transport. <i>Biochemistry</i> , 2010 , 49, 8847-56	3.2	19

41	Protein localization in Escherichia coli cells: comparison of the cytoplasmic membrane proteins ProP, LacY, ProW, AqpZ, MscS, and MscL. <i>Journal of Bacteriology</i> , 2010 , 192, 912-24	3.5	92
40	Cardiolipin and the osmotic stress responses of bacteria. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009 , 1788, 2092-100	3.8	153
39	Osmotic Stress. <i>EcoSal Plus</i> , 2009 , 3,	7.7	28
38	Roles of K ⁺ , H ⁺ , H ₂ O, and DeltaPsi in solute transport mediated by major facilitator superfamily members ProP and LacY. <i>Biochemistry</i> , 2008 , 47, 8176-85	3.2	19
37	Core residue replacements cause coiled-coil orientation switching in vitro and in vivo: structure-function correlations for osmosensory transporter ProP. <i>Biochemistry</i> , 2008 , 47, 60-72	3.2	22
36	Periplasmic loops of osmosensory transporter ProP in Escherichia coli are sensitive to osmolality. <i>Biochemistry</i> , 2008 , 47, 13584-93	3.2	21
35	Cardiolipin controls the osmotic stress response and the subcellular location of transporter ProP in Escherichia coli. <i>Journal of Biological Chemistry</i> , 2008 , 283, 12314-23	5.4	66
34	Bacterial osmosensing transporters. <i>Methods in Enzymology</i> , 2007 , 428, 77-107	1.7	67
33	Structural and functional analysis of ProQ: an osmoregulatory protein of Escherichia coli. <i>Biochemistry</i> , 2007 , 46, 3084-95	3.2	18
32	Structure and function of transmembrane segment XII in osmosensor and osmoprotectant transporter ProP of Escherichia coli. <i>Biochemistry</i> , 2007 , 46, 5647-55	3.2	18
31	Cardiolipin promotes polar localization of osmosensory transporter ProP in Escherichia coli. <i>Molecular Microbiology</i> , 2007 , 64, 1455-65	4.1	140
30	Osmosensing by bacteria. <i>Scieners STKE: Signal Transduction Knowledge Environment</i> , 2006 , 2006, pe43		60
29	Preliminary NMR Analysis of ProP440B00 the C-Terminal Cytoplasmic Domain of Bacterial Osmosensory Protein ProP 2006 , 258-260		
28	A structural model for the osmosensor, transporter, and osmoregulator ProP of Escherichia coli. <i>Biochemistry</i> , 2005 , 44, 5634-46	3.2	42
27	Formation of an antiparallel, intermolecular coiled coil is associated with in vivo dimerization of osmosensor and osmoprotectant transporter ProP in Escherichia coli. <i>Biochemistry</i> , 2005 , 44, 10170-80	3.2	30
26	The osmotic activation of transporter ProP is tuned by both its C-terminal coiled-coil and osmotically induced changes in phospholipid composition. <i>Journal of Biological Chemistry</i> , 2005 , 280, 41387-94	5.4	56
25	Osmoregulatory systems of Escherichia coli: identification of betaine-carnitine-choline transporter family member BetU and distributions of betU and trkG among pathogenic and nonpathogenic isolates. <i>Journal of Bacteriology</i> , 2004 , 186, 296-306	3.5	44
24	Overexpression, purification, and characterization of ProQ, a posttranslational regulator for osmoregulatory transporter ProP of Escherichia coli. <i>Biochemistry</i> , 2004 , 43, 12979-89	3.2	18

23	Bacterial osmosensing: roles of membrane structure and electrostatics in lipid-protein and protein-protein interactions. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2004 , 1666, 88-104	3.8	141
22	Detection of alpha-helical coiled-coil dimer formation by spin-labeled synthetic peptides: a model parallel coiled-coil peptide and the antiparallel coiled coil formed by a replica of the ProP C-terminus. <i>Biochemistry</i> , 2003 , 42, 15170-8	3.2	27
21	Osmosensor ProP of Escherichia coli responds to the concentration, chemistry, and molecular size of osmolytes in the proteoliposome lumen. <i>Biochemistry</i> , 2003 , 42, 410-20	3.2	80
20	Creation of a fully functional cysteine-less variant of osmosensor and proton-osmoprotectant symporter ProP from Escherichia coli and its application to assess the transporter's membrane orientation. <i>Biochemistry</i> , 2003 , 42, 11815-23	3.2	36
19	Solution structure of the C-terminal antiparallel coiled-coil domain from Escherichia coli osmosensor ProP. <i>Journal of Molecular Biology</i> , 2003 , 334, 1063-76	6.5	35
18	Osmosensing and osmoregulatory compatible solute accumulation by bacteria. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2001 , 130, 437-60	2.6	316
17	Requirements for osmosensing and osmotic activation of transporter ProP from Escherichia coli. <i>Biochemistry</i> , 2001 , 40, 7324-33	3.2	58
16	The osmotic stress response and virulence in pyelonephritis isolates of Escherichia coli: contributions of RpoS, ProP, ProU and other systems. <i>Microbiology (United Kingdom)</i> , 2001 , 147, 1657-1670	2.7	53
15	The role of the carboxyl terminal alpha-helical coiled-coil domain in osmosensing by transporter ProP of Escherichia coli. <i>Journal of Molecular Recognition</i> , 2000 , 13, 309-22	2.6	53
14	An Escherichia coli reference collection group B2- and uropathogen-associated polymorphism in the rpoS-mutS region of the E. coli chromosome. <i>Journal of Bacteriology</i> , 2000 , 182, 6272-6	3.5	27
13	Physical properties of liposomes and proteoliposomes prepared from Escherichia coli polar lipids. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2000 , 1468, 175-86	3.8	46
12	The role of the carboxyl terminal helical coiled-coil domain in osmosensing by transporter ProP of Escherichia coli 2000 , 13, 309		1
11	Osmosensing by bacteria: signals and membrane-based sensors. <i>Microbiology and Molecular Biology Reviews</i> , 1999 , 63, 230-62	13.2	435
10	The ion coupling and organic substrate specificities of osmoregulatory transporter ProP in Escherichia coli. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1999 , 1420, 30-44	3.8	79
9	Protein ProQ influences osmotic activation of compatible solute transporter ProP in Escherichia coli K-12. <i>Journal of Bacteriology</i> , 1999 , 181, 1537-43	3.5	54
8	Osmoregulatory transporter ProP influences colonization of the urinary tract by Escherichia coli. <i>Microbiology (United Kingdom)</i> , 1998 , 144 (Pt 1), 91-102	2.9	50
7	Osmoadaptation by rhizosphere bacteria. <i>Annual Review of Microbiology</i> , 1996 , 50, 101-36	17.5	223
6	Genes encoding osmoregulatory proline/glycine betaine transporters and the proline catabolic system are present and expressed in diverse clinical Escherichia coli isolates. <i>Canadian Journal of Microbiology</i> , 1994 , 40, 397-402	3.2	27

- | | | | |
|---|---|-----|-----|
| 5 | Isolation and sequencing of Escherichia coli gene proP reveals unusual structural features of the osmoregulatory proline/betaine transporter, ProP. <i>Journal of Molecular Biology</i> , 1993 , 229, 268-76 | 6.5 | 138 |
| 4 | Proline porters effect the utilization of proline as nutrient or osmoprotectant for bacteria. <i>Journal of Membrane Biology</i> , 1988 , 106, 183-202 | 2.3 | 92 |
| 3 | Transmembrane amino acid flux in bacterial cells. <i>Critical Reviews in Biotechnology</i> , 1987 , 5, 1-47 | 9.4 | 21 |
| 2 | Na ⁺ (Li ⁺)-proline cotransport in Escherichia coli. <i>Journal of Membrane Biology</i> , 1985 , 84, 157-64 | 2.3 | 89 |
| 1 | Amplification of the put genes and identification of the put gene products in Escherichia coli K12. <i>Canadian Journal of Biochemistry</i> , 1980 , 58, 787-96 | | 38 |