

Lars Hederstedt

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5578453/publications.pdf>

Version: 2024-02-01

97
papers

3,537
citations

109264

35
h-index

168321

53
g-index

98
all docs

98
docs citations

98
times ranked

2656
citing authors

#	ARTICLE	IF	CITATIONS
1	The physical state of water in bacterial spores. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 19334-19339.	3.3	141
2	A structural moDAL for the membrane-integral domain of succinate:quinone oxidoreductases. FEBS Letters, 1996, 389, 25-31.	1.3	122
3	Extracellular electron transfer features of Gram-positive bacteria. Analytica Chimica Acta, 2019, 1076, 32-47.	2.6	111
4	Bacillus subtilis CtaA and CtaB function in haem A biosynthesis. Molecular Microbiology, 1993, 10, 193-201.	1.2	110
5	Enterococcus faecalis Heme-Dependent Catalase. Journal of Bacteriology, 2002, 184, 6351-6356.	1.0	102
6	Two hemes in Bacillus subtilis succinate:menaquinone oxidoreductase (complex II). Biochemistry, 1992, 31, 7411-7421.	1.2	92
7	Extracellular Electron Transfer by the Gram-Positive Bacterium <i>Enterococcus faecalis</i> . Biochemistry, 2018, 57, 4597-4603.	1.2	89
8	Enterococcus faecalis V583 Contains a Cytochrome bd -Type Respiratory Oxidase. Journal of Bacteriology, 2000, 182, 3863-3866.	1.0	87
9	Genes required for cytochrome c synthesis in Bacillus subtilis. Molecular Microbiology, 2002, 36, 638-650.	1.2	85
10	Composition and function of cytochrome <i>c</i> biogenesis System II. FEBS Journal, 2011, 278, 4179-4188.	2.2	77
11	[38] Molecular properties, genetics, and biosynthesis of Bacillus subtilis succinate dehydrogenase complex. Methods in Enzymology, 1986, 126, 399-414.	0.4	76
12	Bacillus subtilis ResA Is a Thiol-Disulfide Oxidoreductase involved in Cytochrome c Synthesis. Journal of Biological Chemistry, 2003, 278, 17852-17858.	1.6	74
13	Mutations in the Thiol-Disulfide Oxidoreductases BdbC and BdbD Can Suppress Cytochrome <i>c</i> Deficiency of CcdA-Defective <i>Bacillus subtilis</i> Cells. Journal of Bacteriology, 2002, 184, 1423-1429.	1.0	72
14	Review: Studies of ferric heme proteins with highly anisotropic/highly axial low spin ($S = 1/2$) electron paramagnetic resonance signals with bis(2-Histidine and histidine)-methionine axial iron coordination. Biopolymers, 2009, 91, 1064-1082.	1.2	72
15	Organization of genes for tetrapyrrole biosynthesis in Gram-positive bacteria. Microbiology (United Tj ETQq1 1 0.784314 rgB1 /Overl	0.7	71
16	Chapter 7 Progress in succinate:quinone oxidoreductase research. New Comprehensive Biochemistry, 1992, 23, 163-198.	0.1	70
17	The carboxin-binding site on Paracoccus denitrificans succinate:quinone reductase identified by mutations. , 2001, 33, 99-105.		70
18	HOQNO interaction with cytochrome b ₅₅₉ succinate:menaquinone oxidoreductase from Bacillus subtilis. FEBS Letters, 1995, 359, 23-26.	1.3	69

#	ARTICLE	IF	CITATIONS
19	Heme A biosynthesis. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 920-927.	0.5	69
20	Purification and characterisation of a water-soluble ferrochelatase from <i>Bacillus subtilis</i> . <i>FEBS Journal</i> , 1994, 220, 201-208.	0.2	68
21	Ca ²⁺ -binding and Ca ²⁺ -independent Respiratory NADH and NADPH Dehydrogenases of <i>Arabidopsis thaliana</i> . <i>Journal of Biological Chemistry</i> , 2007, 282, 28455-28464.	1.6	68
22	A Cytochrome <i>b</i> -type Quinol Oxidase in <i>Bacillus subtilis</i> Strain 168. <i>Journal of Biological Chemistry</i> , 1999, 274, 32810-32817.	1.6	59
23	Molecular biology of <i>Bacillus subtilis</i> cytochromes. <i>FEMS Microbiology Letters</i> , 1992, 100, 91-100.	0.7	56
24	<i>Bacillus subtilis</i> holo-cytochrome <i>c</i> -550 can be synthesised in aerobic <i>Escherichia coli</i> . <i>FEBS Letters</i> , 1990, 270, 147-151.	1.3	53
25	The Distal Heme Center in <i>Bacillus subtilis</i> Succinate:Quinone Reductase Is Crucial for Electron Transfer to Menaquinone. <i>Biochemistry</i> , 2000, 39, 8617-8624.	1.2	52
26	Contribution of catalase to hydrogen peroxide resistance in <i>Enterococcus faecalis</i> . <i>FEMS Microbiology Letters</i> , 2012, 331, 160-164.	0.7	51
27	Transmembrane topology and axial ligands to hemes in the cytochrome <i>b</i> subunit of <i>Bacillus subtilis</i> succinate:menaquinone reductase. <i>Biochemistry</i> , 1995, 34, 11080-11089.	1.2	48
28	Role of Heme in Synthesis and Membrane Binding of Succinic Dehydrogenase in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 1979, 138, 377-382.	1.0	48
29	Low-spin Heme A in the Heme A Biosynthetic Protein CtaA from <i>Bacillus Subtilis</i> . <i>FEBS Journal</i> , 1996, 238, 287-295.	0.2	47
30	Succinate:quinone oxidoreductase in the bacteria <i>Paracoccus denitrificans</i> and <i>Bacillus subtilis</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2002, 1553, 74-83.	0.5	45
31	<i>Escherichia coli</i> <i>ccm</i> -frame deletion mutants can produce periplasmic cytochrome <i>b</i> but not cytochrome <i>c</i> . <i>FEBS Letters</i> , 1997, 410, 351-355.	1.3	44
32	Heme Proteins in Lactic Acid Bacteria. <i>Advances in Microbial Physiology</i> , 2013, 62, 1-43.	1.0	44
33	<i>Bacillus subtilis</i> StoA Is a Thiol-Disulfide Oxidoreductase Important for Spore Cortex Synthesis. <i>Journal of Bacteriology</i> , 2004, 186, 6230-6238.	1.0	41
34	<i>Bacillus subtilis</i> mutant succinate dehydrogenase lacking covalently bound flavin: identification of the primary defect and studies on the iron-sulfur clusters in mutated and wild-type enzyme. <i>Biochemistry</i> , 1986, 25, 5202-5208.	1.2	39
35	Crystal Structure and Biophysical Properties of <i>Bacillus subtilis</i> BdbD. <i>Journal of Biological Chemistry</i> , 2009, 284, 23719-23733.	1.6	37
36	Two Routes for Extracellular Electron Transfer in <i>Enterococcus faecalis</i> . <i>Journal of Bacteriology</i> , 2020, 202, .	1.0	37

#	ARTICLE	IF	CITATIONS
37	Subunit II of Bacillus subtilis Cytochrome c Oxidase Is a Lipoprotein. Journal of Bacteriology, 1999, 181, 685-688.	1.0	37
38	Low temperature EPR and MCD studies on cytochrome b-558 of the Bacillus subtilis succinate: quinone oxidoreductase indicate bis-histidine coordination of the heme iron. BBA - Proteins and Proteomics, 1990, 1041, 207-215.	2.1	36
39	Effects of substitutions in the CXXC active-site motif of the extracytoplasmic thioredoxin ResA. Biochemical Journal, 2008, 414, 81-91.	1.7	36
40	Genes Important for Catalase Activity in Enterococcus faecalis. PLoS ONE, 2012, 7, e36725.	1.1	35
41	Bacillus subtilis Contains Two Small c-Type Cytochromes with Homologous Heme Domains but Different Types of Membrane Anchors. Journal of Biological Chemistry, 1999, 274, 26179-26184.	1.6	31
42	Haem ϵ delivery proteins in cytochrome <i>c</i> maturation System II. Molecular Microbiology, 2009, 73, 1058-1071.	1.2	31
43	Succinate Dhydrogenase Mutants of Bacillus Suybtilis Lacking Covalently Bound Flavin in the Flavoprotien Subunit. FEBS Journal, 1983, 132, 589-593.	0.2	30
44	Physico-chemical characterisation of membrane-bound and water-soluble forms of Bacillus subtilis cytochrome c-550. FEBS Journal, 1993, 212, 499-509.	0.2	30
45	Efficient Spore Synthesis in Bacillus subtilis Depends on the CcdA Protein. Journal of Bacteriology, 2000, 182, 2845-2854.	1.0	30
46	STRUCTURAL BIOLOGY: Enhanced: Complex II Is Complex Too. Science, 2003, 299, 671-672.	6.0	30
47	Processing of Bacillus subtilis succinate dehydrogenase and cytochrome &-558 polypeptides. FEBS Letters, 1987, 213, 385-390.	1.3	29
48	Heme A Synthase Enzyme Functions Dissected by Mutagenesis of Bacillus subtilis CtaA. Journal of Bacteriology, 2005, 187, 8361-8369.	1.0	29
49	Electrochemical wiring of the Gram-positive bacterium Enterococcus faecalis with osmium redox polymer modified electrodes. Electrochemistry Communications, 2017, 75, 56-59.	2.3	29
50	The Krebs Citric Acid Cycle. , 0, , 181-197.		29
51	CtaG is required for formation of active cytochrome c oxidase in Bacillus subtilis. Microbiology (United Kingdom), 2004, 150, 415-425.	0.7	28
52	Soluble succinate dehydrogenase from the halophilic archaeobacterium, Halobacterium halobium. Archives of Biochemistry and Biophysics, 1985, 239, 200-205.	1.4	27
53	Isolated Bacillus subtilis HemY has coproporphyrinogenIII to coproporphyrinIII oxidase activity. BBA - Proteins and Proteomics, 1997, 1340, 97-104.	2.1	27
54	Genetic and biochemical characterization of Bacillus subtilis mutants defective in expression and function of cytochrome b-558. FEBS Journal, 1987, 168, 695-701.	0.2	26

#	ARTICLE	IF	CITATIONS
55	Role of Membrane-Bound Thiolo"Disulfide Oxidoreductases in Endospore-Forming Bacteria. Antioxidants and Redox Signaling, 2006, 8, 823-833.	2.5	25
56	Extracytoplasmic Processes Impaired by Inactivation of <i>trxA</i> (Thioredoxin Gene) in <i>Bacillus subtilis</i> . Journal of Bacteriology, 2008, 190, 4660-4665.	1.0	25
57	The trinuclear iron-sulfur cluster S3 in <i>Bacillus subtilis</i> succinate:menaquinone reductase; effects of a mutation in the putative cluster ligation motif on enzyme activity and EPR properties. Biochimica Et Biophysica Acta - Bioenergetics, 1995, 1229, 356-362.	0.5	24
58	Electron Paramagnetic Resonance Studies of Succinate:Ubiquinone Oxidoreductase from <i>Paracoccus denitrificans</i> . Journal of Biological Chemistry, 1997, 272, 19373-19382.	1.6	23
59	In Vitro Assembly of Catalase. Journal of Biological Chemistry, 2014, 289, 28411-28420.	1.6	22
60	The ms ² io ⁶ A37 Modification of tRNA in <i>Salmonella typhimurium</i> Regulates Growth on Citric Acid Cycle Intermediates. Journal of Bacteriology, 1998, 180, 3144-3151.	1.0	22
61	Organization and regulation of the <i>Bacillus subtilis</i> <i>odhAB</i> operon, which encodes two of the subenzymes of the 2-oxoglutarate dehydrogenase complex. Molecular Genetics and Genomics, 1992, 234, 285-296.	2.4	20
62	<i>In vivo</i> production of catalase containing haem analogues. FEBS Journal, 2010, 277, 2663-2672.	2.2	18
63	Compact archaeal variant of heme A synthase. FEBS Letters, 2006, 580, 5351-5356.	1.3	17
64	Penicillin-binding protein SpoVD disulphide is a target for StoA in <i>Bacillus subtilis</i> forespores. Molecular Microbiology, 2010, 75, 46-60.	1.2	17
65	<i>Bacillus subtilis</i> <i>citM</i> , the structural gene for dihydroipoamide transsuccinylase: cloning and expression in <i>Escherichia coli</i> . Gene, 1987, 61, 217-224.	1.0	15
66	Deletion of the <i>Bacillus subtilis</i> <i>sdh</i> operon. FEMS Microbiology Letters, 1987, 41, 203-206.	0.7	15
67	The structural gene for aspartokinase II in <i>Bacillus subtilis</i> closely linked to the <i>sdh</i> operon. FEMS Microbiology Letters, 1989, 61, 85-88.	0.7	14
68	Structure and Functional Properties of <i>Bacillus subtilis</i> Endospore Biogenesis Factor StoA. Journal of Biological Chemistry, 2009, 284, 10056-10066.	1.6	14
69	Molecular biology of <i>Bacillus subtilis</i> cytochromes. FEMS Microbiology Letters, 1992, 100, 91-100.	0.7	14
70	The Active-Site Cysteinylns and Hydrophobic Cavity Residues of ResA Are Important for Cytochrome <i>c</i> Maturation in <i>Bacillus subtilis</i> . Journal of Bacteriology, 2008, 190, 4697-4705.	1.0	13
71	Heme A synthase in bacteria depends on one pair of cysteinylns for activity. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 160-168.	0.5	13
72	<i>In vivo</i> production of catalase containing haem analogues. FEBS Journal, 2010, 277, 2663-2672.	2.2	13

#	ARTICLE	IF	CITATIONS
73	Modification of bovine heart succinate dehydrogenase with ethoxyformic anhydride and Rose Bengal: Evidence for essential histidyl residues protectable by substrates. Archives of Biochemistry and Biophysics, 1986, 247, 346-354.	1.4	12
74	Ligands to the 2Fe iron-sulfur center in succinate dehydrogenase. FEBS Letters, 1988, 232, 298-302.	1.3	12
75	The Bacillus subtilis ctaB paralogue, yjdK, can complement the heme A synthesis deficiency of a CtaB-deficient mutant. FEMS Microbiology Letters, 2000, 183, 247-251.	0.7	12
76	Respiratory Cytochromes, Other Heme Proteins, and Heme Biosynthesis. , 0, , 163-179.		12
77	In vitro complementation of Bacillus subtilis and Escherichia coli. 2-oxoglutarate dehydrogenase complex mutants and genetic mapping of B. subtilis citK and citM mutations. FEMS Microbiology Letters, 1986, 37, 373-378.	0.7	11
78	Quantification of Membrane Proteins Using Nonspecific Protease Digestions. Journal of Proteome Research, 2009, 8, 5666-5673.	1.8	11
79	Molecular Biology of Bacillus subtilis Cytochromes anno 2020. Biochemistry (Moscow), 2021, 86, 8-21.	0.7	11
80	Cortex synthesis during Bacillus subtilis sporulation depends on the transpeptidase activity of SpoVD. FEMS Microbiology Letters, 2013, 346, 65-72.	0.7	10
81	Respiratory Heme A-Containing Oxidases Originated in the Ancestors of Iron-Oxidizing Bacteria. Frontiers in Microbiology, 2021, 12, 664216.	1.5	9
82	Promoted evolution of a shortened variant of heme A synthase in the membrane of Bacillus subtilis. FEBS Letters, 2008, 582, 1330-1334.	1.3	8
83	EPR characterization of soluble fragments of succinate dehydrogenase from mutant strains of Bacillus subtilis. FEBS Letters, 1989, 256, 195-199.	1.3	7
84	Transpeptidase activity of penicillin-binding protein SpoVD in peptidoglycan synthesis conditionally depends on the disulfide reductase SpoS. Molecular Microbiology, 2017, 105, 98-114.	1.2	7
85	Preparation and crystallization of a Bacillus subtilis arsenate reductase. Acta Crystallographica Section D: Biological Crystallography, 2001, 57, 1718-1721.	2.5	6
86	The PASTA domain of penicillin-binding protein SpoVD is dispensable for endospore cortex peptidoglycan assembly in Bacillus subtilis. Microbiology (United Kingdom), 2015, 161, 330-340.	0.7	6
87	YtkA (CtaK) and YozB (CtaM) function in the biogenesis of cytochrome c oxidase in Bacillus subtilis. Molecular Microbiology, 2021, 116, 184-199.	1.2	6
88	Forespore Targeting of SpoVD in Bacillus subtilis Is Mediated by the N-Terminal Part of the Protein. Journal of Bacteriology, 2018, 200, .	1.0	4
89	The structural gene for aspartokinase II in Bacillus subtilis is closely linked to the sdh operon. FEMS Microbiology Letters, 1989, 61, 85-87.	0.7	4
90	Diversity of Cytochrome c Oxidase Assembly Proteins in Bacteria. Microorganisms, 2022, 10, 926.	1.6	4

#	ARTICLE	IF	CITATIONS
91	Cytochrome b558 of Bacillus Subtilis. , 1987, , 641-647.		3
92	Succinate Dehydrogenase Activity and Succinate-reducible Cytochrome in Halobacterium halobium.. Acta Chemica Scandinavica, 1981, 35b, 601-603.	0.7	3
93	Complementation of succinate dehydrogenase mutants in fused Bacillus subtilis protoplasts. FEMS Microbiology Letters, 1984, 23, 51-54.	0.7	2
94	Positively Regulated Glycerol/G3P-Dependent <i>Bacillus subtilis</i> Gene Expression System Based on Anti-Termination. Journal of Molecular Microbiology and Biotechnology, 2009, 17, 61-70.	1.0	2
95	Production, purification and detergent exchange of isotopically labeled Bacillus subtilis cytochrome b558 (SdhC). Protein Expression and Purification, 2011, 80, 97-101.	0.6	2
96	Preparation, crystallization and preliminary X-ray analysis of protein YtlP from Bacillus subtilis. Acta Crystallographica Section F: Structural Biology Communications, 2006, 62, 967-969.	0.7	1
97	The 2-Oxoglutarate Dehydrogenase Complex of Bacillus subtilis. Annals of the New York Academy of Sciences, 1989, 573, 392-393.	1.8	0