Lars Hederstedt

List of Publications by Year
in descending order

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97	3,537	109264	168321
papers	citations	35 h-index	53 g-index

98	98	98	2656
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Diversity of Cytochrome c Oxidase Assembly Proteins in Bacteria. Microorganisms, 2022, 10, 926.	1.6	4
2	Molecular Biology of Bacillus subtilis Cytochromes anno 2020. Biochemistry (Moscow), 2021, 86, 8-21.	0.7	11
3	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
4	Respiratory Heme A-Containing Oxidases Originated in the Ancestors of Iron-Oxidizing Bacteria. Frontiers in Microbiology, 2021, 12, 664216.	1.5	9
5	Two Routes for Extracellular Electron Transfer in Enterococcus faecalis. Journal of Bacteriology, 2020, 202, .	1.0	37
6	Extracellular electron transfer features of Gram-positive bacteria. Analytica Chimica Acta, 2019, 1076, 32-47.	2.6	111
7	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
8	Extracellular Electron Transfer by the Gram-Positive Bacterium Enterococcus faecalis. Biochemistry, 2018, 57, 4597-4603.	1.2	89
9	Transpeptidase activity of penicillinâ€binding protein <scp>S</scp>po<scp>VD</scp> in peptidoglycan synthesis conditionally depends on the disulfide reductase <scp>S</scp>to<scp>A</scp>. Molecular Microbiology, 2017, 105, 98-114.	1.2	7
10	Electrochemical wiring of the Gram-positive bacterium Enterococcus faecalis with osmium redox polymer modified electrodes. Electrochemistry Communications, 2017, 75, 56-59.	2.3	29
11	Heme A synthase in bacteria depends on one pair of cysteinyls for activity. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 160-168.	0.5	13
12	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
13	In Vitro Assembly of Catalase. Journal of Biological Chemistry, 2014, 289, 28411-28420.	1.6	22
14	Heme Proteins in Lactic Acid Bacteria. Advances in Microbial Physiology, 2013, 62, 1-43.	1.0	44
15	Cortex synthesis duringBacillus subtilissporulation depends on the transpeptidase activity of SpoVD. FEMS Microbiology Letters, 2013, 346, 65-72.	0.7	10
16	Heme A biosynthesis. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 920-927.	0.5	69
17	Contribution of catalase to hydrogen peroxide resistance in Enterococcus faecalis. FEMS Microbiology Letters, 2012, 331, 160-164.	0.7	51
18	Genes Important for Catalase Activity in Enterococcus faecalis. PLoS ONE, 2012, 7, e36725.	1.1	35

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19	Production, purification and detergent exchange of isotopically labeled Bacillus subtilis cytochrome b558 (SdhC). Protein Expression and Purification, 2011, 80, 97-101.	0.6	2
20	Composition and function of cytochrome c biogenesis System II. FEBS Journal, 2011, 278, 4179-4188.	2.2	77
21	Inâ€ƒvivo production of catalase containing haem analogues. FEBS Journal, 2010, 277, 2663-2672.	2.2	18
22	Penicillin-binding protein SpoVD disulphide is a target for StoA inBacillus subtilisforespores. Molecular Microbiology, 2010, 75, 46-60.	1.2	17
23	Inâ€ƒvivo production of catalase containing haem analogues. FEBS Journal, 2010, 277, 2663-2672.	2.2	13
24	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
25	Crystal Structure and Biophysical Properties of Bacillus subtilis BdbD. Journal of Biological Chemistry, 2009, 284, 23719-23733.	1.6	37
26	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
27	Structure and Functional Properties of Bacillus subtilis Endospore Biogenesis Factor StoA. Journal of Biological Chemistry, 2009, 284, 10056-10066.	1.6	14
28	Review: Studies of ferric heme proteins with highly anisotropic/highly axial low spin (S = 1/2) electron paramagnetic resonance signals with bisâ€Histidine and histidineâ€methionine axial iron coordination. Biopolymers, 2009, 91, 1064-1082.	1.2	72
29	Haemâ€delivery proteins in cytochrome c maturation System II. Molecular Microbiology, 2009, 73, 1058-1071.	1.2	31
30	Quantification of Membrane Proteins Using Nonspecific Protease Digestions. Journal of Proteome Research, 2009, 8, 5666-5673.	1.8	11
31	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
32	Extracytoplasmic Processes Impaired by Inactivation of trxA (Thioredoxin Gene) in Bacillus subtilis. Journal of Bacteriology, 2008, 190, 4660-4665.	1.0	25
33	The Active-Site Cysteinyls and Hydrophobic Cavity Residues of ResA Are Important for CytochromecMaturation inBacillus subtilis. Journal of Bacteriology, 2008, 190, 4697-4705.	1.0	13
34	Effects of substitutions in the CXXC active-site motif of the extracytoplasmic thioredoxin ResA. Biochemical Journal, 2008, 414, 81-91.	1.7	36
35	Ca2+-binding and Ca2+-independent Respiratory NADH and NADPH Dehydrogenases of Arabidopsis thaliana. Journal of Biological Chemistry, 2007, 282, 28455-28464.	1.6	68
36	Compact archaeal variant of heme A synthase. FEBS Letters, 2006, 580, 5351-5356.	1.3	17

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37	Preparation, crystallization and preliminary X-ray analysis of protein YtlP fromBacillus subtilis. Acta Crystallographica Section F: Structural Biology Communications, 2006, 62, 967-969.	0.7	1
38	Role of Membrane-Bound Thiolâ€“Disulfide Oxidoreductases in Endospore-Forming Bacteria. Antioxidants and Redox Signaling, 2006, 8, 823-833.	2.5	25
39	Heme A Synthase Enzyme Functions Dissected by Mutagenesis of Bacillus subtilis CtaA. Journal of Bacteriology, 2005, 187, 8361-8369.	1.0	29
40	Bacillus subtilis StoA Is a Thiol-Disulfide Oxidoreductase Important for Spore Cortex Synthesis. Journal of Bacteriology, 2004, 186, 6230-6238.	1.0	41
41	CtaG is required for formation of active cytochrome c oxidase in Bacillus subtilis. Microbiology (United Kingdom), 2004, 150, 415-425.	0.7	28
42	STRUCTURAL BIOLOGY: Enhanced: Complex II Is Complex Too. Science, 2003, 299, 671-672.	6.0	30
43	Bacillus subtilis ResA Is a Thiol-Disulfide Oxidoreductase involved in Cytochrome c Synthesis. Journal of Biological Chemistry, 2003, 278, 17852-17858.	1.6	74
44	Mutations in the Thiol-Disulfide Oxidoreductases BdbC and BdbD Can Suppress Cytochrome c Deficiency of CcdA-Defective Bacillus subtilis Cells. Journal of Bacteriology, 2002, 184, 1423-1429.	1.0	72
45	Enterococcus faecalis Heme-Dependent Catalase. Journal of Bacteriology, 2002, 184, 6351-6356.	1.0	102
46	Succinate:quinone oxidoreductase in the bacteria Paracoccus denitrificans and Bacillus subtilis. Biochimica Et Biophysica Acta - Bioenergetics, 2002, 1553, 74-83.	0.5	45
47	Genes required for cytochrome c synthesis inBacillus subtilis. Molecular Microbiology, 2002, 36, 638-650.	1.2	85
48	Preparation and crystallization of aBacillus subtilisarsenate reductase. Acta Crystallographica Section D: Biological Crystallography, 2001, 57, 1718-1721.	2.5	6
49	The carboxin-binding site on Paracoccus denitrificans succinate:quinone reductase identified by mutations. , 2001, 33, 99-105.		70
50	TheBacillus subtilis ctaBparalogue,yjdK, can complement the heme A synthesis deficiency of a CtaB-deficient mutant. FEMS Microbiology Letters, 2000, 183, 247-251.	0.7	12
51	Enterococcus faecalis V583 Contains a Cytochrome bd -Type Respiratory Oxidase. Journal of Bacteriology, 2000, 182, 3863-3866.	1.0	87
52	Efficient Spore Synthesis in Bacillus subtilis Depends on the CcdA Protein. Journal of Bacteriology, 2000, 182, 2845-2854.	1.0	30
53	The Distal Heme Center inBacillussubtilisSuccinate:Quinone Reductase Is Crucial for Electron Transfer to Menaquinoneâ€. Biochemistry, 2000, 39, 8617-8624.	1.2	52
54	A Cytochrome bbâ€²-type Quinol Oxidase inBacillus subtilis Strain 168. Journal of Biological Chemistry, 1999, 274, 32810-32817.	1.6	59

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55	Organization of genes for tetrapyrrole biosynthesis in Gram-positive bacteria. Microbiology (United) Tj ETQq1 1 0.784314 rgBT /Overlo	0.7	71
56	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
57	Subunit II of Bacillus subtilis Cytochrome c Oxidase Is a Lipoprotein. Journal of Bacteriology, 1999, 181, 685-688.	1.0	37
58	The ms ² io ⁶ A37 Modification of tRNA in Salmonella typhimurium Regulates Growth on Citric Acid Cycle Intermediates. Journal of Bacteriology, 1998, 180, 3144-3151.	1.0	22
59	Electron Paramagnetic Resonance Studies of Succinate:Ubiquinone Oxidoreductase from Paracoccus denitrificans. Journal of Biological Chemistry, 1997, 272, 19373-19382.	1.6	23
60	Escherichia coliccmin-frame deletion mutants can produce periplasmic cytochromebbut not cytochromec. FEBS Letters, 1997, 410, 351-355.	1.3	44
61	Isolated Bacillus subtilis HemY has coproporphyrinogenIII to coproporphyrinIII oxidase activity. BBA - Proteins and Proteomics, 1997, 1340, 97-104.	2.1	27
62	A structural moDAl for the membrane-integral domain of succinate:quinone oxidoreductases. FEBS Letters, 1996, 389, 25-31.	1.3	122
63	Low-spin Heme A in the Heme A Biosynthetic Protein CtaA from Bacillus Subtilis. FEBS Journal, 1996, 238, 287-295.	0.2	47
64	Transmembrane topology and axial ligands to hemes in the cytochrome b subunit of Bacillus subtilis succinate:menaquinone reductase. Biochemistry, 1995, 34, 11080-11089.	1.2	48
65	The trinuclear iron-sulfur cluster S3 in Bacillus subtilis 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
66	HOQNO interaction with cytochromebin succinate:menaquinone oxidoreductase fromBacillus subtilis. FEBS Letters, 1995, 359, 23-26.	1.3	69
67	Purification and characterisation of a water-soluble ferrochelatase from Bacillus subtilis. FEBS Journal, 1994, 220, 201-208.	0.2	68
68	Bacillus subtilis CtaA and CtaB function in haem A biosynthesis. Molecular Microbiology, 1993, 10, 193-201.	1.2	110
69	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
70	Chapter 7 Progress in succinate:quinone oxidoreductase research. New Comprehensive Biochemistry, 1992, 23, 163-198.	0.1	70
71	Two hemes in Bacillus subtilis succinate:menaquinone oxidoreductase (complex II). Biochemistry, 1992, 31, 7411-7421.	1.2	92
72	Organization and regulation of the Bacillus subtilis odhAB operon, which encodes two of the subenzymes of the 2-oxoglutarate dehydrogenase complex. Molecular Genetics and Genomics, 1992, 234, 285-296.	2.4	20

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73	Molecular biology ofBacillus subtiliscytochromes. FEMS Microbiology Letters, 1992, 100, 91-100.	0.7	56
74	Molecular biology of Bacillus subtilis cytochromes. FEMS Microbiology Letters, 1992, 100, 91-100.	0.7	14
75	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
76	Bacillussubtilisholo-cytochromec-550 can be synthesised in aerobicEscherichia coli. FEBS Letters, 1990, 270, 147-151.	1.3	53
77	The structural gene for aspartokinase II inBacillus subtilisis closely linked to thesdhoperon. FEMS Microbiology Letters, 1989, 61, 85-88.	0.7	14
78	The 2-Oxoglutarate Dehydrogenase Complex of Bacillus subtilis. Annals of the New York Academy of Sciences, 1989, 573, 392-393.	1.8	0
79	EPR characterization of soluble fragments of succinate dehydrogenase from mutant strains ofBacillus subtilis. FEBS Letters, 1989, 256, 195-199.	1.3	7
80	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
81	Ligands to the 2Fe iron-sulfur center in succinate dehydrogenase. FEBS Letters, 1988, 232, 298-302.	1.3	12
82	Processing ofBacillus subtilissuccinate dehydrogenase and cytochrome &-558 polypeptides. FEBS Letters, 1987, 213, 385-390.	1.3	29
83	Bacillus subtilis citM, the structural gene for dihydrolipoamide transsuccinylase: cloning and expression in Escherichia coli. Gene, 1987, 61, 217-224.	1.0	15
84	Deletion of theBacillus subtilis sdhoperon. FEMS Microbiology Letters, 1987, 41, 203-206.	0.7	15
85	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
86	Cytochrome b558 of Bacillus Subtilis. , 1987, , 641-647.		3
87	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
88	Bacillus subtilis 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. Biochemistry, 1986, 25, 5202-5208.	1.2	39
89	[38] Molecular properties, genetics, and biosynthesis of Bacillus subtilis succinate dehydrogenase complex. Methods in Enzymology, 1986, 126, 399-414.	0.4	76
90	In vitro complementation ofBacillus subtilisandEscherichia coli. 2-oxoglutarate dehydrogenase complex mutants and genetic mapping ofB. subtilis citKandcitMmutations. FEMS Microbiology Letters, 1986, 37, 373-378.	0.7	11

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91	Soluble succinate dehydrogenase from the halophilic archaebacterium, Halobacterium halobium. Archives of Biochemistry and Biophysics, 1985, 239, 200-205.	1.4	27
92	Complementation of succinate dehydrogenase mutants in fusedBacillus subtilisprotoplasts. FEMS Microbiology Letters, 1984, 23, 51-54.	0.7	2
93	Succinate Dhydrogenase Mutants of Bacillus Suybtilis Lacking Covalently Bound Flavin in the Flavoprotien Subunit. FEBS Journal, 1983, 132, 589-593.	0.2	30
94	Succinate Dehydrogenase Activity and Succinate-reducible Cytochrome in Halobacterium halobium.. Acta Chemica Scandinavica, 1981, 35b, 601-603.	0.7	3
95	Role of Heme in Synthesis and Membrane Binding of Succinic Dehydrogenase in Bacillus subtilis. Journal of Bacteriology, 1979, 138, 377-382.	1.0	48
96	Respiratory Cytochromes, Other Heme Proteins, and Heme Biosynthesis. , 0, , 163-179.		12
97	The Krebs Citric Acid Cycle. , 0, , 181-197.		29