Linda ThÃ¶ny-Meyer

List of Publications by Year
in descending order

63 papers	3,913 citations	81900 39 h-index	118850 62 g-index
64 all docs	64 docs citations	64 times ranked	3982 citing authors

#	Article	IF	Citations
1	Overproduction of theBradyrhizobium japonicum c-Type Cytochrome Subunits of thecbb3Oxidase inEscherichia coli. Biochemical and Biophysical Research Communications, 1998, 251, 744-747.	2.1	386
2	Enzyme-catalyzed protein crosslinking. Applied Microbiology and Biotechnology, 2013, 97, 461-475.	3.6	233
3	Laccase versus Laccase-Like Multi-Copper Oxidase: A Comparative Study of Similar Enzymes with Diverse Substrate Spectra. PLoS ONE, 2013, 8, e65633.	2.5	177
4	Bacillus pumiluslaccase: a heat stable enzyme with a wide substrate spectrum. BMC Biotechnology, 2011, 11, 9.	3.3	170
5	An unusual gene cluster for the cytochrome bc1 complex in Bradyrhizobium japonicum and its requirement for effective root nodule symbiosis. Cell, 1989, 57, 683-697.	28.9	131
6	Periplasmic protein thiol:disulfide oxidoreductases ofEscherichia coli. FEMS Microbiology Reviews, 2000, 24, 303-316.	8.6	121
7	Bacterial tyrosinases: old enzymes with new relevance to biotechnology. New Biotechnology, 2012, 29, 183-191.	4.4	109
8	Cytochrome c biogenesis in bacteria: a possible pathway begins to emerge. Molecular Microbiology, 1994, 12, 1-9.	2.5	98
9	Assembly and Function of the Cytochrome cbb Oxidase Subunits in Bradyrhizobium japonicum. Journal of Biological Chemistry, 1996, 271, 9114-9119.	3.4	98
10	Biochemical properties and yields of diverse bacterial laccase-like multicopper oxidases expressed in Escherichia coli. Scientific Reports, 2015, 5, 10465.	3.3	97
11	Enatiomerically pure hydroxycarboxylic acids: current approaches and future perspectives. Applied Microbiology and Biotechnology, 2010, 87, 41-52.	3.6	96
12	AtCCMH, an essential component of the c-type cytochrome maturation pathway in Arabidopsis mitochondria, interacts with apocytochrome c. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 16113-16118.	7.1	93
13	A Bacterial Cytochrome c Heme Lyase. Journal of Biological Chemistry, 2002, 277, 7657-7663.	3.4	90
14	Bacterial tyrosinases and their applications. Process Biochemistry, 2012, 47, 1749-1760.	3.7	89
15	TEMPO-Oxidized Nanofibrillated Cellulose as a High Density Carrier for Bioactive Molecules. Biomacromolecules, 2015, 16, 3640-3650.	5.4	84
16	The ccoNOQP gene cluster codes for a cb-type cytochrome oxidase that functions in aerobic respiration of Rhodobacter capsulatus. Molecular Microbiology, 1994, 14, 705-716.	2.5	83
17	Haem-polypeptide interactions during cytochrome c maturation. Biochimica Et Biophysica Acta - Bioenergetics, 2000, 1459, 316-324.	1.0	76
18	The cycHJKL gene cluster plays an essential role in the biogenesis of c-type cytochromes in Bradyrhizobium japonicum. Molecular Genetics and Genomics, 1995, 247, 27-38.	2.4	72

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19	Translocation to the Periplasm and Signal Sequence Cleavage of Preapocytochrome c Depend on Sec and Lep, but not on the ccm gene products. FEBS Journal, 1997, 246, 794-799.	0.2	70
20	Structure of CcmG/DsbE at 1.14 Ã… Resolution. Structure, 2002, 10, 973-979.	3.3	69
21	New insights into the role of CcmC, CcmD and CcmE in the haem delivery pathway during cytochrome c maturation by a complete mutational analysis of the conserved tryptophan-rich motif of CcmC. Molecular Microbiology, 2000, 37, 1379-1388.	2.5	63
22	Physical Interaction of CcmC with Heme and the Heme Chaperone CcmE during Cytochrome c Maturation. Journal of Biological Chemistry, 2001, 276, 32591-32596.	3.4	62
23	NMR Structure of the Heme Chaperone CcmE Reveals a Novel Functional Motif. Structure, 2002, 10, 1551-1557.	3.3	61
24	Increased efficiency of <i>Campylobacter jejuni N</i> -oligosaccharyltransferase PglB by structure-guided engineering. Open Biology, 2015, 5, 140227.	3.6	59
25	Characterization of the Bradyrhizobium japonicum CycY Protein, a Membrane-anchored Periplasmic Thioredoxin That May Play a Role as a Reductant in the Biogenesis of c-Type Cytochromes. Journal of Biological Chemistry, 1997, 272, 4467-4473.	3.4	58
26	Biochemistry, regulation and genomics of haem biosynthesis in prokaryotes. Advances in Microbial Physiology, 2002, 46, 257-318.	2.4	58
27	Integrity of <i>thermus thermophilus</i> cytochrome c₅₅₂ Synthesized by <i>escherichia coli</i> cells expressing the hostâ€specific cytochrome <i>c</i> maturation genes, <i>ccmABCDEFGH</i>: Biochemical, spectral, and structural characterization of the recombinant protein. Protein Science, 2000, 9, 2074-2084.	7.6	53
28	CCME, a Nuclear-encoded Heme-binding Protein Involved in Cytochrome c Maturation in Plant Mitochondria. Journal of Biological Chemistry, 2001, 276, 5491-5497.	3.4	53
29	Biosynthesis of artificial microperoxidases by exploiting the secretion and cytochrome c maturation apparatuses of Escherichia coli. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 12830-12835.	7.1	53
30	Loss of ATP hydrolysis activity by CcmAB results in loss of c-type cytochrome synthesis and incomplete processing of CcmE. FEBS Journal, 2007, 274, 2322-2332.	4.7	53
31	Laccase Catalyzed Synthesis of Iodinated Phenolic Compounds with Antifungal Activity. PLoS ONE, 2014, 9, e89924.	2.5	52
32	The symbiotically essential<i>cbb</i>₃â€type oxidase of<i>Bradyrhizobium japonicum</i>is a proton pump. FEBS Letters, 2000, 470, 7-10.	2.8	49
33	Staphylococcus aureus DsbA is a membrane-bound lipoprotein with thiol-disulfide oxidoreductase activity. Archives of Microbiology, 2005, 184, 117-128.	2.2	47
34	Biochemical and genetic characterization of the acetaldehyde dehydrogenase complex from Acetobacter europaeus. Archives of Microbiology, 1997, 168, 81-91.	2.2	45
35	Requirements for Maturation of Bradyrhizobium japonicum Cytochrome c550 in Escherichia coli. FEBS Journal, 1996, 235, 754-761.	0.2	44
36	Escherichia coliccmin-frame deletion mutants can produce periplasmic cytochromebbut not cytochromec. FEBS Letters, 1997, 410, 351-355.	2.8	44

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37	Heterologous expression of soluble fragments of cytochrome c552 acting as electron donor to the Paracoccus denitrificans cytochrome c oxidase. Biochimica Et Biophysica Acta - Bioenergetics, 1999, 1411, 114-120.	1.0	44
38	Biochemical and Mutational Characterization of the Heme Chaperone CcmE Reveals a Heme Binding Site. Journal of Bacteriology, 2003, 185, 175-183.	2.2	42
39	How Replacements of the 12 Conserved Histidines of Subunit I Affect Assembly, Cofactor Binding, and Enzymatic Activity of the Bradyrhizobium japonicum cbb 3-type Oxidase. Journal of Biological Chemistry, 1998, 273, 6452-6459.	3.4	40
40	Enzymatic cross-linking of gelatine with laccase and tyrosinase. Biocatalysis and Biotransformation, 2012, 30, 86-95.	2.0	40
41	Light Harvesting Proteins for Solar Fuel Generation in Bioengineered Photoelectrochemical Cells. Current Protein and Peptide Science, 2014, 15, 374-384.	1.4	40
42	CcmD Is Involved in Complex Formation between CcmC and the Heme Chaperone CcmE during Cytochrome c Maturation. Journal of Biological Chemistry, 2005, 280, 236-243.	3.4	37
43	Axial Coordination of Heme in Ferric CcmE Chaperone Characterized by EPR Spectroscopy. Biophysical Journal, 2007, 92, 1361-1373.	0.5	36
44	Sortase A catalyzed reaction pathways: a comparative study with six SrtA variants. Catalysis Science and Technology, 2014, 4, 2946-2956.	4.1	35
45	Cross-linking and immobilisation of different proteins with recombinant Verrucomicrobium spinosum tyrosinase. Journal of Biotechnology, 2010, 150, 546-551.	3.8	31
46	Dynamic Features of a Heme Delivery System for Cytochrome c Maturation. Journal of Biological Chemistry, 2003, 278, 52061-52070.	3.4	29
47	Cytochrome c Maturation and the Physiological Role of c -Type Cytochromes in Vibrio cholerae. Journal of Bacteriology, 2005, 187, 5996-6004.	2.2	27
48	Tyrosinase-catalyzed site-specific immobilization of engineered C-phycocyanin to surface. Scientific Reports, 2014, 4, 5370.	3.3	26
49	A heme tag for in vivo synthesis of artificial cytochromes. Applied Microbiology and Biotechnology, 2005, 67, 234-239.	3.6	22
50	Improved productivity of poly (4-hydroxybutyrate) (P4HB) in recombinant Escherichia coli using glycerol as the growth substrate with fed-batch culture. Microbial Cell Factories, 2014, 13, 131.	4.0	21
51	3D Composite Assemblies of Microparticles and Nanofibers for Tailored Wettability and Controlled Drug Delivery. Macromolecular Materials and Engineering, 2017, 302, 1600458.	3.6	18
52	Bacterial genes and proteins involved in the biogenesis of c-type cytochromes and terminal oxidases. Biochimica Et Biophysica Acta - Bioenergetics, 1994, 1187, 260-263.	1.0	17
53	Engineered Bacillus pumilus laccase-like multi-copper oxidase for enhanced oxidation of the lignin model compound guaiacol. Protein Engineering, Design and Selection, 2017, 30, 449-453.	2.1	17
54	Prokaryotic polyprotein precursors. FEBS Letters, 1992, 307, 62-65.	2.8	15

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55	The C-Terminal Flexible Domain of the Heme Chaperone CcmE Is Important but Not Essential for Its Function. Journal of Bacteriology, 2003, 185, 3821-3827.	2.2	15
56	Histidine 131, not histidine 43, of theBradyrhizobium japonicumFixN protein is exposed towards the periplasm and essential for the function of thecbb3-type cytochrome oxidase. FEBS Letters, 1996, 394, 349-352.	2.8	14
57	Helix swapping leads to dimerization of the Nâ€terminal domain of the <i>c</i>â€type cytochrome maturation protein CcmH from <i>Escherichia coli</i>. FEBS Letters, 2008, 582, 2779-2786.	2.8	14
58	Affinity-Driven Immobilization of Proteins to Hematite Nanoparticles. ACS Applied Materials & Interfaces, 2016, 8, 20432-20439.	8.0	9
59	Heme C incorporation into the c -type cytochromes FixO and FixP is essential for assembly of the Bradyrhizobium japonicum cbb 3 -type oxidase. FEBS Letters, 1997, 412, 75-78.	2.8	7
60	Avoidance of the cytochrome c biogenesis system by periplasmic CXXCH motifs. Biochemical Society Transactions, 2008, 36, 1124-1128.	3.4	6
61	Heme ladder, a direct molecular weight marker for immunoblot analysis. Analytical Biochemistry, 2011, 409, 213-219.	2.4	6
62	The membrane anchors of the heme chaperone CcmE and the periplasmic thioredoxin CcmG are functionally important. FEBS Letters, 2006, 580, 216-222.	2.8	5
63	Heme Transport and Incorporation into Proteins. , 2009, , 149-159.		3