

John E Cronan

List of Publications by Year in descending order

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196
papers

12,700
citations

17440

63
h-index

30922

102
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199
all docs

199
docs citations

199
times ranked

9213
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in the Structural Biology, Mechanism, and Physiology of Cyclopropane Fatty Acid Modifications of Bacterial Membranes. <i>Microbiology and Molecular Biology Reviews</i> , 2022, 86, e0001322.	6.6	8
2	The <i>Enterococcus faecalis</i> FabT Transcription Factor Regulates Fatty Acid Biosynthesis in Response to Exogenous Fatty Acids. <i>Frontiers in Microbiology</i> , 2022, 13, 877582.	3.5	14
3	Loss of $\hat{1}^2$ -Ketoacyl Acyl Carrier Protein Synthase III Activity Restores Multidrug-Resistant <i>Escherichia coli</i> Sensitivity to Previously Ineffective Antibiotics. <i>MSphere</i> , 2022, 7, e0011722.	2.9	7
4	The <i>Escherichia coli</i> FadR transcription factor: Too much of a good thing?. <i>Molecular Microbiology</i> , 2021, 115, 1080-1085.	2.5	11
5	Temperature regulation of membrane composition in the Firmicute, <i>Enterococcus faecalis</i> , parallels that of <i>Escherichia coli</i> . <i>Environmental Microbiology</i> , 2021, 23, 2683-2691.	3.8	8
6	A division of labor between two biotin protein ligase homologs. <i>Molecular Microbiology</i> , 2021, 116, 648-662.	2.5	4
7	The Classical, Yet Controversial, First Enzyme of Lipid Synthesis: <i>Escherichia coli</i> Acetyl-CoA Carboxylase. <i>Microbiology and Molecular Biology Reviews</i> , 2021, 85, e0003221.	6.6	9
8	A cryptic long-chain 3-ketoacyl-ACP synthase in the <i>Pseudomonas putida</i> F1 unsaturated fatty acid synthesis pathway. <i>Journal of Biological Chemistry</i> , 2021, 297, 100920.	3.4	9
9	A Conserved and Seemingly Redundant <i>Escherichia coli</i> Biotin Biosynthesis Gene Expressed Only During Anaerobic Growth. <i>Molecular Microbiology</i> , 2021, 116, 1315-1327.	2.5	0
10	<i>Escherichia coli</i> FabG 3-ketoacyl-ACP reductase proteins lacking the assigned catalytic triad residues are active enzymes. <i>Journal of Biological Chemistry</i> , 2021, 296, 100365.	3.4	3
11	Biotin, a universal and essential cofactor: synthesis, ligation and regulation. <i>FEMS Microbiology Reviews</i> , 2021, 45, .	8.6	28
12	<i>Helicobacter pylori</i> FabX contains a [4Fe-4S] cluster essential for unsaturated fatty acid synthesis. <i>Nature Communications</i> , 2021, 12, 6932.	12.8	6
13	$\hat{1}\pm$ -proteobacteria synthesize biotin precursor pimeloyl-ACP using BioZ 3-ketoacyl-ACP synthase and lysine catabolism. <i>Nature Communications</i> , 2020, 11, 5598.	12.8	14
14	The primary step of biotin synthesis in mycobacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23794-23801.	7.1	9
15	Progress in the Enzymology of the Mitochondrial Diseases of Lipoic Acid Requiring Enzymes. <i>Frontiers in Genetics</i> , 2020, 11, 510.	2.3	25
16	A novel synthesis of trans-unsaturated fatty acids by the Gram-positive commensal bacterium <i>Enterococcus faecalis</i> FA2-2. <i>Chemistry and Physics of Lipids</i> , 2019, 222, 23-35.	3.2	9
17	<i>Enterococcus faecalis</i> Encodes an Atypical Auxiliary Acyl Carrier Protein Required for Efficient Regulation of Fatty Acid Synthesis by Exogenous Fatty Acids. <i>MBio</i> , 2019, 10, .	4.1	21
18	<i>Escherichia coli</i> vectors having stringently repressible replication origins allow a streamlining of Crispr/Cas9 gene editing. <i>Plasmid</i> , 2019, 103, 53-62.	1.4	7

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19	Coping with inadvertent lysis of <i>Escherichia coli</i> cultures: Strains resistant to lysogeny and infection by the stealthy lysogenic phage λ 80. <i>Biotechnology and Bioengineering</i> , 2019, 116, 1820-1826.	3.3	0
20	Transcriptional regulation of fatty acid cis-to-trans isomerization in the solvent-tolerant soil bacterium, <i>Pseudomonas putida</i> F1. <i>Environmental Microbiology</i> , 2019, 21, 1659-1676.	3.8	7
21	Development and retention of a primordial moonlighting pathway of protein modification in the absence of selection presents a puzzle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 647-655.	7.1	20
22	A Canonical Biotin Synthesis Enzyme, 8-Amino-7-Oxononanoate Synthase (BioF), Utilizes Different Acyl Chain Donors in <i>Bacillus subtilis</i> and <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	17
23	Advances in synthesis of biotin and assembly of lipoic acid. <i>Current Opinion in Chemical Biology</i> , 2018, 47, 60-66.	6.1	31
24	Protein moonlighting elucidates the essential human pathway catalyzing lipoic acid assembly on its cognate enzymes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E7063-E7072.	7.1	33
25	Lipoate-binding proteins and specific lipoate-protein ligases in microbial sulfur oxidation reveal an atypical role for an old cofactor. <i>ELife</i> , 2018, 7, .	6.0	38
26	Novel <i>Xanthomonas campestris</i> Long-Chain-Specific 3-Oxoacyl-Acyl Carrier Protein Reductase Involved in Diffusible Signal Factor Synthesis. <i>MBio</i> , 2018, 9, .	4.1	18
27	An Eight-Residue Deletion in <i>Escherichia coli</i> FabG Causes Temperature-Sensitive Growth and Lipid Synthesis Plus Resistance to the Calmodulin Inhibitor Trifluoperazine. <i>Journal of Bacteriology</i> , 2017, 199, .	2.2	13
28	Pimelic acid, the first precursor of the <i>Bacillus subtilis</i> biotin synthesis pathway, exists as the free acid and is assembled by fatty acid synthesis. <i>Molecular Microbiology</i> , 2017, 104, 595-607.	2.5	44
29	The pimeloyl-CoA synthetase BioW defines a new fold for adenylate-forming enzymes. <i>Nature Chemical Biology</i> , 2017, 13, 668-674.	8.0	30
30	Expression and Activity of the BioH Esterase of Biotin Synthesis is Independent of Genome Context. <i>Scientific Reports</i> , 2017, 7, 2141.	3.3	9
31	A Biotin Biosynthesis Gene Restricted to <i>Helicobacter</i> . <i>Scientific Reports</i> , 2016, 6, 21162.	3.3	36
32	Assembly of Lipoic Acid on Its Cognate Enzymes: an Extraordinary and Essential Biosynthetic Pathway. <i>Microbiology and Molecular Biology Reviews</i> , 2016, 80, 429-450.	6.6	111
33	Unsaturated Fatty Acid Synthesis in the Gastric Pathogen <i>Helicobacter pylori</i> Proceeds via a Backtracking Mechanism. <i>Cell Chemical Biology</i> , 2016, 23, 1480-1489.	5.2	18
34	The <i>Staphylococcus aureus</i> group II biotin protein ligase BirA is an effective regulator of biotin operon transcription and requires the DNA binding domain for full enzymatic activity. <i>Molecular Microbiology</i> , 2016, 102, 417-429.	2.5	17
35	An Atypical β -Hydrolase Fold Revealed in the Crystal Structure of Pimeloyl-Acyl Carrier Protein Methyl Esterase BioG from <i>Haemophilus influenzae</i> . <i>Biochemistry</i> , 2016, 55, 6705-6717.	2.5	19
36	pBR322 vectors having tetracycline-dependent replication. <i>Plasmid</i> , 2016, 84-85, 20-26.	1.4	3

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37	Biosynthesis of Squalene from Farnesyl Diphosphate in Bacteria: Three Steps Catalyzed by Three Enzymes. <i>ACS Central Science</i> , 2015, 1, 77-82.	11.3	69
38	A series of medium and high copy number arabinose-inducible <i>Escherichia coli</i> expression vectors compatible with pBR322 and pACYC184. <i>Plasmid</i> , 2015, 81, 21-26.	1.4	14
39	The Atypical Occurrence of Two Biotin Protein Ligases in <i>Francisella novicida</i> Is Due to Distinct Roles in Virulence and Biotin Metabolism. <i>MBio</i> , 2015, 6, e00591.	4.1	25
40	The Conserved Modular Elements of the Acyl Carrier Proteins of Lipid Synthesis Are Only Partially Interchangeable. <i>Journal of Biological Chemistry</i> , 2015, 290, 13791-13799.	3.4	16
41	The <i>Streptomyces coelicolor</i> Lipoate-protein Ligase Is a Circularly Permuted Version of the <i>Escherichia coli</i> Enzyme Composed of Discrete Interacting Domains. <i>Journal of Biological Chemistry</i> , 2015, 290, 7280-7290.	3.4	14
42	Successful Conversion of the <i>Bacillus subtilis</i> BirA Group II Biotin Protein Ligase into a Group I Ligase. <i>PLoS ONE</i> , 2014, 9, e96757.	2.5	26
43	The structure of lipoyl synthase, a remarkable enzyme that performs the last step of an extraordinary biosynthetic pathway. <i>Biochemical Journal</i> , 2014, 464, e1-e3.	3.7	5
44	A <i>Francisella</i> virulence factor catalyses an essential reaction of biotin synthesis. <i>Molecular Microbiology</i> , 2014, 91, 300-314.	2.5	55
45	Evidence against Translational Repression by the Carboxyltransferase Component of <i>Escherichia coli</i> Acetyl Coenzyme A Carboxylase. <i>Journal of Bacteriology</i> , 2014, 196, 3768-3775.	2.2	9
46	An <i>NAD</i> synthetic reaction bypasses the lipoate requirement for aerobic growth of <i>Escherichia coli</i> strains blocked in succinate catabolism. <i>Molecular Microbiology</i> , 2014, 94, 1134-1145.	2.5	3
47	PdhR, the pyruvate dehydrogenase repressor, does not regulate lipoic acid synthesis. <i>Research in Microbiology</i> , 2014, 165, 429-438.	2.1	8
48	The chain-flipping mechanism of ACP (acyl carrier protein)-dependent enzymes appears universal. <i>Biochemical Journal</i> , 2014, 460, 157-163.	3.7	88
49	Inefficient Translation Renders the <i>Enterococcus faecalis</i> fabK Enoyl-Acyl Carrier Protein Reductase Phenotypically Cryptic. <i>Journal of Bacteriology</i> , 2014, 196, 170-179.	2.2	13
50	<i>Xanthomonas campestris</i> RpfB is a fatty acyl-CoA ligase required to counteract the thioesterase activity of the RpfF diffusible signal factor (DSF) synthase. <i>Molecular Microbiology</i> , 2014, 93, 262-275.	2.5	55
51	A new pathway of exogenous fatty acid incorporation proceeds by a classical phosphoryl transfer reaction. <i>Molecular Microbiology</i> , 2014, 92, 217-221.	2.5	14
52	Biotin and Lipoic Acid: Synthesis, Attachment, and Regulation. <i>EcoSal Plus</i> , 2014, 6, .	5.4	54
53	The role of the <i>Saccharomyces cerevisiae</i> lipoate protein ligase homologue, Lip3, in lipoic acid synthesis. <i>Yeast</i> , 2013, 30, 415-427.	1.7	34
54	The Wing of a Winged Helix-Turn-Helix Transcription Factor Organizes the Active Site of BirA, a Bifunctional Repressor/Ligase. <i>Journal of Biological Chemistry</i> , 2013, 288, 36029-36039.	3.4	20

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55	Proofreading of Noncognate Acyl Adenylates by an Acyl-Coenzyme A Ligase. <i>Chemistry and Biology</i> , 2013, 20, 1441-1446.	6.0	15
56	Discovery of a cAMP Deaminase That Quenches Cyclic AMP-Dependent Regulation. <i>ACS Chemical Biology</i> , 2013, 8, 2622-2629.	3.4	13
57	FabQ, a Dual-Function Dehydratase/Isomerase, Circumvents the Last Step of the Classical Fatty Acid Synthesis Cycle. <i>Chemistry and Biology</i> , 2013, 20, 1157-1167.	6.0	18
58	Improved plasmid-based system for fully regulated off-to-on gene expression in <i>Escherichia coli</i> : Application to production of toxic proteins. <i>Plasmid</i> , 2013, 69, 81-89.	1.4	10
59	Profligate biotin synthesis in <i>γ</i> -proteobacteria: a developing or degenerating regulatory system?. <i>Molecular Microbiology</i> , 2013, 88, 77-92.	2.5	36
60	The Two Functional Enoyl-Acyl Carrier Protein Reductases of <i>Enterococcus faecalis</i> Do Not Mediate Triclosan Resistance. <i>MBio</i> , 2013, 4, e00613-13.	4.1	56
61	Dimerization of the Bacterial Biotin Carboxylase Subunit Is Required for Acetyl Coenzyme A Carboxylase Activity In Vivo. <i>Journal of Bacteriology</i> , 2012, 194, 72-78.	2.2	11
62	Evolution of a new function in an esterase: simple amino acid substitutions enable the activity present in the larger paralog, BioH. <i>Protein Engineering, Design and Selection</i> , 2012, 25, 387-395.	2.1	9
63	The BioC O-Methyltransferase Catalyzes Methyl Esterification of Malonyl-Acyl Carrier Protein, an Essential Step in Biotin Synthesis. <i>Journal of Biological Chemistry</i> , 2012, 287, 37010-37020.	3.4	54
64	Only One of the Five <i>Ralstonia solanacearum</i> Long-Chain 3-Ketoacyl-Acyl Carrier Protein Synthase Homologues Functions in Fatty Acid Synthesis. <i>Applied and Environmental Microbiology</i> , 2012, 78, 1563-1573.	3.1	16
65	Altered Regulation of <i>Escherichia coli</i> Biotin Biosynthesis in BirA Superrepressor Mutant Strains. <i>Journal of Bacteriology</i> , 2012, 194, 1113-1126.	2.2	40
66	Structure of the enzyme-acyl carrier protein (ACP) substrate gatekeeper complex required for biotin synthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 17406-17411.	7.1	87
67	Crosstalk of <i>Escherichia coli</i> FadR with Global Regulators in Expression of Fatty Acid Transport Genes. <i>PLoS ONE</i> , 2012, 7, e46275.	2.5	51
68	Remarkable Diversity in the Enzymes Catalyzing the Last Step in Synthesis of the Pimelate Moiety of Biotin. <i>PLoS ONE</i> , 2012, 7, e49440.	2.5	34
69	The <i>Burkholderia cenocepacia</i> BDSF quorum sensing fatty acid is synthesized by a bifunctional crotonase homologue having both dehydratase and thioesterase activities. <i>Molecular Microbiology</i> , 2012, 83, 840-855.	2.5	76
70	Closing in on complete pathways of biotin biosynthesis. <i>Molecular BioSystems</i> , 2011, 7, 1811.	2.9	123
71	Complex binding of the FabR repressor of bacterial unsaturated fatty acid biosynthesis to its cognate promoters. <i>Molecular Microbiology</i> , 2011, 80, 195-218.	2.5	92
72	A novel two-gene requirement for the octanoyltransfer reaction of <i>Bacillus subtilis</i> lipoic acid biosynthesis. <i>Molecular Microbiology</i> , 2011, 80, 335-349.	2.5	46

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73	A novel amidotransferase required for lipoic acid cofactor assembly in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 2011, 80, 350-363.	2.5	51
74	The <i>Vibrio cholerae</i> fatty acid regulatory protein, FadR, represses transcription of <i>plsB</i> , the gene encoding the first enzyme of membrane phospholipid biosynthesis. <i>Molecular Microbiology</i> , 2011, 81, 1020-1033.	2.5	40
75	Synthesis of the ϵ -dicarboxylic acid precursor of biotin by the canonical fatty acid biosynthetic pathway. <i>Current Opinion in Chemical Biology</i> , 2011, 15, 407-413.	6.1	38
76	A Complex Lipoate Utilization Pathway in <i>Listeria monocytogenes</i> . <i>Journal of Biological Chemistry</i> , 2011, 286, 31447-31456.	3.4	32
77	Protein-Protein Interactions in Assembly of Lipoic Acid on the 2-Oxoacid Dehydrogenases of Aerobic Metabolism. <i>Journal of Biological Chemistry</i> , 2011, 286, 8263-8276.	3.4	24
78	The Switch Regulating Transcription of the <i>Escherichia coli</i> Biotin Operon Does Not Require Extensive Protein-Protein Interactions. <i>Chemistry and Biology</i> , 2010, 17, 11-17.	6.0	15
79	Biotin synthesis begins by hijacking the fatty acid synthetic pathway. <i>Nature Chemical Biology</i> , 2010, 6, 682-688.	8.0	170
80	Antibacterial Activity of <i>N</i> -Pentylpantothenamide Is Due to Inhibition of Coenzyme A Synthesis. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 1374-1377.	3.2	29
81	Transcriptional patterns in both host and bacterium underlie a daily rhythm of anatomical and metabolic change in a beneficial symbiosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 2259-2264.	7.1	149
82	Overlapping Repressor Binding Sites Result in Additive Regulation of <i>Escherichia coli</i> FadH by FadR and ArcA. <i>Journal of Bacteriology</i> , 2010, 192, 4289-4299.	2.2	53
83	Intein-mediated Cyclization of Bacterial Acyl Carrier Protein Stabilizes Its Folded Conformation but Does Not Abolish Function. <i>Journal of Biological Chemistry</i> , 2010, 285, 8605-8614.	3.4	21
84	Triclosan Resistance of <i>Pseudomonas aeruginosa</i> PAO1 Is Due to FabV, a Triclosan-Resistant Enoyl-Acyl Carrier Protein Reductase. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 689-698.	3.2	170
85	Expression of <i>Vibrio harveyi</i> Acyl-ACP Synthetase Allows Efficient Entry of Exogenous Fatty Acids into the <i>Escherichia coli</i> Fatty Acid and Lipid A Synthetic Pathways. <i>Biochemistry</i> , 2010, 49, 718-726.	2.5	38
86	Lipoic Acid Synthesis: A New Family of Octanoyltransferases Generally Annotated as Lipoate Protein Ligases. <i>Biochemistry</i> , 2010, 49, 10024-10036.	2.5	44
87	Scavenging of Cytosolic Octanoic Acid by Mutant LplA Lipoate Ligases Allows Growth of <i>Escherichia coli</i> Strains Lacking the LipB Octanoyltransferase of Lipoic Acid Synthesis. <i>Journal of Bacteriology</i> , 2009, 191, 6796-6803.	2.2	30
88	<i>Escherichia coli</i> Unsaturated Fatty Acid Synthesis. <i>Journal of Biological Chemistry</i> , 2009, 284, 29526-29535.	3.4	181
89	A New Member of the <i>Escherichia coli</i> <i>fad</i> Regulon: Transcriptional Regulation of <i>fadM</i> (<i>fadM</i>) Tj ETQq1 1 0,784314 rgBT /Over	2.2	42
90	Functions of the <i>Clostridium acetobutylicum</i> FabF and FabZ proteins in unsaturated fatty acid biosynthesis. <i>BMC Microbiology</i> , 2009, 9, 119.	3.3	38

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91	Chapter 17 Bacterial Fatty Acid Synthesis and its Relationships with Polyketide Synthetic Pathways. <i>Methods in Enzymology</i> , 2009, 459, 395-433.	1.0	241
92	The <i>Thermoplasma acidophilum</i> LplA-LplB Complex Defines a New Class of Bipartite Lipoate-protein Ligases. <i>Journal of Biological Chemistry</i> , 2009, 284, 21317-21326.	3.4	31
93	The <i>Lactococcus lactis</i> FabF fatty acid synthetic enzyme can functionally replace both the FabB and FabF proteins of <i>Escherichia coli</i> and the FabH protein of <i>Lactococcus lactis</i> . <i>Archives of Microbiology</i> , 2008, 190, 427-437.	2.2	35
94	Promiscuous protein biotinylation by <i>Escherichia coli</i> biotin protein ligase. <i>Protein Science</i> , 2008, 13, 3043-3050.	7.6	213
95	<i>Vibrio cholerae</i> FabV Defines a New Class of Enoyl-Acyl Carrier Protein Reductase. <i>Journal of Biological Chemistry</i> , 2008, 283, 1308-1316.	3.4	102
96	Genetic Interaction Between the <i>Escherichia coli</i> AcpT Phosphopantetheinyl Transferase and the YejM Inner Membrane Protein. <i>Genetics</i> , 2008, 178, 1327-1337.	2.9	41
97	Biosynthesis of Membrane Lipids. <i>EcoSal Plus</i> , 2008, 3, .	5.4	48
98	Biotin and Lipoic Acid: Synthesis, Attachment, and Regulation. <i>EcoSal Plus</i> , 2008, 3, .	5.4	20
99	Coordinate Expression of the Acetyl Coenzyme A Carboxylase Genes, <i>accB</i> and <i>accC</i> , Is Necessary for Normal Regulation of Biotin Synthesis in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2007, 189, 369-376.	2.2	36
100	In Vivo Functional Analyses of the Type II Acyl Carrier Proteins of Fatty Acid Biosynthesis*. <i>Journal of Biological Chemistry</i> , 2007, 282, 20319-20328.	3.4	70
101	In Vivo Resolution of Conflicting In Vitro Results: Synthesis of Biotin from Dethiobiotin Does Not Require Pyridoxal Phosphate. <i>Chemistry and Biology</i> , 2007, 14, 1215-1220.	6.0	7
102	Dephospho-CoA kinase provides a rapid and sensitive radiochemical assay for coenzyme A and its thioesters. <i>Analytical Biochemistry</i> , 2007, 368, 17-23.	2.4	17
103	The Soluble Acyl-Acyl Carrier Protein Synthetase of <i>Vibrio harveyi</i> B392 Is a Member of the Medium Chain Acyl-CoA Synthetase Family. <i>Biochemistry</i> , 2006, 45, 10008-10019.	2.5	84
104	Avant Garde Fatty Acid Synthesis by Trypanosomes. <i>Cell</i> , 2006, 126, 641-643.	28.9	8
105	A bacterium that has three pathways to regulate membrane lipid fluidity. <i>Molecular Microbiology</i> , 2006, 60, 256-259.	2.5	26
106	A genome rearrangement has orphaned the <i>Escherichia coli</i> K-12 AcpT phosphopantetheinyl transferase from its cognate <i>Escherichia coli</i> O157:H7 substrates. <i>Molecular Microbiology</i> , 2006, 61, 232-242.	2.5	20
107	Remarkable structural variation within fatty acid megasynthases. , 2006, 2, 232-234.		14
108	A family of arabinose-inducible <i>Escherichia coli</i> expression vectors having pBR322 copy control. <i>Plasmid</i> , 2006, 55, 152-157.	1.4	82

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109	The $\hat{1}^2$ -Oxidation Systems of <i>Escherichia coli</i> and <i>Salmonella enterica</i> Are Not Functionally Equivalent. <i>Journal of Bacteriology</i> , 2006, 188, 599-608.	2.2	80
110	The <i>Mycobacterium tuberculosis</i> LipB enzyme functions as a cysteine/lysine dyad acyltransferase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 8662-8667.	7.1	68
111	Gene-Specific Random Mutagenesis of <i>Escherichia coli</i> In Vivo: Isolation of Temperature-Sensitive Mutations in the Acyl Carrier Protein of Fatty Acid Synthesis. <i>Journal of Bacteriology</i> , 2006, 188, 287-296.	2.2	32
112	Tricarboxylic Acid Cycle and Glyoxylate Bypass. <i>EcoSal Plus</i> , 2005, 1, .	5.4	81
113	Two-Carbon Compounds and Fatty Acids as Carbon Sources. <i>EcoSal Plus</i> , 2005, 1, .	5.4	50
114	Targeted and proximity-dependent promiscuous protein biotinylation by a mutant <i>Escherichia coli</i> biotin protein ligase. <i>Journal of Nutritional Biochemistry</i> , 2005, 16, 416-418.	4.2	64
115	Biotin Synthase Is Catalytic In Vivo, but Catalysis Engenders Destruction of the Protein. <i>Chemistry and Biology</i> , 2005, 12, 461-468.	6.0	61
116	A Nucleosidase Required for In Vivo Function of the S-Adenosyl-L-Methionine Radical Enzyme, Biotin Synthase. <i>Chemistry and Biology</i> , 2005, 12, 589-593.	6.0	71
117	Unexpected Functional Diversity among FadR Fatty Acid Transcriptional Regulatory Proteins. <i>Journal of Biological Chemistry</i> , 2005, 280, 32148-32156.	3.4	55
118	The Enigmatic Acyl Carrier Protein Phosphodiesterase of <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 34675-34683.	3.4	53
119	Function, Attachment and Synthesis of Lipoic Acid in <i>Escherichia coli</i> . <i>Advances in Microbial Physiology</i> , 2005, 50, 103-146.	2.4	118
120	The Reaction of LipB, the Octanoyl-[Acyl Carrier Protein]:ProteinN-Octanoyltransferase of Lipoic Acid Synthesis, Proceeds through an Acyl-Enzyme Intermediate. <i>Biochemistry</i> , 2005, 44, 16737-16746.	2.5	61
121	Mammalian mitochondria contain a soluble acyl carrier protein. <i>FEBS Letters</i> , 2005, 579, 4892-4896.	2.8	70
122	Isolation and Characterization of $\hat{1}^2$ -Ketoacyl-Acyl Carrier Protein Reductase (fabG) Mutants of <i>Escherichia coli</i> and <i>Salmonella enterica</i> Serovar Typhimurium. <i>Journal of Bacteriology</i> , 2004, 186, 1869-1878.	2.2	84
123	Expression of Two <i>Escherichia coli</i> Acetyl-CoA Carboxylase Subunits Is Autoregulated. <i>Journal of Biological Chemistry</i> , 2004, 279, 2520-2527.	3.4	49
124	Functional Replacement of the FabA and FabB Proteins of <i>Escherichia coli</i> Fatty Acid Synthesis by <i>Enterococcus faecalis</i> FabZ and FabF Homologues. <i>Journal of Biological Chemistry</i> , 2004, 279, 34489-34495.	3.4	88
125	The <i>Escherichia coli</i> fadK (ydiD) Gene Encodes an Anaerobically Regulated Short Chain Acyl-CoA Synthetase. <i>Journal of Biological Chemistry</i> , 2004, 279, 37324-37333.	3.4	56
126	The Structure of Mammalian Fatty Acid Synthase Turned Back to Front. <i>Chemistry and Biology</i> , 2004, 11, 1601-1602.	6.0	9

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127	Only One of the Two Annotated <i>Lactococcus lactis</i> fabG Genes Encodes a Functional β -Ketoacyl-ACP Carrier Protein Reductase. <i>Biochemistry</i> , 2004, 43, 11782-11789.	2.5	28
128	The Biotin Repressor: Modulation of Allostery by Corepressor Analogs. <i>Journal of Molecular Biology</i> , 2004, 337, 857-869.	4.2	54
129	Bacterial Membrane Lipids: Where Do We Stand?. <i>Annual Review of Microbiology</i> , 2003, 57, 203-224.	7.3	310
130	Assembly of the Covalent Linkage between Lipoic Acid and Its Cognate Enzymes. <i>Chemistry and Biology</i> , 2003, 10, 1293-1302.	6.0	137
131	A new <i>Escherichia coli</i> metabolic competency: growth on fatty acids by a novel anaerobic β -oxidation pathway. <i>Molecular Microbiology</i> , 2003, 47, 793-805.	2.5	186
132	<i>Haemophilus influenzae</i> Rd Lacks a Stringently Conserved Fatty Acid Biosynthetic Enzyme and Thermal Control of Membrane Lipid Composition. <i>Journal of Bacteriology</i> , 2003, 185, 4930-4937.	2.2	20
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