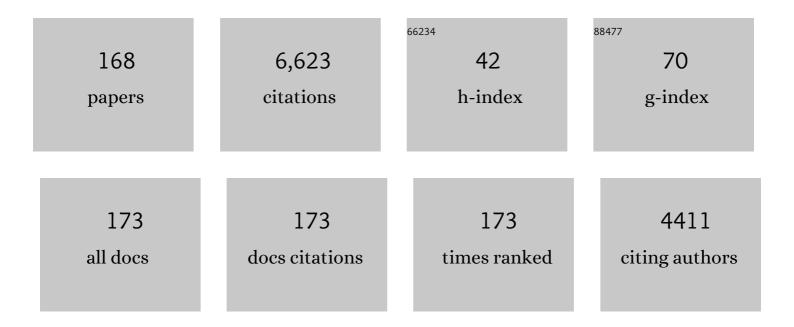
## Jorge C Escalante-Semerena

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	The biosynthesis of adenosylcobalamin (vitamin B12). Natural Product Reports, 2002, 19, 390-412.	5.2	409
2	Identification of the Protein Acetyltransferase (Pat) Enzyme that Acetylates Acetyl-CoA Synthetase in Salmonella enterica. Journal of Molecular Biology, 2004, 340, 1005-1012.	2.0	243
3	The 1.75 à Crystal Structure of Acetyl-CoA Synthetase Bound to Adenosine-5â€~-propylphosphate and Coenzyme Aâ€. Biochemistry, 2003, 42, 2866-2873.	1.2	208
4	N-Lysine Propionylation Controls the Activity of Propionyl-CoA Synthetase. Journal of Biological Chemistry, 2007, 282, 30239-30245.	1.6	176
5	Acylation of Biomolecules in Prokaryotes: a Widespread Strategy for the Control of Biological Function and Metabolic Stress. Microbiology and Molecular Biology Reviews, 2015, 79, 321-346.	2.9	173
6	NÎμâ^Lysine Acetylation of a Bacterial Transcription Factor Inhibits Its DNA-Binding Activity. PLoS ONE, 2010, 5, e15123.	1.1	137
7	CobB, a New Member of the SIR2 Family of Eucaryotic Regulatory Proteins, Is Required to Compensate for the Lack of Nicotinate Mononucleotide:5,6-Dimethylbenzimidazole Phosphoribosyltransferase Activity in cobT Mutants during Cobalamin Biosynthesis in Salmonella typhimurium LT2. Journal of Biological Chemistry, 1998, 273, 31788-31794.	1.6	136
8	<i>Salmonella typhimurium</i> LT2 Catabolizes Propionate via the 2-Methylcitric Acid Cycle. Journal of Bacteriology, 1999, 181, 5615-5623.	1.0	134
9	Control of Acetyl-Coenzyme A Synthetase (AcsA) Activity by Acetylation/Deacetylation without NAD + Involvement in Bacillus subtilis. Journal of Bacteriology, 2006, 188, 5460-5468.	1.0	129
10	Construction and use of new cloning vectors for the rapid isolation of recombinant proteins from Escherichia coli. Plasmid, 2008, 59, 231-237.	0.4	122
11	Minimal Functions and Physiological Conditions Required for Growth of Salmonella enterica on Ethanolamine in the Absence of the Metabolosome. Journal of Bacteriology, 2005, 187, 8039-8046.	1.0	115
12	Short-Chain Fatty Acid Activation by Acyl-Coenzyme A Synthetases Requires SIR2 Protein Function in <i>Salmonella enterica</i> and <i>Saccharomyces cerevisiae</i> . Genetics, 2003, 163, 545-555.	1.2	106
13	Characterization of the Propionyl-CoA Synthetase (PrpE) Enzyme ofSalmonella enterica:Â Residue Lys592 Is Required for Propionyl-AMP Synthesisâ€. Biochemistry, 2002, 41, 2379-2387.	1.2	104
14	Control of protein function by reversible NÉ›-lysine acetylation in bacteria. Current Opinion in Microbiology, 2011, 14, 200-204.	2.3	91
15	Spectroscopic and Computational Studies of the ATP:Corrinoid Adenosyltransferase (CobA) fromSalmonella enterica:Â Insights into the Mechanism of Adenosylcobalamin Biosynthesis. Journal of the American Chemical Society, 2005, 127, 8710-8719.	6.6	90
16	Conversion of Cobinamide into Adenosylcobamide in Bacteria and Archaea. Journal of Bacteriology, 2007, 189, 4555-4560.	1.0	89
17	Coenzyme F420 dependence of the methylenetetrahydromethanopterin dehydrogenase of Methanobacteriumthermoautotrophicum. Biochemical and Biophysical Research Communications, 1985, 133, 884-890.	1.0	85
18	An in Vitro Reducing System for the Enzymic Conversion of Cobalamin to Adenosylcobalamin. Journal of Biological Chemistry, 2001, 276, 32101-32108.	1.6	83

#	Article	IF	CITATIONS
19	Studies of Propionate Toxicity in Salmonella enterica Identify 2-Methylcitrate as a Potent Inhibitor of Cell Growth. Journal of Biological Chemistry, 2001, 276, 19094-19101.	1.6	81

## The prpE gene of Salmonella typhimurium LT2 encodes propionyl-CoA synthetase. Microbiology (United) Tj ETQq0 8.0 rgBT / Qyerlock 10

21	Reversible <i>N</i> <sup>ε</sup> â€lysine acetylation regulates the activity of acylâ€CoA synthetases involved in anaerobic benzoate catabolism in <i>Rhodopseudomonas palustris</i> . Molecular Microbiology, 2010, 76, 874-888.	1.2	80
22	System-wide Studies of N-Lysine Acetylation in Rhodopseudomonas palustris Reveal Substrate Specificity of Protein Acetyltransferases. Journal of Biological Chemistry, 2012, 287, 15590-15601.	1.6	80
23	In Vitro Conversion of Propionate to Pyruvate bySalmonella entericaEnzymes:Â 2-Methylcitrate Dehydratase (PrpD) and Aconitase Enzymes Catalyze the Conversion of 2-Methylcitrate to 2-Methylisocitrateâ€. Biochemistry, 2001, 40, 4703-4713.	1.2	79
24	Protein Acetylation in Bacteria. Annual Review of Microbiology, 2019, 73, 111-132.	2.9	78
25	Reduction of Cob(III)alamin to Cob(II)alamin inSalmonella enterica Serovar Typhimurium LT2. Journal of Bacteriology, 2000, 182, 4304-4309.	1.0	75
26	Three-Dimensional Structure of ATP:Corrinoid Adenosyltransferase fromSalmonella typhimuriumin Its Free State, Complexed with MgATP, or Complexed with Hydroxycobalamin and MgATPâ€,â€j. Biochemistry, 2001, 40, 361-374.	1.2	72
27	In <i>Bacillus subtilis</i> , the Sirtuin Protein Deacetylase, Encoded by the <i>srtN</i> Gene (Formerly) Tj ETQq1 I Coenzyme A Synthetase. Journal of Bacteriology, 2009, 191, 1749-1755.	l 0.78431 1.0	.4 rgBT /Ov 69
28	Propionyl Coenzyme A Is a Common Intermediate in the 1,2-Propanediol and Propionate Catabolic Pathways Needed for Expression of the prpBCDE Operon during Growth of Salmonella enterica on 1,2-Propanediol. Journal of Bacteriology, 2003, 185, 2802-2810.	1.0	67
29	The eutT Gene of Salmonella enterica Encodes an Oxygen-Labile, Metal-Containing ATP:Corrinoid Adenosyltransferase Enzyme. Journal of Bacteriology, 2004, 186, 5708-5714.	1.0	67
30	Structural Characterization of the Active Site of the PduO-Type ATP:Co(I)rrinoid Adenosyltransferase from Lactobacillus reuteri. Journal of Biological Chemistry, 2007, 282, 2596-2605.	1.6	63
31	CbiZ, an amidohydrolase enzyme required for salvaging the coenzyme B12 precursor cobinamide in archaea. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 3591-3596.	3.3	62
32	Residue Leu-641 of Acetyl-CoA Synthetase is Critical for the Acetylation of Residue Lys-609 by the Protein Acetyltransferase Enzyme of Salmonella enterica. Journal of Biological Chemistry, 2005, 280, 26200-26205.	1.6	62
33	Methenyl-tetrahydromethanopterin cyclohydrolase in cell extracts of Methanobacterium. Archives of Biochemistry and Biophysics, 1985, 242, 430-439.	1.4	60
34	Purification and Characterization of CobT, the Nicotinate-mononucleotide:5,6-Dimethylbenzimidazole Phosphoribosyltransferase Enzyme from Salmonella typhimurium LT2. Journal of Biological Chemistry, 1997, 272, 17662-17667.	1.6	56
35	Single-enzyme conversion of FMNH2 to 5,6-dimethylbenzimidazole, the lower ligand of B12. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2921-2926.	3.3	56
36	Structural Characterization of a Human-Type Corrinoid Adenosyltransferase Confirms That Coenzyme B <sub>12</sub> Is Synthesized through a Four-Coordinate Intermediate. Biochemistry, 2008, 47, 5755-5766.	1.2	55

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37	The cobinamide amidohydrolase (cobyric acidâ€forming) CbiZ enzyme: a critical activity of the cobamide remodelling system of <i>Rhodobacter sphaeroides</i> . Molecular Microbiology, 2009, 74, 1198-1210.	1.2	52
38	CobD, a Novel Enzyme withl-Threonine-O-3-phosphate Decarboxylase Activity, Is Responsible for the Synthesis of (R)-1-Amino-2-propanol O-2-Phosphate, a Proposed New Intermediate in Cobalamin Biosynthesis inSalmonella typhimurium LT2. Journal of Biological Chemistry, 1998, 273, 2684-2691.	1.6	51
39	Reassessment of the Late Steps of Coenzyme B 12 Synthesis in Salmonella enterica : Evidence that Dephosphorylation of Adenosylcobalamin-5′-Phosphate by the CobC Phosphatase Is the Last Step of the Pathway. Journal of Bacteriology, 2007, 189, 2210-2218.	1.0	50
40	Purification and Characterization of the Bifunctional CobU Enzyme of Salmonella typhimurium LT2. Journal of Biological Chemistry, 1995, 270, 23560-23569.	1.6	47
41	Biochemical and Mutational Analyses of AcuA, the Acetyltransferase Enzyme That Controls the Activity of the Acetyl Coenzyme A Synthetase (AcsA) in <i>Bacillus subtilis</i> . Journal of Bacteriology, 2008, 190, 5132-5136.	1.0	47
42	ArsAB, a novel enzyme from <i>Sporomusa ovata</i> activates phenolic bases for adenosylcobamide biosynthesis. Molecular Microbiology, 2011, 81, 952-967.	1.2	47
43	Acetoacetylâ€ <scp>CoA</scp> synthetase activity is controlled by a protein acetyltransferase with unique domain organization in <i>Streptomyces lividans</i> . Molecular Microbiology, 2013, 87, 152-167.	1.2	47
44	Three-Dimensional Structure of Adenosylcobinamide Kinase/Adenosylcobinamide Phosphate Guanylyltransferase fromSalmonella typhimuriumDetermined to 2.3 à Resolutionâ€,‡. Biochemistry, 1998, 37, 7686-7695.	1.2	46
45	In <i>Salmonella enterica</i> , the sirtuinâ€dependent protein acylation/deacylation system (SDPADS) maintains energy homeostasis during growth on low concentrations of acetate. Molecular Microbiology, 2011, 80, 168-183.	1.2	44
46	Studies of Regulation of Expression of the Propionate ( <i>prpBCDE</i> ) Operon Provide Insights into How <i>Salmonella typhimurium</i> LT2 Integrates Its 1,2-Propanediol and Propionate Catabolic Pathways. Journal of Bacteriology, 1998, 180, 6511-6518.	1.0	44
47	The Tricarballylate Utilization ( tcuRABC ) Genes of Salmonella enterica Serovar Typhimurium LT2. Journal of Bacteriology, 2004, 186, 1629-1637.	1.0	43
48	The Three-Dimensional Structures of Nicotinate Mononucleotide:5,6-Dimethylbenzimidazole Phosphoribosyltransferase (CobT) fromSalmonella typhimuriumComplexed with 5,6-Dimethybenzimidazole and Its Reaction Products Determined to 1.9 à Resolutionâ€,‡. Biochemistry, 1999, 38, 16125-16135.	1.2	42
49	prpR, ntrA, and ihf Functions Are Required for Expression of the prpBCDE Operon, Encoding Enzymes That Catabolize Propionate in Salmonella enterica Serovar Typhimurium LT2. Journal of Bacteriology, 2000, 182, 905-910.	1.0	42
50	The FAD-Dependent Tricarballylate Dehydrogenase (TcuA) Enzyme of Salmonella enterica Converts Tricarballylate into cis -Aconitate. Journal of Bacteriology, 2006, 188, 5479-5486.	1.0	40
51	A New Pathway for Salvaging the CoenzymeB 12 Precursor Cobinamide in Archaea RequiresCobinamide-Phosphate Synthase (CbiB) EnzymeActivity. Journal of Bacteriology, 2003, 185, 7193-7201.	1.0	39
52	Acetyl Coenzyme A Synthetase Is Acetylated on Multiple Lysine Residues by a Protein Acetyltransferase with a Single Gcn5-Type <i>N</i> -Acetyltransferase (GNAT) Domain in Saccharopolyspora erythraea. Journal of Bacteriology, 2014, 196, 3169-3178.	1.0	39
53	Structural Investigation of the Biosynthesis of Alternative Lower Ligands for Cobamides by Nicotinate Mononucleotide: 5,6-Dimethylbenzimidazole Phosphoribosyltransferase from Salmonella enterica. Journal of Biological Chemistry, 2001, 276, 37612-37620.	1.6	38
54	The last step in coenzyme B12 synthesis is localized to the cell membrane in bacteria and archaea. Microbiology (United Kingdom), 2004, 150, 1385-1395.	0.7	38

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55	Biochemical and Thermodynamic Analyses of Salmonella enterica Pat, a Multidomain, Multimeric <i>N</i> <sup>ε</sup> -Lysine Acetyltransferase Involved in Carbon and Energy Metabolism. MBio, 2011, 2, .	1.8	38
56	Syntheses and characterization of vitamin B12–Pt(II) conjugates and their adenosylation in an enzymatic assay. Journal of Biological Inorganic Chemistry, 2008, 13, 335-347.	1.1	37
57	Biologically Active Isoforms of CobB Sirtuin Deacetylase in <i>Salmonella enterica</i> and <i>Erwinia amylovora</i> . Journal of Bacteriology, 2010, 192, 6200-6208.	1.0	37
58	New high-cloning-efficiency vectors for complementation studies and recombinant protein overproduction in Escherichia coli and Salmonella enterica. Plasmid, 2016, 86, 1-6.	0.4	37
59	Identification of an Alternative Nucleoside Triphosphate: 5′-Deoxyadenosylcobinamide Phosphate Nucleotidyltransferase in Methanobacterium thermoautotrophicum ΔH. Journal of Bacteriology, 2000, 182, 4227-4233.	1.0	36
60	Kinetic and Spectroscopic Studies of the ATP:Corrinoid Adenosyltransferase PduO from Lactobacillus reuteri: Substrate Specificity and Insights into the Mechanism of Co(II)corrinoid Reduction. Biochemistry, 2008, 47, 9007-9015.	1.2	36
61	The eutD Gene of Salmonella enterica Encodes a Protein with Phosphotransacetylase Enzyme Activity. Journal of Bacteriology, 2004, 186, 1890-1892.	1.0	35
62	Purification and Initial Biochemical Characterization of ATP:Cob(I)alamin Adenosyltransferase (EutT) Enzyme of Salmonella enterica*. Journal of Biological Chemistry, 2006, 281, 16971-16977.	1.6	34
63	Residue Phe112 of the Human-Type Corrinoid Adenosyltransferase (PduO) Enzyme of <i>Lactobacillus reuteri</i> Is Critical to the Formation of the Four-Coordinate Co(II) Corrinoid Substrate and to the Activity of the Enzyme,. Biochemistry, 2009, 48, 3138-3145.	1.2	34
64	Multiple roles of ATP:cob(I)alamin adenosyltransferases in the conversion of B12 to coenzyme B12. Applied Microbiology and Biotechnology, 2010, 88, 41-48.	1.7	34
65	A new pathway for the synthesis of î±â€ribazoleâ€phosphate in <i>Listeria innocua</i> . Molecular Microbiology, 2010, 77, 1429-1438.	1.2	34
66	In <i>Salmonella enterica</i> , 2-Methylcitrate Blocks Gluconeogenesis. Journal of Bacteriology, 2010, 192, 771-778.	1.0	34
67	Three-Dimensional Structure of Adenosylcobinamide Kinase/Adenosylcobinamide Phosphate Guanylyltransferase (CobU) Complexed with GMP:Â Evidence for a Substrate-Induced Transferase Active Siteâ€,‡. Biochemistry, 1999, 38, 12995-13005.	1.2	33
68	Structural and Functional Analyses of the Human-Type Corrinoid Adenosyltransferase (PduO) from <i>Lactobacillus reuteri</i> <sup>,</sup> . Biochemistry, 2007, 46, 13829-13836.	1.2	33
69	Structure-Guided Expansion of the Substrate Range of Methylmalonyl Coenzyme A Synthetase (MatB) of Rhodopseudomonas palustris. Applied and Environmental Microbiology, 2012, 78, 6619-6629.	1.4	33
70	The <scp>EutQ</scp> and <scp>EutP</scp> proteins are novel acetate kinases involved in ethanolamine catabolism: physiological implications for the function of the ethanolamine metabolosome in <scp><i>S</i></scp> <i>almonella enterica</i> . Molecular Microbiology, 2016, 99, 497-511.	1.2	33
71	Dihydroflavin-driven Adenosylation of 4-Coordinate Co(II) Corrinoids. Journal of Biological Chemistry, 2010, 285, 2911-2917.	1.6	32
72	The ATP:Co(I)rrinoid Adenosyltransferase (CobA) Enzyme ofSalmonella enterica Requires the 2′-OH Group of ATP for Function and Yields Inorganic Triphosphate as Its Reaction Byproduct. Journal of Biological Chemistry, 2002, 277, 33127-33131.	1.6	31

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73	2-Methylcitrate-dependent activation of the propionate catabolic operon (prpBCDE) of Salmonella enterica by the PrpR protein. Microbiology (United Kingdom), 2004, 150, 3877-3887.	0.7	31
74	Acetate excretion during growth of Salmonella enterica on ethanolamine requires phosphotransacetylase (EutD) activity, and acetate recapture requires acetyl-CoA synthetase (Acs) and phosphotransacetylase (Pta) activities. Microbiology (United Kingdom), 2005, 151, 3793-3801.	0.7	30
75	A Toxin Involved in <i>Salmonella</i> Persistence Regulates Its Activity by Acetylating Its Cognate Antitoxin, a Modification Reversed by CobB Sirtuin Deacetylase. MBio, 2017, 8, .	1.8	30
76	Biochemistry and Molecular Genetics of Cobalamin Biosynthesis1. Progress in Molecular Biology and Translational Science, 1997, 56, 347-384.	1.9	29
77	The acnD Genes of Shewenella oneidensis and Vibrio cholerae Encode a New Fe/S-Dependent 2-Methylcitrate Dehydratase Enzyme That Requires prpF Function In Vivo. Journal of Bacteriology, 2004, 186, 454-462.	1.0	29
78	The CbiB Protein of <i>Salmonella enterica</i> Is an Integral Membrane Protein Involved in the Last Step of the De Novo Corrin Ring Biosynthetic Pathway. Journal of Bacteriology, 2007, 189, 7697-7708.	1.0	29
79	<i>Salmonella enterica</i> Requires ApbC Function for Growth on Tricarballylate: Evidence of Functional Redundancy between ApbC and IscU. Journal of Bacteriology, 2008, 190, 4596-4602.	1.0	29
80	Structural Insights into the Mechanism of Four-Coordinate Cob(II)alamin Formation in the Active Site of the <i>Salmonella enterica</i> ATP:Co(I)rrinoid Adenosyltransferase Enzyme: Critical Role of Residues Phe91 and Trp93. Biochemistry, 2012, 51, 9647-9657.	1.2	29
81	Three-Dimensional Structure of the l-Threonine-O-3-phosphate Decarboxylase (CobD) Enzyme from Salmonella enterica,. Biochemistry, 2002, 41, 4798-4808.	1.2	28
82	ABC Transporter for Corrinoids in Halobacterium sp. Strain NRC-1. Journal of Bacteriology, 2005, 187, 5901-5909.	1.0	28
83	Formation of the Dimethylbenzimidazole Ligand of Coenzyme B12under Physiological Conditions by a Facile Oxidative Cascade. Organic Letters, 2003, 5, 2211-2213.	2.4	27
84	Computer-assisted Docking of Flavodoxin with the ATP:Co(I)rrinoid Adenosyltransferase (CobA) Enzyme Reveals Residues Critical for Protein-Protein Interactions but Not for Catalysis. Journal of Biological Chemistry, 2005, 280, 40948-40956.	1.6	27
85	The genome of <i>Rhodobacter sphaeroides</i> strain 2.4.1 encodes functional cobinamide salvaging systems of archaeal and bacterial origins. Molecular Microbiology, 2008, 70, 824-836.	1.2	27
86	Small-Molecule Acetylation by GCN5-Related <i>N</i> -Acetyltransferases in Bacteria. Microbiology and Molecular Biology Reviews, 2020, 84, .	2.9	27
87	Analysis of the Adenosylcobinamide Kinase/Adenosylcobinamide-phosphate Guanylyltransferase (CobU) Enzyme of Salmonella typhimurium LT2. Journal of Biological Chemistry, 2000, 275, 27576-27586.	1.6	26
88	In Vivo Analysis of Cobinamide Salvaging in <i>Rhodobacter sphaeroides</i> Strain 2.4.1. Journal of Bacteriology, 2009, 191, 3842-3851.	1.0	26
89	Structural Studies of thel-Threonine-O-3-phosphate Decarboxylase (CobD) Enzyme fromSalmonella enterica: The Apo, Substrate, and Productâ ''Aldimine Complexesâ€,‡. Biochemistry, 2002, 41, 9079-9089.	1.2	25
90	Pentaerythritol propoxylate: a new crystallization agent and cryoprotectant induces crystal growth of 2-methylcitrate dehydratase. Acta Crystallographica Section D: Biological Crystallography, 2002, 58, 306-309.	2.5	25

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91	α-5,6-Dimethylbenzimidazole adenine dinucleotide (α-DAD), a putative new intermediate of coenzyme B12 biosynthesis in Salmonella typhimurium. Microbiology (United Kingdom), 2003, 149, 983-990.	0.7	25
92	In Salmonella enterica, the Gcn5-Related Acetyltransferase MddA (Formerly YncA) Acetylates Methionine Sulfoximine and Methionine Sulfone, Blocking Their Toxic Effects. Journal of Bacteriology, 2015, 197, 314-325.	1.0	23
93	The cbiS Gene of the Archaeon Methanopyrus kandleri AV19 Encodes a Bifunctional Enzyme with Adenosylcobinamide Amidohydrolase and α-Ribazole-Phosphate Phosphatase Activities. Journal of Bacteriology, 2006, 188, 4227-4235.	1.0	22
94	The Coenzyme B12 Analog 5′-Deoxyadenosylcobinamide-GDP Supports Catalysis by Methylmalonyl-CoA Mutase in the Absence of Trans-ligand Coordination. Journal of Biological Chemistry, 2001, 276, 1015-1019.	1.6	21
95	Capture of a Labile Substrate by Expulsion of Water Molecules from the Active Site of Nicotinate Mononucleotide:5,6-Dimethylbenzimidazole Phosphoribosyltransferase (CobT) from Salmonella enterica. Journal of Biological Chemistry, 2002, 277, 41120-41127.	1.6	21
96	The three-dimensional crystal structure of the PrpF protein ofShewanella oneidensiscomplexed withtrans-aconitate: Insights into its biological function. Protein Science, 2007, 16, 1274-1284.	3.1	21
97	Structure of Sir2Tm bound to a propionylated peptide. Protein Science, 2011, 20, 131-139.	3.1	21
98	The missing link in coenzyme A biosynthesis: PanM (formerly YhhK), a yeast GCN5 acetyltransferase homologue triggers aspartate decarboxylase (PanD) maturation in <i>Salmonella enterica</i> . Molecular Microbiology, 2012, 84, 608-619.	1.2	21
99	The Acetylation Motif in AMP-Forming Acyl Coenzyme A Synthetases Contains Residues Critical for Acetylation and Recognition by the Protein Acetyltransferase Pat of Rhodopseudomonas palustris. Journal of Bacteriology, 2014, 196, 1496-1504.	1.0	21
100	The <i>SMUL_1544</i> Gene Product Governs Norcobamide Biosynthesis in the Tetrachloroethene-Respiring Bacterium Sulfurospirillum multivorans. Journal of Bacteriology, 2016, 198, 2236-2243.	1.0	20
101	Bacillus megaterium Has Both a Functional BluB Protein Required for DMB Synthesis and a Related Flavoprotein That Forms a Stable Radical Species. PLoS ONE, 2013, 8, e55708.	1.1	20
102	Tricarballylate Catabolism in <i>Salmonella enterica</i> . The TcuB Protein Uses 4Fe-4S Clusters and Heme to Transfer Electrons from FADH <sub>2</sub> in the Tricarballylate Dehydrogenase (TcuA) Enzyme to Electron Acceptors in the Cell Membrane. Biochemistry, 2007, 46, 9107-9115.	1.2	19
103	Deciphering the Regulatory Circuitry That Controls Reversible Lysine Acetylation in Salmonella enterica. MBio, 2015, 6, e00891.	1.8	19
104	Mutation of Phosphotransacetylase but Not Isocitrate Lyase Reduces the Virulence of Salmonella enterica Serovar Typhimurium in Mice. Infection and Immunity, 2006, 74, 2498-2502.	1.0	18
105	Biosynthesis and Use of Cobalamin (B <sub>12</sub> ). EcoSal Plus, 2008, 3, .	2.1	18
106	The EutT Enzyme of Salmonella enterica Is a Unique ATP:Cob(I)alamin Adenosyltransferase Metalloprotein That Requires Ferrous Ions for Maximal Activity. Journal of Bacteriology, 2014, 196, 903-910.	1.0	18
107	Functional Analysis of the Nicotinate Mononucleotide:5,6-Dimethylbenzimidazole Phosphoribosyltransferase (CobT) Enzyme, Involved in the Late Steps of Coenzyme B <sub>12</sub> Biosynthesis in <i>Salmonella enterica</i> . Journal of Bacteriology, 2010, 192, 145-154.	1.0	17
108	N ε-Lysine Acetylation Control Conserved in All Three Life Domains. Microbe Magazine, 2010, 5, 340-344.	0.4	17

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109	Dissecting cobamide diversity through structural and functional analyses of the base-activating CobT enzyme of Salmonella enterica. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 464-475.	1.1	16
110	In Bacillus subtilis, the SatA (Formerly YyaR) Acetyltransferase Detoxifies Streptothricin via Lysine Acetylation. Applied and Environmental Microbiology, 2017, 83, .	1.4	16
111	The cobZ Gene of Methanosarcina mazei GoÌ^1 Encodes the Nonorthologous Replacement of the α-Ribazole-5â€2-Phosphate Phosphatase (CobC) Enzyme of Salmonella enterica. Journal of Bacteriology, 2006, 188, 2740-2743.	1.0	15
112	In Vivo and in Vitro Analyses of Single-amino Acid Variants of the Salmonella enterica Phosphotransacetylase Enzyme Provide Insights into the Function of Its N-terminal Domain. Journal of Biological Chemistry, 2007, 282, 12629-12640.	1.6	15
113	Insights into the Specificity of Lysine Acetyltransferases. Journal of Biological Chemistry, 2014, 289, 36249-36262.	1.6	15
114	Modulation of the bacterial CobB sirtuin deacylase activity by N-terminal acetylation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15895-15901.	3.3	15
115	Studies of the CobA-Type ATP:Co(I)rrinoid Adenosyltransferase Enzyme of Methanosarcina mazei Strain Gol^1. Journal of Bacteriology, 2006, 188, 3543-3550.	1.0	14
116	Structural Insights into the Function of the Nicotinate Mononucleotide:phenol/ <i>p</i> -cresol Phosphoribosyltransferase (ArsAB) Enzyme from <i>Sporomusa ovata</i> . Biochemistry, 2012, 51, 8571-8582.	1.2	14
117	In <i>Streptomyces lividans</i> , acetyl oA synthetase activity is controlled by <i>Oâ€</i> serine and <i>N<sup>É</sup>â€</i> lysine acetylation. Molecular Microbiology, 2018, 107, 577-594.	1.2	14
118	<i>Staphylococcus aureus</i> modulates the activity of acetyl oenzyme A synthetase (Acs) by sirtuinâ€dependent reversible lysine acetylation. Molecular Microbiology, 2019, 112, 588-604.	1.2	14
119	Bacterial contamination as a cause of spurious cyanide tests. Phytochemistry, 1982, 21, 2111-2112.	1.4	13
120	Spectroscopic Studies of the <i>Salmonella enterica</i> Adenosyltransferase Enzyme <i>Se</i> CobA: Molecular-Level Insight into the Mechanism of Substrate Cob(II)alamin Activation. Biochemistry, 2014, 53, 7969-7982.	1.2	13
121	Unprecedented Mechanism Employed by the <i>Salmonella enterica</i> EutT ATP:Co <sup>I</sup> rrinoid Adenosyltransferase Precludes Adenosylation of Incomplete Co <sup>II</sup> rrinoids. Angewandte Chemie - International Edition, 2015, 54, 7158-7161.	7.2	13
122	<i>Salmonella enterica</i> synthesizes 5,6â€dimethylbenzimidazolylâ€(DMB)â€Î±â€riboside. Why some Firmicute do not require the canonical DMB activation system to synthesize adenosylcobalamin. Molecular Microbiology, 2017, 103, 269-281.	2S 1.2	13
123	Structural Insights into the Substrate Specificity of the Rhodopseudomonas palustris Protein Acetyltransferase RpPat. Journal of Biological Chemistry, 2012, 287, 41392-41404.	1.6	12
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