Martin J Warren

List of Publications by Year in descending order

172 papers	10,325 citations	31976 53 h-index	42399 92 g-index
176 all docs	176 docs citations	176 times ranked	7825 citing authors

#	Article	IF	Citations
1	Algae acquire vitamin B12 through a symbiotic relationship with bacteria. Nature, 2005, 438, 90-93.	27.8	1,258
2	The biosynthesis of adenosylcobalamin (vitamin B12). Natural Product Reports, 2002, 19, 390-412.	10.3	409
3	Algae Need Their Vitamins. Eukaryotic Cell, 2006, 5, 1175-1183.	3.4	385
4	From n-gram to skipgram to concgram. International Journal of Corpus Linguistics, 2006, 11, 411-433.	1.4	244
5	Prokaryotic Heme Biosynthesis: Multiple Pathways to a Common Essential Product. Microbiology and Molecular Biology Reviews, 2017, 81, .	6.6	236
6	Structure of porphobilinogen deaminase reveals a flexible multidomain polymerase with a single catalytic site. Nature, 1992, 359, 33-39.	27.8	213
7	Synthesis of Empty Bacterial Microcompartments, Directed Organelle Protein Incorporation, and Evidence of Filament-Associated Organelle Movement. Molecular Cell, 2010, 38, 305-315.	9.7	200
8	Solution Structure of a Bacterial Microcompartment Targeting Peptide and Its Application in the Construction of an Ethanol Bioreactor. ACS Synthetic Biology, 2014, 3, 454-465.	3.8	175
9	Biosynthesis of the modified tetrapyrrolesâ€”the pigments of life. Journal of Biological Chemistry, 2020, 295, 6888-6925.	3.4	170
10	GCAP1(Y99C) Mutant Is Constitutively Active in Autosomal Dominant Cone Dystrophy. Molecular Cell, 1998, 2, 129-133.	9.7	150
11	Having second thoughts: Student perceptions before and after a peer assessment exercise. Studies in Higher Education, 1997, 22, 233-239.	4.5	149
12	Lead poisoning, haem synthesis and 5-aminolaevulinic acid dehydratase. Trends in Biochemical Sciences, 1998, 23, 217-221.	7.5	141
13	Evidence for a dipyrromethane cofactor at the catalytic site ofE. coliporphobilinogen deaminase. FEBS Letters, 1987, 225, 87-92.	2.8	136
14	X-ray structure of 5-aminolaevulinate dehydratase, a hybrid aldolase. Nature Structural Biology, 1997, 4, 1025-1031.	9.7	135
15	Biochemical and Structural Insights into Bacterial Organelle Form and Biogenesis. Journal of Biological Chemistry, 2008, 283, 14366-14375.	3.4	133
16	Lactobacillus reuteri DSM 20016 Produces Cobalamin-Dependent Diol Dehydratase in Metabolosomes and Metabolizes 1,2-Propanediol by Disproportionation. Journal of Bacteriology, 2008, 190, 4559-4567.	2.2	131
17	Uncovering the Extent of the Phraseological Tendency: Towards a Systematic Analysis of Concgrams. Applied Linguistics, 2009, 30, 236-252.	2.4	128
18	Engineered synthetic scaffolds for organizing proteins within the bacterial cytoplasm. Nature Chemical Biology, 2018, 14, 142-147.	8.0	128

#	Article	IF	Citations
19	Peer assessment of language proficiency. Language Testing, 2005, 22, 93-121.	3.2	126
20	Molecular hijacking of siroheme for the synthesis of heme and d ₁ heme. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18260-18265.	7.1	121
21	Identification and Functional Consequences of a New Mutation (E155G) in the Gene for GCAP1 That Causes Autosomal Dominant Cone Dystrophy. American Journal of Human Genetics, 2001, 69, 471-480.	6.2	115
22	Bacterial sensors define intracellular free energies for correct enzyme metalation. Nature Chemical Biology, 2019, 15, 241-249.	8.0	112
23	The dimeric form of flavocytochrome P450 BM3 is catalytically functional as a fatty acid hydroxylase. FEBS Letters, 2005, 579, 5582-5588.	2.8	107
24	Common Chelatase Design in the Branched Tetrapyrrole Pathways of Heme and Anaerobic Cobalamin Synthesisâ€. Biochemistry, 1999, 38, 10660-10669.	2.5	105
25	Vitamin B12. Advances in Food and Nutrition Research, 2018, 83, 215-279.	3.0	105
26	Elucidation of the biosynthesis of the methane catalyst coenzyme F430. Nature, 2017, 543, 78-82.	27.8	104
27	X-ray Structure of 5-Aminolevulinic Acid Dehydratase fromEscherichia coliComplexed with the Inhibitor Levulinic Acid at 2.0 Ã... Resolutionâ€. Biochemistry, 1999, 38, 4266-4276.	2.5	96
28	The Enigma of Cobalamin (Vitamin B12) Biosynthesis inPorphyromonas gingivalis. Journal of Biological Chemistry, 2000, 275, 40316-40323.	3.4	95
29	A Story of Chelatase Evolution. Journal of Biological Chemistry, 2003, 278, 22388-22395.	3.4	93
30	Identification and functional analysis of enzymes required for precorrin-2 dehydrogenation and metal ion insertion in the biosynthesis of sirohaem and cobalamin in Bacillus megaterium. Biochemical Journal, 2003, 370, 505-516.	3.7	93
31	Bacterial microcompartments moving into a synthetic biological world. Journal of Biotechnology, 2013, 163, 273-279.	3.8	92
32	Cobalamin (vitamin B12) biosynthesis: identification and characterization of a Bacillus megaterium cobI operon. Biochemical Journal, 1998, 335, 159-166.	3.7	88
33	Elucidation of the anaerobic pathway for the corrin component of cobalamin (vitamin B) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 2013, 110, 14906-14911.	7.1	88
34	Investigation into the nature of substrate binding to the dipyrromethane cofactor of Escherichia coli porphobilinogen deaminase. Biochemistry, 1988, 27, 9020-9030.	2.5	82
35	Structure of a trimeric bacterial microcompartment shell protein, EtuB, associated with ethanol utilization inClostridium kluyveri. Biochemical Journal, 2009, 423, 199-207.	3.7	80
36	CysG structure reveals tetrapyrrole-binding features and novel regulation of siroheme biosynthesis. Nature Structural and Molecular Biology, 2003, 10, 1064-1073.	8.2	78

#	Article	IF	Citations
37	The threeâ€dimensional structures of mutants of porphobilinogen deaminase: Toward an understanding of the structural basis of acute intermittent porphyria. Protein Science, 1994, 3, 1644-1650.	7.6	77
38	Structural Insights into Higher Order Assembly and Function of the Bacterial Microcompartment Protein PduA. Journal of Biological Chemistry, 2014, 289, 22377-22384.	3.4	77
39	Metabolic engineering of cobalamin (vitamin B₁₂) production in Bacillus megaterium. Microbial Biotechnology, 2010, 3, 24-37.	4.2	75
40	The anaerobic biosynthesis of vitamin B12. Biochemical Society Transactions, 2012, 40, 581-586.	3.4	75
41	Employing bacterial microcompartment technology to engineer a shell-free enzyme-aggregate for enhanced 1,2-propanediol production in Escherichia coli. Metabolic Engineering, 2016, 36, 48-56.	7.0	74
42	Peer and Teacher Assessment of the Oral and Written Tasks of a Group Project. Assessment and Evaluation in Higher Education, 1999, 24, 301-314.	5.6	73
43	The Substrate Radical of Escherichia coli Oxygen-independent Coproporphyrinogen III Oxidase HemN. Journal of Biological Chemistry, 2006, 281, 15727-15734.	3.4	73
44	Enzymatic synthesis of dihydrosirohydrochlorin (precorrin-2) and of a novel pyrrocorphin by uroporphyrinogen III methylase. FEBS Letters, 1990, 261, 76-80.	2.8	72
45	<scp>S</scp>taphylococcus aureus haem biosynthesis: characterisation of the enzymes involved in final steps of the pathway. Molecular Microbiology, 2015, 97, 472-487.	2.5	66
46	The structure of Saccharomyces cerevisiae Met8p, a bifunctional dehydrogenase and ferrochelatase. EMBO Journal, 2002, 21, 2068-2075.	7.8	63
47	Evolution of enzymes and pathways for the biosynthesis of cofactors. Natural Product Reports, 2007, 24, 972.	10.3	62
48	Structure of PduT, a trimeric bacterial microcompartment protein with a 4Feâ€“4S cluster-binding site. Acta Crystallographica Section D: Biological Crystallography, 2011, 67, 91-96.	2.5	62
49	An enzyme-trap approach allows isolation of intermediates in cobalamin biosynthesis. Nature Chemical Biology, 2012, 8, 933-940.	8.0	62
50	The language learner as language researcher: putting corpus linguistics on the timetable. System, 2003, 31, 173-186.	3.4	61
51	The X-ray structure of a cobalamin biosynthetic enzyme, cobalt-precorrin-4 methyltransferase. Nature Structural Biology, 1998, 5, 585-592.	9.7	60
52	Structure/Function Studies on a S-Adenosyl-l-methionine-dependent Uroporphyrinogen III C Methyltransferase (SUMT), a Key Regulatory Enzyme of Tetrapyrrole Biosynthesis. Journal of Molecular Biology, 2004, 344, 419-433.	4.2	56
53	A Novel Pathway for the Biosynthesis of Heme inArchaea: Genome-Based Bioinformatic Predictions and Experimental Evidence. Archaea, 2010, 2010, 1-15.	2.3	56
54	Enzymic synthesis and structure of precorrin-3, a trimethyldipyrrocorphin intermediate in vitamin B12 biosynthesis. Biochemistry, 1992, 31, 603-609.	2.5	55

#	Article	IF	Citations
55	Recent advances in the biosynthesis of modified tetrapyrroles: the discovery of an alternative pathway for the formation of heme and heme d 1. Cellular and Molecular Life Sciences, 2014, 71, 2837-2863.	5.4	54
56	A short story about a big magic bug. Bioengineered Bugs, 2010, 1, 85-91.	1.7	53
57	Bacterial microcompartmentâ€directed polyphosphate kinase promotes stable polyphosphate accumulation in E. coli. Biotechnology Journal, 2017, 12, 1600415.	3.5	53
58	Expression of 9Salmonella typhimuriumenzymes for cobinamide synthesis Identification of the 11-methyl and 20-methyl transferases of corrin biosynthesis. FEBS Letters, 1992, 301, 73-78.	2.8	52
59	Siroheme Biosynthesis in Higher Plants. Journal of Biological Chemistry, 1997, 272, 2744-2752.	3.4	52
60	Identification and Characterization of a Novel Vitamin B12 (Cobalamin) Biosynthetic Enzyme (CobZ) from Rhodobacter capsulatus, Containing Flavin, Heme, and Fe-S Cofactors. Journal of Biological Chemistry, 2005, 280, 1086-1094.	3.4	52
61	The schiff base complex of yeast 5â€aminolaevulinic acid dehydratase with laevulinic acid. Protein Science, 1999, 8, 1250-1256.	7.6	51
62	Characterization of the Cobaltochelatase CbiXL. Journal of Biological Chemistry, 2003, 278, 41900-41907.	3.4	49
63	Identification of a cysteine residue as the binding site for the dipyrromethane cofactor at the active site of Escherichia coli porphobilinogen deaminase. FEBS Letters, 1988, 235, 189-193.	2.8	46
64	Isolation and characterization of 14 additional genes specifying the anaerobic biosynthesis of cobalamin (vitamin B12) in Propionibacterium freudenreichii (P. shermanii) The GenBank accession numbers for the sequences reported in this paper are AY033235, AY033236, U13043 and U51164.. Microbiology (United Kingdom), 2002, 148, 1845-1853.	1.8	46
65	Evolution in a family of chelatases facilitated by the introduction of active site asymmetry and protein oligomerization. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 97-102.	7.1	43
66	A Generic Selfâ€Assembly Process in Microcompartments and Synthetic Protein Nanotubes. Small, 2018, 14, e1704020.	10.0	43
67	Biotechnological Advances in Bacterial Microcompartment Technology. Trends in Biotechnology, 2019, 37, 325-336.	9.3	43
68	Vitamin B12: Insights into Biosynthesis's Mount Improbable. Bioorganic Chemistry, 1999, 27, 100-118.	4.1	42
69	Identification and Characterization of the Terminal Enzyme of Siroheme Biosynthesis from Arabidopsis thaliana. Journal of Biological Chemistry, 2005, 280, 4713-4721.	3.4	42
70	Roles of vitamins B5, B8, B9, B12 and molybdenum cofactor at cellular and organismal levels. Natural Product Reports, 2007, 24, 949.	10.3	42
71	Total Synthesis, Structure, and Biological Activity of Adenosylrhodibalamin, the Nonâ€Natural Rhodium Homologue of Coenzyme B₁₂. Angewandte Chemie - International Edition, 2016, 55, 11281-11286.	13.8	42
72	Construction of Recombinant Pdu Metabolosome Shells for Small Molecule Production in Corynebacterium glutamicum. ACS Synthetic Biology, 2017, 6, 2145-2156.	3.8	41

#	Article	IF	Citations
73	The three-dimensional structure ofEscherichia coliporphobilinogen deaminase at 1.76-Ã... resolution. , 1996, 25, 48-78.		40
74	d₁â€ƒhaem biogenesis â€“ assessing the roles of three nir gene products. FEBS Journal, 2009, 276, 6399-6411.	4.7	40
75	Recombinant Expression, Purification, and Characterization of Three Isoenzymes of Aspartate Aminotransferase fromArabidopsis thaliana. Protein Expression and Purification, 1998, 12, 381-389.	1.3	39
76	Characterization of retinaldehyde dehydrogenase 3. Biochemical Journal, 2006, 394, 67-75.	3.7	39
77	De novo targeting to the cytoplasmic and luminal side of bacterial microcompartments. Nature Communications, 2018, 9, 3413.	12.8	39
78	King George III and porphyria: an elemental hypothesis and investigation. Lancet, The, 2005, 366, 332-335.	13.7	38
79	Interactions of RadB, a DNA Repair Protein in Archaea, with DNA and ATP. Journal of Molecular Biology, 2006, 358, 46-56.	4.2	38
80	Metal and cofactor insertion. Natural Product Reports, 2007, 24, 963.	10.3	38
81	The AAA+ motor complex of subunits CobS and CobT of cobaltochelatase visualized by single particle electron microscopy. Journal of Structural Biology, 2009, 167, 227-234.	2.8	38
82	Towards a cell factory for vitamin B12 production in Bacillus megaterium: bypassing of the cobalamin riboswitch control elements. New Biotechnology, 2014, 31, 553-561.	4.4	38
83	Cobalamin (vitamin B12) biosynthesis: functional characterization of the Bacillus megaterium cbi genes required to convert uroporphyrinogen III into cobyrinic acid a,c-diamide. Biochemical Journal, 1998, 335, 167-173.	3.7	37
84	Functional characterization of the early steps of tetrapyrrole biosynthesis and modification in Desulfovibrio vulgaris Hildenborough. Biochemical Journal, 2009, 420, 317-326.	3.7	37
85	Characterization of Cupriavidusâ€ƒmetallidurans CYP116B1 â€“ A thiocarbamate herbicide oxygenating P450â€“phthalate dioxygenase reductase fusion protein. FEBS Journal, 2012, 279, 1675-1693.	4.7	37
86	Ironâ€“sulfur proteins as initiators of radical chemistry. Natural Product Reports, 2007, 24, 1027.	10.3	36
87	Characterisation of PduS, the pdu Metabolosome Corrin Reductase, and Evidence of Substructural Organisation within the Bacterial Microcompartment. PLoS ONE, 2010, 5, e14009.	2.5	36
88	Timing and mechanistic implications of regiospecific carbonyl oxygen isotope exchange during vitamin B12 biosynthesis. Journal of the American Chemical Society, 1991, 113, 9891-9893.	13.7	35
89	Indirectness, inexplicitness and vagueness made clearer. Pragmatics, 2003, 13, 381-400.	1.0	35
90	Isolation, characterisation and expression of a cDNA clone encoding plastid aspartate aminotransferase from Arabidopsis thaliana. Plant Molecular Biology, 1995, 27, 1227-1233.	3.9	34

#	Article	IF	Citations
91	Enzyme Sequence and Its Relationship to Hyperbaric Stability of Artificial and Natural Fish Lactate Dehydrogenases. PLoS ONE, 2008, 3, e2042.	2.5	34
92	Characterization of the Rhodobacter sphaeroides 5-aminolaevulinic acid synthase isoenzymes, HemA and HemT, isolated from recombinant Escherichia coli. FEBS Journal, 1999, 265, 290-299.	0.2	33
93	The Pseudomonasâ€ƒaeruginosa nirE gene encodes the Sâ€ƒadenosylâ€‹<scp>L</scp>â€methionineâ€dependent uroporphyrinogen III methyltransferase required for heme d₁ biosynthesis. FEBS Journal, 2009, 276, 5973-5982.	4.7	33
94	The use of vague language in intercultural conversations in Hong Kong. English World-wide, 2001, 22, 81-104.	0.5	32
95	â€œJust spoke to â€¦â€ The types and directionality of intertextuality in professional discourse. English for Specific Purposes, 2013, 32, 12-24.	2.8	32
96	Calculating metalation in cells reveals CobW acquires CoII for vitamin B12 biosynthesis while related proteins prefer ZnII. Nature Communications, 2021, 12, 1195.	12.8	32
97	Effect of bio-engineering on size, shape, composition and rigidity of bacterial microcompartments. Scientific Reports, 2016, 6, 36899.	3.3	31
98	Discovery that the assembly of the dipyrromethane cofactor of porphobilinogen deaminase holoenzyme proceeds initially by the reaction of preuroporphyrinogen with the apoenzyme. Biochemical Journal, 1996, 316, 373-376.	3.7	30
99	Crystal Structure of the Vitamin B12 Biosynthetic Cobaltochelatase, CbiXS, from Archaeoglobus Fulgidus. Journal of Structural and Functional Genomics, 2006, 7, 37-50.	1.2	30
100	Construction of Fluorescent Analogs to Follow the Uptake and Distribution of Cobalamin (Vitamin) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	5.2	30
101	The Hydrogenobyric Acid Structure Reveals the Corrin Ligand as an Entatic State Module Empowering B₁₂ Cofactors for Catalysis. Angewandte Chemie - International Edition, 2019, 58, 10756-10760.	13.8	30
102	X-ray structure of a putative reaction intermediate of 5-aminolaevulinic acid dehydratase. Biochemical Journal, 2003, 373, 733-738.	3.7	29
103	Identification, Characterization, and Structure/Function Analysis of a Corrin Reductase Involved in Adenosylcobalamin Biosynthesis. Journal of Biological Chemistry, 2008, 283, 10813-10821.	3.4	29
104	Chloroplastic aspartate aminotransferase from Arabidopsis thaliana: an examination of the relationship between the structure of the gene and the spatial structure of the protein. Biochemical Journal, 1996, 319, 969-976.	3.7	28
105	NirJ, a radical SAM family member of the d₁ heme biogenesis cluster. FEBS Letters, 2010, 584, 2461-2466.	2.8	27
106	Elucidation of Substrate Specificity in the Cobalamin (Vitamin B12) Biosynthetic Methyltransferases. Journal of Biological Chemistry, 2007, 282, 23957-23969.	3.4	26
107	Zinc Substitution of Cobalt in Vitaminâ€…B12: Zincobyric acid and Zincobalamin as Luminescent Structural B12â€Mimics. Angewandte Chemie - International Edition, 2019, 58, 14568-14572.	13.8	25
108	Evidence for conformational changes in Escherichia coli porphobilinogen deaminase during stepwise pyrrole chain elongation monitored by increased reactivity of cysteine-134 to alkylation by N-ethylmaleimide. Biochemistry, 1995, 34, 11288-11295.	2.5	24

#	Article	IF	Citations
109	Two Distinct Roles for Two Functional Cobaltochelatases (CbiK) in Desulfovibrio vulgaris Hildenborough. Biochemistry, 2008, 47, 5851-5857.	2.5	23
110	Characterisation of Desulfovibrio vulgaris haem b synthase, a radical SAM family member. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 1238-1247.	2.3	23
111	â€˜She kows more about Hong Kong than you do isn't itâ€™: tags in Hong Kong conversational English. Journal of Pragmatics, 2001, 33, 1419-1439.	1.5	22
112	Uroporphyrinogen III methylase catalyzes the enzymic synthesis of sirohydrochlorins II and IV by a clockwise mechanism. Journal of the American Chemical Society, 1990, 112, 5343-5345.	13.7	21
113	Crystallization and preliminary X-ray investigation of Escherichia coli porphobilinogen deaminase. Journal of Molecular Biology, 1992, 224, 269-271.	4.2	21
114	The role of Saccharomyces cerevisiae Met1p and Met8p in sirohaem and cobalamin biosynthesis. Biochemical Journal, 1999, 338, 701.	3.7	21
115	Bacterial Microcompartment-Mediated Ethanolamine Metabolism in Escherichia coli Urinary Tract Infection. Infection and Immunity, 2019, 87, .	2.2	21
116	Observation of enzyme bound intermediates in the biosynthesis of preuroporphyrinogen by PBG deaminase. Bioorganic and Medicinal Chemistry Letters, 1991, 1, 503-506.	2.2	20
117	Reconstitution of the Holoenzyme Form of Escherichia coli Porphobilinogen Deaminase from Apoenzyme with Porphobilinogen and Preuroporphyrinogen:â€‰ A Study Using Circular Dichroism Spectroscopy. Biochemistry, 1997, 36, 9273-9282.	2.5	20
118	Identification and characterization of the â€˜missingâ€™ terminal enzyme for siroheme biosynthesis in Î±â€proteobacteria. Molecular Microbiology, 2014, 92, 153-163.	2.5	20
119	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.	2.5	20
120	Structure and function of SirC from Bacillus megaterium: a metal-binding precorrin-2 dehydrogenase. Biochemical Journal, 2008, 415, 257-263.	3.7	19
121	Characterization of the evolutionarily conserved ironâ€“sulfur cluster of sirohydrochlorin ferrochelatase from Arabidopsis thaliana. Biochemical Journal, 2012, 444, 227-237.	3.7	19
122	Characterization of the Enzyme CbiH60 Involved in Anaerobic Ring Contraction of the Cobalamin (Vitamin B12) Biosynthetic Pathway. Journal of Biological Chemistry, 2013, 288, 297-305.	3.4	19
123	A study of the nuclear trafficking of the splicing factor protein PRPF31 linked to autosomal dominant retinitis pigmentosa (ADRP). Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2006, 1762, 304-311.	3.8	18
124	Finding the final pieces of the vitamin B12 biosynthetic jigsaw. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 4799-4800.	7.1	18
125	Concgramming: A computer driven approach to learning the phraseology of English. ReCALL, 2007, 19, 287-306.	5.2	18
126	Biosynthesis and Use of Cobalamin (B ₁₂). EcoSal Plus, 2008, 3, .	5.4	18

#	Article	IF	Citations
127	Staphylococcus aureus haem biosynthesis and acquisition pathways are linked through haem monooxygenase IsdG. Molecular Microbiology, 2018, 109, 385-400.	2.5	18
128	Replacement of the Cobalt Center of Vitamin B₁₂ by Nickel: Nibalamin and Nibyric Acid Prepared from Metalâ€Free B₁₂â€...Ligands Hydrogenobalamin and Hydrogenobyric Acid. Angewandte Chemie - International Edition, 2020, 59, 20129-20136.	13.8	18
129	5-Amino-6-hydroxy 3,4,5,6-tetrahydropyran-2-one (HAT): A stable, cyclic form of glutamate 1-semialdehyde, the natural precursor for tetrapyrroles. Tetrahedron Letters, 1993, 34, 1177-1180.	1.4	17
130	What can a corpus tell us about multi-word units?. , 2010, , 212-226.		17
131	Development of an â€˜overmethylationâ€™ strategy for corrin synthesis. Multi-enzyme preparation of pyrrocorphins. Journal of the Chemical Society Chemical Communications, 1990, , 593-597.	2.0	16
132	The maddening business of King George III and porphyria. Trends in Biochemical Sciences, 1996, 21, 229-234.	7.5	16
133	Demonstration That CobG, the Monooxygenase Associated with the Ring Contraction Process of the Aerobic Cobalamin (Vitamin B12) Biosynthetic Pathway, Contains an Fe-S Center and a Mononuclear Non-heme Iron Center. Journal of Biological Chemistry, 2009, 284, 4796-4805.	3.4	16
134	NirF is a periplasmic protein that binds d₁ heme as part of its essential role in d₁ heme biogenesis. FEBS Journal, 2010, 277, 4944-4955.	4.7	16
135	What can a corpus tell us about multi-word units?. , 0, , .		16
136	Biotin Synthase Mechanism:Â Mutagenesis of the YNHNLD Conserved Motifâ€¡. Biochemistry, 2006, 45, 12274-12281.	2.5	15
137	Checking Understandings: Comparing Textbooks and a Corpus of Spoken English in Hong Kong. Language Awareness, 2007, 16, 190-207.	1.3	15
138	Bacterial ferrochelatase turns human: Tyr13 determines the apparent metal specificity of Bacillus subtilis ferrochelatase. Journal of Biological Inorganic Chemistry, 2011, 16, 235-242.	2.6	14
139	The structure, function and properties of sirohaem decarboxylase â€“ an enzyme with structural homology to a transcription factor family that is part of the alternative haem biosynthesis pathway. Molecular Microbiology, 2014, 93, 247-261.	2.5	14
140	Effect of metabolosome encapsulation peptides on enzyme activity, coaggregation, incorporation, and bacterial microcompartment formation. MicrobiologyOpen, 2020, 9, e1010.	3.0	14
141	Exploring the onset of <scp>B₁₂</scp>â€based mutualisms using a recently evolved <scp>Chlamydomonas</scp> auxotroph and <scp>B₁₂</scp>â€producing bacteria. Environmental Microbiology, 2022, 24, 3134-3147.	3.8	14
142	Further evidence for the involvement of a dipyrromethane cofactor at the active site of porphobilinogen deaminase. Biochemical Society Transactions, 1988, 16, 963-965.	3.4	13
143	Signalling intertextuality in business emails. English for Specific Purposes, 2016, 42, 26-37.	2.8	13
144	Evidence for a covalent intermediate in the S-adenosyl-<scp>l</scp>-methionine-dependent transmethylation reaction catalysed by sirohaem synthase. Biochemical Journal, 1996, 313, 415-421.	3.7	12

#	Article	IF	Citations
145	The Functions of Actually in a Corpus of Intercultural Conversations. International Journal of Corpus Linguistics, 2001, 6, 257-280.	1.4	12
146	Sulfate-Reducing Bacteria Reveal a New Branch of Tetrapyrrole Metabolism. Advances in Microbial Physiology, 2012, 61, 267-295.	2.4	12
147	Red Fluorescence of European Hedgehog (Erinaceus europaeus) Spines Results from Free-Base Porphyrins of Potential Microbial Origin. Journal of Chemical Ecology, 2021, 47, 588-596.	1.8	10
148	//CAN i help you //. International Journal of Corpus Linguistics, 2005, 10, 85-107.	1.4	9
149	Desulfovibrio vulgaris CbiK P cobaltochelatase: evolution of a haem binding protein orchestrated by the incorporation of two histidine residues. Environmental Microbiology, 2017, 19, 106-118.	3.8	9
150	Cobalamin (vitamin B12) biosynthesis . Cloning, expression and crystallisation of the Bacillus megaterium S-adenosyl- L-methionine-dependent cobalt-precorrin-4 transmethylase CbiF. FEBS Journal, 1998, 254, 341-346.	0.2	8
151	Purification, characterisation and intracellular localisation of aryl hydrocarbon interacting protein-like 1 (AIPL1) and effects of mutations associated with inherited retinal dystrophies. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2004, 1690, 141-149.	3.8	8
152	Dipyrromethane cofactor assembly of porphobilinogen deaminase: Formation of apoenzyme and preparation of holoenzyme. Methods in Enzymology, 1997, 281, 317-327.	1.0	7
153	Ironâ€“sulfur cluster dynamics in biotin synthase: A new [2Feâ€“2S]1+ cluster. Biochemical and Biophysical Research Communications, 2009, 381, 487-490.	2.1	7
154	Crystal structure of CobK reveals strand-swapping between Rossmann-fold domains and molecular basis of the reduced precorrin product trap. Scientific Reports, 2015, 5, 16943.	3.3	7
155	Do collocational frameworks have local grammars?. International Journal of Corpus Linguistics, 2016, 21, 1-27.	1.4	7
156	FAD binding, cobinamide binding and active site communication in the corrin reductase (CobR). Bioscience Reports, 2014, 34, .	2.4	6
157	â€œPreparation is everythingâ€• Meetings in professional contexts in Hong Kong. English for Specific Purposes, 2014, 36, 12-26.	2.8	6
158	Classification of polyhedral shapes from individual anisotropically resolved cryo-electron tomography reconstructions. BMC Bioinformatics, 2016, 17, 234.	2.6	4
159	Zinc Substitution of Cobalt in Vitaminâ€…B12: Zincobyric acid and Zincobalamin as Luminescent Structural B12â€Mimics. Angewandte Chemie, 2019, 131, 14710-14714.	2.0	4
160	{ / [Oh] Not a < ^ Lot > }: Discourse Intonation and Vague Language. , 2007, , 182-197.		3
161	An absolute requirement for 5-aminolevulinic acid in the formation of catalytically active porphobilinogen deaminase. Biochemical Society Transactions, 1988, 16, 962-963.	3.4	2
162	Optimization of Met8p crystals through protein-storage buffer manipulation. Acta Crystallographica Section D: Biological Crystallography, 2001, 57, 867-869.	2.5	2

#	Article	IF	Citations
163	Crystallization and preliminary structure analysis of CobE, an essential protein of cobalamin (vitamin) Tj ETQq1 1 0.784314 rgBT /Ove 442-444.	0.7	2
164	Cloning, purification and preliminary crystallographic analysis of cobalamin methyltransferases fromRhodobacter capsulatus. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 1652-1656.	0.7	2
165	Understanding the Control of a Vitamin B<inf>12</inf> Riboswitch. , 2018, , .		2
166	Replacement of the Cobalt Center of Vitamin B₁₂ by Nickel: Nibalamin and Nibyric Acid Prepared from Metalâ€Free B₁₂â€...Ligands Hydrogenobalamin and Hydrogenobyric Acid. Angewandte Chemie, 2020, 132, 20304-20311.	2.0	2
167	Characterisation of two genes for guanylate cyclase activator protein (GCAP1 and GCAP2) in the Japanese pufferfish, Fugu rubripes. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2002, 1577, 73-80.	2.4	1
168	7. // --> ONE country two SYStems //: The discourse intonation patterns of word associations. Studies in Corpus Linguistics, 2008, , 135-153.	0.2	1
169	Chapter 6. I mean I only really wanted to dry me towels because â€¦. Studies in Corpus Linguistics, 0, , 145-160.	0.2	1
170	Uroporphyrinogen III methylase catalyzes the enzymic synthesis of sirohydrochlorins II and IV by a clockwise mechanism [Erratum to document cited in CA113(3):20050w]. Journal of the American Chemical Society, 1990, 112, 7835-7835.	13.7	0
171	Plasmodium falciparum hydroxymethylbilane synthase does not house any cosynthase activity within the haem biosynthetic pathway. Microbiology (United Kingdom), 2021, 167, .	1.8	0
172	Editorial overview: Bacterial microcompartments to the fore as metabolism is put in its place. Current Opinion in Microbiology, 2021, 64, 159-161.	5.1	0