

Steven E Ealick

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35
papers

1,291
citations

17
h-index

35
g-index

35
ext. papers

1,475
ext. citations

9.4
avg, IF

4.05
L-index

#	Paper	IF	Citations
35	Trapping and structural characterisation of a covalent intermediate in vitamin B biosynthesis catalysed by the Pdx1 PLP synthase.. <i>RSC Chemical Biology</i> , 2022 , 3, 227-230	3	
34	The use of <i>Trichomonas vaginalis</i> purine nucleoside phosphorylase to activate fludarabine in the treatment of solid tumors. <i>Cancer Chemotherapy and Pharmacology</i> , 2020 , 85, 573-583	3.5	2
33	Structural Basis of the Substrate Selectivity of Viperin. <i>Biochemistry</i> , 2020 , 59, 652-662	3.2	12
32	Structural basis of elongation factor 2 switching. <i>Current Research in Structural Biology</i> , 2020 , 2, 25-34	2.8	3
31	Menaquinone Biosynthesis: Biochemical and Structural Studies of Chorismate Dehydratase. <i>Biochemistry</i> , 2019 , 58, 1837-1840	3.2	3
30	The Crystal Structure of Dph2 in Complex with Elongation Factor 2 Reveals the Structural Basis for the First Step of Diphthamide Biosynthesis. <i>Biochemistry</i> , 2019 , 58, 4343-4351	3.2	3
29	Towards the structural characterization of the human methyltransferome. <i>Current Opinion in Structural Biology</i> , 2018 , 53, 12-21	8.1	4
28	Organometallic and radical intermediates reveal mechanism of diphthamide biosynthesis. <i>Science</i> , 2018 , 359, 1247-1250	33.3	32
27	Lysine relay mechanism coordinates intermediate transfer in vitamin B6 biosynthesis. <i>Nature Chemical Biology</i> , 2017 , 13, 290-294	11.7	13
26	Structural studies of viperin, an antiviral radical SAM enzyme. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 6806-6811	11.5	46
25	Substrate-Dependent Cleavage Site Selection by Unconventional Radical S-Adenosylmethionine Enzymes in Diphthamide Biosynthesis. <i>Journal of the American Chemical Society</i> , 2017 , 139, 5680-5683	16.4	17
24	Biochemical Characterization and Structural Basis of Reactivity and Regioselectivity Differences between <i>Burkholderia thailandensis</i> and <i>Burkholderia glumae</i> 1,6-Didesmethyltoxoflavin N-Methyltransferase. <i>Biochemistry</i> , 2017 , 56, 3934-3944	3.2	3
23	Crystal Structures of the Iron-Sulfur Cluster-Dependent Quinolinate Synthase in Complex with Dihydroxyacetone Phosphate, Iminoaspartate Analogues, and Quinolinate. <i>Biochemistry</i> , 2016 , 55, 4135-4142	3.2	10
22	Structural Basis for Iron-Mediated Sulfur Transfer in Archaeal and Yeast Thiazole Synthases. <i>Biochemistry</i> , 2016 , 55, 1826-38	3.2	14
21	From Suicide Enzyme to Catalyst: The Iron-Dependent Sulfide Transfer in <i>Methanococcus jannaschii</i> Thiamin Thiazole Biosynthesis. <i>Journal of the American Chemical Society</i> , 2016 , 138, 3639-42	16.4	21
20	Polyketide Ring Expansion Mediated by a Thioesterase, Chain Elongation and Cyclization Domain, in Azinomycin Biosynthesis: Characterization of AziB and AziG. <i>Biochemistry</i> , 2016 , 55, 704-14	3.2	6
19	Lyme disease spirochaete <i>Borrelia burgdorferi</i> does not require thiamin. <i>Nature Microbiology</i> , 2016 , 2, 16213	26.6	16

18	Biochemical and structural characterization of <i>Klebsiella pneumoniae</i> oxamate amidohydrolase in the uric acid degradation pathway. <i>Acta Crystallographica Section D: Structural Biology</i> , 2016 , 72, 808-16	5.5	3
17	<i>Burkholderia glumae</i> ToxA Is a Dual-Specificity Methyltransferase That Catalyzes the Last Two Steps of Toxoflavin Biosynthesis. <i>Biochemistry</i> , 2016 , 55, 2748-59	3.2	8
16	Radical S-adenosylmethionine (SAM) enzymes in cofactor biosynthesis: a treasure trove of complex organic radical rearrangement reactions. <i>Journal of Biological Chemistry</i> , 2015 , 290, 3980-6	5.4	53
15	Anaerobic 5-Hydroxybenzimidazole Formation from Aminoimidazole Ribotide: An Unanticipated Intersection of Thiamin and Vitamin B ₁₂ Biosynthesis. <i>Journal of the American Chemical Society</i> , 2015 , 137, 10444-7	16.4	21
14	Non-canonical active site architecture of the radical SAM thiamin pyrimidine synthase. <i>Nature Communications</i> , 2015 , 6, 6480	17.4	21
13	Different polyamine pathways from bacteria have replaced eukaryotic spermidine biosynthesis in ciliates <i>Tetrahymena thermophila</i> and <i>Paramecium tetraurelia</i> . <i>Molecular Microbiology</i> , 2015 , 97, 791-807	4.1	11
12	Co-opting sulphur-carrier proteins from primary metabolic pathways for 2-thiosugar biosynthesis. <i>Nature</i> , 2014 , 510, 427-31	50.4	51
11	Ethenoguanines undergo glycosylation by nucleoside 2'-deoxyribosyltransferases at non-natural sites. <i>PLoS ONE</i> , 2014 , 9, e115082	3.7	9
10	Diphthamide biosynthesis requires an organic radical generated by an iron-sulphur enzyme. <i>Nature</i> , 2010 , 465, 891-6	50.4	153
9	Structural insights into the mechanism of the PLP synthase holoenzyme from <i>Thermotoga maritima</i> . <i>Biochemistry</i> , 2006 , 45, 14609-20	3.2	71
8	Structural analyses reveal two distinct families of nucleoside phosphorylases. <i>Biochemical Journal</i> , 2002 , 361, 1-25	3.8	172
7	Structural characterization of the enzyme-substrate, enzyme-intermediate, and enzyme-product complexes of thiamin phosphate synthase. <i>Biochemistry</i> , 2001 , 40, 10103-14	3.2	42
6	Structure of a human S-adenosylmethionine decarboxylase self-processing ester intermediate and mechanism of putrescine stimulation of processing as revealed by the H243A mutant. <i>Biochemistry</i> , 2001 , 40, 9495-504	3.2	52
5	Crystal structure of 4-methyl-5-beta-hydroxyethylthiazole kinase from <i>Bacillus subtilis</i> at 1.5 Å resolution. <i>Biochemistry</i> , 2000 , 39, 7868-77	3.2	62
4	Thiamin biosynthesis in prokaryotes. <i>Archives of Microbiology</i> , 1999 , 171, 293-300	3	237
3	Crystal structure of thiamin phosphate synthase from <i>Bacillus subtilis</i> at 1.25 Å resolution. <i>Biochemistry</i> , 1999 , 38, 6460-70	3.2	39
2	Crystal structure of thiaminase-I from <i>Bacillus thiaminolyticus</i> at 2.0 Å resolution. <i>Biochemistry</i> , 1998 , 37, 15981-9	3.2	32
1	X-ray crystal structure of glycinamide ribonucleotide synthetase from <i>Escherichia coli</i> . <i>Biochemistry</i> , 1998 , 37, 15647-62	3.2	49

