

# Craig A Bingman

## List of Publications by Year in Descending Order

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**Version:** 2024-04-23

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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.

34  
papers

448  
citations

12  
h-index

20  
g-index

44  
ext. papers

649  
ext. citations

8.7  
avg, IF

3.24  
L-index

#	Paper	IF	Citations
34	Biocatalytic synthesis of non-standard amino acids by a decarboxylative aldol reaction. <i>Nature Catalysis</i> , <b>2022</b> , 5, 136-143	36.5	2
33	The Crystal Structure of Cysteamine Dioxygenase Reveals the Origin of the Large Substrate Scope of This Vital Mammalian Enzyme. <i>Biochemistry</i> , <b>2021</b> , 60, 3728-3737	3.2	2
32	Prolyl endopeptidase-like is a (thio)esterase involved in mitochondrial respiratory chain function. <i>IScience</i> , <b>2021</b> , 24, 103460	6.1	0
31	l-Threonine Transaldolase Activity Is Enabled by a Persistent Catalytic Intermediate. <i>ACS Chemical Biology</i> , <b>2021</b> , 16, 86-95	4.9	6
30	<i>C. elegans</i> germ granules require both assembly and localized regulators for mRNA repression. <i>Nature Communications</i> , <b>2021</b> , 12, 996	17.4	9
29	Epistasis shapes the fitness landscape of an allosteric specificity switch. <i>Nature Communications</i> , <b>2021</b> , 12, 5562	17.4	3
28	Clinico-Genetic, Imaging and Molecular Delineation of COQ8A-Ataxia: A Multicenter Study of 59 Patients. <i>Annals of Neurology</i> , <b>2020</b> , 88, 251-263	9.4	21
27	A structural and kinetic survey of GH5_4 endoglucanases reveals determinants of broad substrate specificity and opportunities for biomass hydrolysis. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 17752-17769	5.4	2
26	Clinico-Genetic, Imaging and Molecular Delineation of COQ8A-Ataxia: A Multicenter Study of 59 Patients <b>2020</b> , 88, 251		1
25	Retention of Native Quaternary Structure in Racemic Melittin Crystals. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 7704-7708	16.4	13
24	Use of a Stereochemical Strategy To Probe the Mechanism of Phenol-Soluble Modulin B Toxicity. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 7660-7664	16.4	23
23	Retention of Coiled-Coil Dimer Formation in the Absence of Ion Pairing at Positions Flanking the Hydrophobic Core. <i>Biochemistry</i> , <b>2019</b> , 58, 4821-4826	3.2	5
22	An Isoprene Lipid-Binding Protein Promotes Eukaryotic Coenzyme Q Biosynthesis. <i>Molecular Cell</i> , <b>2019</b> , 73, 763-774.e10	17.6	20
21	COQ9 Membrane Association and Its Role in Coenzyme Q Biosynthesis. <i>FASEB Journal</i> , <b>2018</b> , 32, 815.8	0.9	
20	Conserved Lipid and Small-Molecule Modulation of COQ8 Reveals Regulation of the Ancient Kinase-like UbiB Family. <i>Cell Chemical Biology</i> , <b>2018</b> , 25, 154-165.e11	8.2	40
19	An RNA-Binding Multimer Specifies Nematode Sperm Fate. <i>Cell Reports</i> , <b>2018</b> , 23, 3769-3775	10.6	7
18	Crystal Structures of SgcE6 and SgcC, the Two-Component Monooxygenase That Catalyzes Hydroxylation of a Carrier Protein-Tethered Substrate during the Biosynthesis of the Eneidyne Antitumor Antibiotic C-1027 in <i>Streptomyces globisporus</i> . <i>Biochemistry</i> , <b>2016</b> , 55, 5142-54	3.2	15

17	Cerebellar Ataxia and Coenzyme Q Deficiency through Loss of Unorthodox Kinase Activity. <i>Molecular Cell</i> , <b>2016</b> , 63, 608-620	17.6	67
16	Crystal structure of SgcJ, an NTF2-like superfamily protein involved in biosynthesis of the nine-membered enediyne antitumor antibiotic C-1027. <i>Journal of Antibiotics</i> , <b>2016</b> , 69, 731-740	3.7	9
15	Structural dynamics of a methionine $\beta$ -lyase for calicheamicin biosynthesis: Rotation of the conserved tyrosine stacking with pyridoxal phosphate. <i>Structural Dynamics</i> , <b>2016</b> , 3, 034702	3.2	4
14	PGL germ granule assembly protein is a base-specific, single-stranded RNase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 1279-84	11.5	14
13	Structural Basis of Stereospecificity in the Bacterial Enzymatic Cleavage of $\beta$ -Aryl Ether Bonds in Lignin. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 5234-46	5.4	27
12	Dual interaction of the Hsp70 J-protein cochaperone Zuo1in with the 40S and 60S ribosomal subunits. <i>Nature Structural and Molecular Biology</i> , <b>2016</b> , 23, 1003-1010	17.6	25
11	Mitochondrial ADCK3 employs an atypical protein kinase-like fold to enable coenzyme Q biosynthesis. <i>Molecular Cell</i> , <b>2015</b> , 57, 83-94	17.6	77
10	Crystal structure of the protein At3g01520, a eukaryotic universal stress protein-like protein from <i>Arabidopsis thaliana</i> in complex with AMP. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2015</b> , 83, 1368-73	4.2	12
9	Structural characterization of AtmS13, a putative sugar aminotransferase involved in indolocarbazole AT2433 aminopentose biosynthesis. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2015</b> , 83, 1547-54	4.2	9
8	Structural Basis for the Stereochemical Control of Amine Installation in Nucleotide Sugar Aminotransferases. <i>ACS Chemical Biology</i> , <b>2015</b> , 10, 2048-56	4.9	8
7	Structural Characterization of Cals8, a TDP- $\beta$ -Glucose Dehydrogenase Involved in Calicheamicin Aminodideoxypentose Biosynthesis. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 26249-58	5.4	2
6	LucY: A Versatile New Fluorescent Reporter Protein. <i>PLoS ONE</i> , <b>2015</b> , 10, e0124272	3.7	3
5	Structure of RNA 3 $\phi$ phosphate cyclase bound to substrate RNA. <i>Rna</i> , <b>2014</b> , 20, 1560-6	5.8	2
4	Crystal structure of human protein N-terminal glutamine amidohydrolase, an initial component of the N-end rule pathway. <i>PLoS ONE</i> , <b>2014</b> , 9, e111142	3.7	7
3	Crystal structure of the protein from <i>Arabidopsis thaliana</i> gene At5g06450, a putative DnaQ-like exonuclease domain-containing protein with homohexameric assembly. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2013</b> , 81, 1669-1675	4.2	5
2	Crystal structure of tandem ACT domain-containing protein ACTP from <i>Galdieria sulphuraria</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2012</b> , 80, 2105-2109	4.2	2
1	Crystal structure of the protein from gene At3g17210 of <i>Arabidopsis thaliana</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2004</b> , 57, 218-20	4.2	5