Craig A Bingman

List of Publications by Citations

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	Mitochondrial ADCK3 employs an atypical protein kinase-like fold to enable coenzyme Q biosynthesis. *Molecular Cell*, **2015**, 57, 83-94	17.6	77
33	Cerebellar Ataxia and Coenzyme Q Deficiency through Loss of Unorthodox Kinase Activity. *Molecular Cell*, **2016**, 63, 608-620	17.6	67
32	Conserved Lipid and Small-Molecule Modulation of COQ8 Reveals Regulation of the Ancient Kinase-like UbiB Family. *Cell Chemical Biology*, **2018**, 25, 154-165.e11	8.2	40
31	Structural Basis of Stereospecificity in the Bacterial Enzymatic Cleavage of β-Aryl Ether Bonds in Lignin. *Journal of Biological Chemistry*, **2016**, 291, 5234-46	5.4	27
30	Dual interaction of the Hsp70 J-protein cochaperone Zuotin with the 40S and 60S ribosomal subunits. *Nature Structural and Molecular Biology*, **2016**, 23, 1003-1010	17.6	25
29	Use of a Stereochemical Strategy To Probe the Mechanism of Phenol-Soluble Modulin β Toxicity. *Journal of the American Chemical Society*, **2019**, 141, 7660-7664	16.4	23
28	Clinico-Genetic, Imaging and Molecular Delineation of COQ8A-Ataxia: A Multicenter Study of 59 Patients. *Annals of Neurology*, **2020**, 88, 251-263	9.4	21
27	An Isoprene Lipid-Binding Protein Promotes Eukaryotic Coenzyme Q Biosynthesis. *Molecular Cell*, **2019**, 73, 763-774.e10	17.6	20
26	Crystal Structures of SgcE6 and SgcC, the Two-Component Monooxygenase That Catalyzes Hydroxylation of a Carrier Protein-Tethered Substrate during the Biosynthesis of the Enediyne Antitumor Antibiotic C-1027 in Streptomyces globisporus. *Biochemistry*, **2016**, 55, 5142-54	3.2	15
25	PGL germ granule assembly protein is a base-specific, single-stranded RNase. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 1279-84	11.5	14
24	Retention of Native Quaternary Structure in Racemic Melittin Crystals. *Journal of the American Chemical Society*, **2019**, 141, 7704-7708	16.4	13
23	Crystal structure of the protein At3g01520, a eukaryotic universal stress protein-like protein from Arabidopsis thaliana in complex with AMP. *Proteins: Structure, Function and Bioinformatics*, **2015**, 83, 1368-73	4.2	12
22	Crystal structure of SgcJ, an NTF2-like superfamily protein involved in biosynthesis of the nine-membered enediyne antitumor antibiotic C-1027. *Journal of Antibiotics*, **2016**, 69, 731-740	3.7	9
21	Structural characterization of AtmS13, a putative sugar aminotransferase involved in indolocarbazole AT2433 aminopentose biosynthesis. *Proteins: Structure, Function and Bioinformatics*, **2015**, 83, 1547-54	4.2	9
20	C. elegans germ granules require both assembly and localized regulators for mRNA repression. *Nature Communications*, **2021**, 12, 996	17.4	9
19	Structural Basis for the Stereochemical Control of Amine Installation in Nucleotide Sugar Aminotransferases. *ACS Chemical Biology*, **2015**, 10, 2048-56	4.9	8
18	Crystal structure of human protein N-terminal glutamine amidohydrolase, an initial component of the N-end rule pathway. *PLoS ONE*, **2014**, 9, e111142	3.7	7

List of Publications

17	An RNA-Binding Multimer Specifies Nematode Sperm Fate. *Cell Reports*, **2018**, 23, 3769-3775	10.6	7
16	l-Threonine Transaldolase Activity Is Enabled by a Persistent Catalytic Intermediate. *ACS Chemical Biology*, **2021**, 16, 86-95	4.9	6
15	Crystal structure of the protein from Arabidopsis thaliana gene At5g06450, a putative DnaQ-like exonuclease domain-containing protein with homohexameric assembly. *Proteins: Structure, Function and Bioinformatics*, **2013**, 81, 1669-1675	4.2	5
14	Crystal structure of the protein from gene At3g17210 of Arabidopsis thaliana. *Proteins: Structure, Function and Bioinformatics*, **2004**, 57, 218-20	4.2	5
13	Retention of Coiled-Coil Dimer Formation in the Absence of Ion Pairing at Positions Flanking the Hydrophobic Core. *Biochemistry*, **2019**, 58, 4821-4826	3.2	5
12	Structural dynamics of a methionine γ-lyase for calicheamicin biosynthesis: Rotation of the conserved tyrosine stacking with pyridoxal phosphate. *Structural Dynamics*, **2016**, 3, 034702	3.2	4
11	LucY: A Versatile New Fluorescent Reporter Protein. *PLoS ONE*, **2015**, 10, e0124272	3.7	3
10	Epistasis shapes the fitness landscape of an allosteric specificity switch. *Nature Communications*, **2021**, 12, 5562	17.4	3
9	Structure of RNA 3′-phosphate cyclase bound to substrate RNA. *Rna*, **2014**, 20, 1560-6	5.8	2
8	Structural Characterization of CalS8, a TDP-α-D-Glucose Dehydrogenase Involved in Calicheamicin Aminodideoxypentose Biosynthesis. *Journal of Biological Chemistry*, **2015**, 290, 26249-58	5.4	2
7	Crystal structure of tandem ACT domain-containing protein ACTP from Galdieria sulphuraria. *Proteins: Structure, Function and Bioinformatics*, **2012**, 80, 2105-2109	4.2	2
6	The Crystal Structure of Cysteamine Dioxygenase Reveals the Origin of the Large Substrate Scope of This Vital Mammalian Enzyme. *Biochemistry*, **2021**, 60, 3728-3737	3.2	2
5	A structural and kinetic survey of GH5_4 endoglucanases reveals determinants of broad substrate specificity and opportunities for biomass hydrolysis. *Journal of Biological Chemistry*, **2020**, 295, 17752-17769	5.4	2
4	Biocatalytic synthesis of non-standard amino acids by a decarboxylative aldol reaction. *Nature Catalysis*, **2022**, 5, 136-143	36.5	2
3	Clinico-Genetic, Imaging and Molecular Delineation of COQ8A-Ataxia: A Multicenter Study of 59 Patients **2020**, 88, 251		1
2	Prolyl endopeptidase-like is a (thio)esterase involved in mitochondrial respiratory chain function. *IScience*, **2021**, 24, 103460	6.1	0
1	COQ9 Membrane Association and Its Role in Coenzyme Q Biosynthesis. *FASEB Journal*, **2018**, 32, 815.8	0.9	