

Craig A Bingman

List of Publications by Year in descending order

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38
papers

806
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566801

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docs citations

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times ranked

1180
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Mitochondrial ADCK3 Employs an Atypical Protein Kinase-like Fold to Enable Coenzyme Q Biosynthesis. <i>Molecular Cell</i> , 2015, 57, 83-94. | 4.5 | 104 |
| 2 | Cerebellar Ataxia and Coenzyme Q Deficiency through Loss of Unorthodox Kinase Activity. <i>Molecular Cell</i> , 2016, 63, 608-620. | 4.5 | 101 |
| 3 | Conserved Lipid and Small-Molecule Modulation of COQ8 Reveals Regulation of the Ancient Kinase-like UbiB Family. <i>Cell Chemical Biology</i> , 2018, 25, 154-165.e11. | 2.5 | 63 |
| 4 | Clinico-Genetic, Imaging and Molecular Delineation of <i>COQ8A</i> -Ataxia: A Multicenter Study of 59 Patients. <i>Annals of Neurology</i> , 2020, 88, 251-263. | 2.8 | 52 |
| 5 | Structural Basis of Stereospecificity in the Bacterial Enzymatic Cleavage of \hat{I}^2 -Aryl Ether Bonds in Lignin. <i>Journal of Biological Chemistry</i> , 2016, 291, 5234-5246. | 1.6 | 40 |
| 6 | Dual interaction of the Hsp70 J-protein cochaperone Zuotin with the 40S and 60S ribosomal subunits. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 1003-1010. | 3.6 | 37 |
| 7 | An Isoprene Lipid-Binding Protein Promotes Eukaryotic Coenzyme Q Biosynthesis. <i>Molecular Cell</i> , 2019, 73, 763-774.e10. | 4.5 | 37 |
| 8 | Use of a Stereochemical Strategy To Probe the Mechanism of Phenol-Soluble Modulin \hat{I}^3 Toxicity. <i>Journal of the American Chemical Society</i> , 2019, 141, 7660-7664. | 6.6 | 32 |
| 9 | <i>l</i> -Threonine Transaldolase Activity Is Enabled by a Persistent Catalytic Intermediate. <i>ACS Chemical Biology</i> , 2021, 16, 86-95. | 1.6 | 30 |
| 10 | Biocatalytic synthesis of non-standard amino acids by a decarboxylative aldol reaction. <i>Nature Catalysis</i> , 2022, 5, 136-143. | 16.1 | 30 |
| 11 | <i>C. elegans</i> germ granules require both assembly and localized regulators for mRNA repression. <i>Nature Communications</i> , 2021, 12, 996. | 5.8 | 26 |
| 12 | 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> , 2016, 113, 1279-1284. | 3.3 | 21 |
| 13 | Retention of Native Quaternary Structure in Racemic Melittin Crystals. <i>Journal of the American Chemical Society</i> , 2019, 141, 7704-7708. | 6.6 | 19 |
| 14 | 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 <i>Streptomyces globisporus</i> . <i>Biochemistry</i> , 2016, 55, 5142-5154. | 1.2 | 18 |
| 15 | <i>p</i> HBMT1, a BAHD-family monolignol acyltransferase, mediates lignin acylation in poplar. <i>Plant Physiology</i> , 2022, 188, 1014-1027. | 2.3 | 18 |
| 16 | Epistasis shapes the fitness landscape of an allosteric specificity switch. <i>Nature Communications</i> , 2021, 12, 5562. | 5.8 | 16 |
| 17 | Crystal structure of the protein <i>A</i> _{3g01520} , a eukaryotic universal stress protein-like protein from <i>Arabidopsis thaliana</i> in complex with AMP. <i>Proteins: Structure, Function and Bioinformatics</i> , 2015, 83, 1368-1373. | 1.5 | 15 |
| 18 | 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> , 2020, 295, 17752-17769. | 1.6 | 15 |

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|----|--|-----|-----------|
| 19 | An RNA-Binding Multimer Specifies Nematode Sperm Fate. <i>Cell Reports</i> , 2018, 23, 3769-3775. | 2.9 | 14 |
| 20 | Structural Basis for the Stereochemical Control of Amine Installation in Nucleotide Sugar Aminotransferases. <i>ACS Chemical Biology</i> , 2015, 10, 2048-2056. | 1.6 | 12 |
| 21 | Structural characterization of AtmS13, a putative sugar aminotransferase involved in indolocarbazole AT2433 aminopentose biosynthesis. <i>Proteins: Structure, Function and Bioinformatics</i> , 2015, 83, 1547-1554. | 1.5 | 10 |
| 22 | 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> , 2016, 69, 731-740. | 1.0 | 10 |
| 23 | The Crystal Structure of Cysteamine Dioxygenase Reveals the Origin of the Large Substrate Scope of This Vital Mammalian Enzyme. <i>Biochemistry</i> , 2021, 60, 3728-3737. | 1.2 | 10 |
| 24 | Identification and characterization of a set of monocot BAHD monolignol transferases. <i>Plant Physiology</i> , 2022, 189, 37-48. | 2.3 | 10 |
| 25 | Retention of Coiled-Coil Dimer Formation in the Absence of Ion Pairing at Positions Flanking the Hydrophobic Core. <i>Biochemistry</i> , 2019, 58, 4821-4826. | 1.2 | 9 |
| 26 | Crystal Structure of Human Protein N-Terminal Glutamine Amidohydrolase, an Initial Component of the N-End Rule Pathway. <i>PLoS ONE</i> , 2014, 9, e111142. | 1.1 | 9 |
| 27 | Prolyl endopeptidase-like is a (thio)esterase involved in mitochondrial respiratory chain function. <i>IScience</i> , 2021, 24, 103460. | 1.9 | 8 |
| 28 | Crystal structure of the protein from gene At3g17210 of <i>Arabidopsis thaliana</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 57, 218-220. | 1.5 | 7 |
| 29 | 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> , 2013, 81, 1669-1675. | 1.5 | 5 |
| 30 | Structural Characterization of CalS8, a TDP- β -d-Glucose Dehydrogenase Involved in Calicheamicin Aminodideoxypentose Biosynthesis. <i>Journal of Biological Chemistry</i> , 2015, 290, 26249-26258. | 1.6 | 5 |
| 31 | Trimer-to-Monomer Disruption Mechanism for a Potent, Protease-Resistant Antagonist of Tumor Necrosis Factor- β Signaling. <i>Journal of the American Chemical Society</i> , 2022, 144, 9610-9617. | 6.6 | 5 |
| 32 | Structural dynamics of a methionine β -lyase for calicheamicin biosynthesis: Rotation of the conserved tyrosine stacking with pyridoxal phosphate. <i>Structural Dynamics</i> , 2016, 3, 034702. | 0.9 | 4 |
| 33 | LucY: A Versatile New Fluorescent Reporter Protein. <i>PLoS ONE</i> , 2015, 10, e0124272. | 1.1 | 4 |
| 34 | Structure of RNA 3'-phosphate cyclase bound to substrate RNA. <i>Rna</i> , 2014, 20, 1560-1566. | 1.6 | 3 |
| 35 | Crystal structure of tandem ACT domain-containing protein ACTP from <i>Galdieria sulphuraria</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2012, 80, n/a-n/a. | 1.5 | 2 |
| 36 | Investigation of β -Substitution Activity of <i>O</i> -Acetylserine Sulfhydrylase from <i>Citrullus vulgaris</i> . <i>ChemBioChem</i> , 2022, 23, . | 1.3 | 2 |

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|----|--|-----|-----------|
| 37 | Clinico-Genetic, Imaging and Molecular Delineation of COQ8A-Ataxia: A Multicenter Study of 59 Patients. , 2020, 88, 251. | | 1 |
| 38 | COQ9 Membrane Association and Its Role in Coenzyme Q Biosynthesis. FASEB Journal, 2018, 32, 815.8. | 0.2 | 0 |