

# Patrick J Baker

## List of Publications by Year in descending order

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112  
papers

5,311  
citations

109137

35  
h-index

85405

71  
g-index

113  
all docs

113  
docs citations

113  
times ranked

5054  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                                     | IF   | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1  | Molecular basis of triclosan activity. <i>Nature</i> , 1999, 398, 383-384.                                                                                                                                                                  | 13.7 | 473       |
| 2  | The structure of <i>Pyrococcus furiosus</i> glutamate dehydrogenase reveals a key role for ion-pair networks in maintaining enzyme stability at extreme temperatures. <i>Structure</i> , 1995, 3, 1147-1158.                                | 1.6  | 445       |
| 3  | An Inhibitor of FtsZ with Potent and Selective Anti-Staphylococcal Activity. <i>Science</i> , 2008, 321, 1673-1675.                                                                                                                         | 6.0  | 389       |
| 4  | A Mechanism of Drug Action Revealed by Structural Studies of Enoyl Reductase. <i>Science</i> , 1996, 274, 2107-2110.                                                                                                                        | 6.0  | 239       |
| 5  | Conformational Flexibility in Glutamate Dehydrogenase. <i>Journal of Molecular Biology</i> , 1993, 234, 1131-1139.                                                                                                                          | 2.0  | 224       |
| 6  | Antibiotic Activity and Characterization of BB-3497, a Novel Peptide Deformylase Inhibitor. <i>Antimicrobial Agents and Chemotherapy</i> , 2001, 45, 563-570.                                                                               | 1.4  | 224       |
| 7  | Subunit assembly and active site location in the structure of glutamate dehydrogenase. <i>Proteins: Structure, Function and Bioinformatics</i> , 1992, 12, 75-86.                                                                           | 1.5  | 221       |
| 8  | Crystal Structure of DNA Recombination Protein RuvA and a Model for Its Binding to the Holliday Junction. <i>Science</i> , 1996, 274, 415-421.                                                                                              | 6.0  | 172       |
| 9  | Structural consequences of sequence patterns in the fingerprint region of the nucleotide binding fold. <i>Journal of Molecular Biology</i> , 1992, 228, 662-671.                                                                            | 2.0  | 163       |
| 10 | Analysis of protein solvent interactions in glucose dehydrogenase from the extreme halophile <i>Haloferax mediterranei</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 4846-4851. | 3.3  | 134       |
| 11 | X-Ray Crystallographic Studies on Butyryl-ACP Reveal Flexibility of the Structure around a Putative Acyl Chain Binding Site. <i>Structure</i> , 2002, 10, 825-835.                                                                          | 1.6  | 114       |
| 12 | Common themes in redox chemistry emerge from the X-ray structure of oilseed rape ( <i>Brassica napus</i> ) enoyl acyl carrier protein reductase. <i>Structure</i> , 1995, 3, 927-938.                                                       | 1.6  | 110       |
| 13 | A <i>Burkholderia pseudomallei</i> Toxin Inhibits Helicase Activity of Translation Factor eIF4A. <i>Science</i> , 2011, 334, 821-824.                                                                                                       | 6.0  | 107       |
| 14 | Glycerol Dehydrogenase. <i>Structure</i> , 2001, 9, 789-802.                                                                                                                                                                                | 1.6  | 101       |
| 15 | A role for quaternary structure in the substrate specificity of leucine dehydrogenase. <i>Structure</i> , 1995, 3, 693-705.                                                                                                                 | 1.6  | 97        |
| 16 | Crystallographic analysis of triclosan bound to enoyl reductase. <i>Journal of Molecular Biology</i> , 1999, 294, 527-535.                                                                                                                  | 2.0  | 90        |
| 17 | Insights into Thermal Stability from a Comparison of the Glutamate Dehydrogenases from <i>Pyrococcus furiosus</i> and <i>Thermococcus litoralis</i> . <i>FEBS Journal</i> , 1995, 229, 688-695.                                             | 0.2  | 89        |
| 18 | The 1.2 Å... structure of a novel quorum-sensing protein, <i>Bacillus subtilis</i> LuxS 1 Edited by J. Thornton. <i>Journal of Molecular Biology</i> , 2001, 313, 111-122.                                                                  | 2.0  | 79        |

| #  | ARTICLE                                                                                                                                                                                                                                                                                                                                                                                         | IF       | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|
| 19 | Analysis of the structure and substrate binding of Phormidium lapideum alanine dehydrogenase. Nature Structural Biology, 1998, 5, 561-567.                                                                                                                                                                                                                                                      | 9.7      | 78        |
| 20 | Structural relationship between the hexameric and tetrameric family of glutamate dehydrogenases. FEBS Journal, 1992, 209, 851-859.                                                                                                                                                                                                                                                              | 0.2      | 74        |
| 21 | Evolution of Substrate Diversity in the Superfamily of Amino Acid Dehydrogenases. Journal of Molecular Biology, 1993, 234, 938-945.                                                                                                                                                                                                                                                             | 2.0      | 73        |
| 22 | The crystal structure and active site location of isocitrate lyase from the fungus Aspergillus nidulans. Structure, 2000, 8, 349-362.                                                                                                                                                                                                                                                           | 1.6      | 64        |
| 23 | Active site dynamics in the zinc-dependent medium chain alcohol dehydrogenase superfamily. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 779-784.                                                                                                                                                                                                 | 3.3      | 61        |
| 24 | The Crystal Structure of Diadenosine Tetraphosphate Hydrolase from Caenorhabditis elegans in Free and Binary Complex Forms. Structure, 2002, 10, 589-600.                                                                                                                                                                                                                                       | 1.6      | 57        |
| 25 | Protein-protein recognition, hydride transfer and proton pumping in the transhydrogenase complex. Because Structure with Folding & Design operates a "Continuous Publication System"™ for Research Papers, this paper has been published on the internet before being printed (accessed from) <a href="https://doi.org/10.1016/j.str.2000.08.015">https://doi.org/10.1016/j.str.2000.08.015</a> | 0.784314 | 55 / Over |
| 26 | Substrate Specificity and Mechanism from the Structure of Pyrococcus furiosus Galactokinase. Journal of Molecular Biology, 2004, 337, 387-398.                                                                                                                                                                                                                                                  | 2.0      | 53        |
| 27 | Structure determination of the glutamate dehydrogenase from the hyperthermophile Thermococcus litoralis and its comparison with that from Pyrococcus furiosus. Edited by R. Huber. Journal of Molecular Biology, 1999, 293, 1121-1132.                                                                                                                                                          | 2.0      | 52        |
| 28 | Columnar Liquid Crystals in Cylindrical Nanoconfinement. ACS Nano, 2015, 9, 1759-1766.                                                                                                                                                                                                                                                                                                          | 7.3      | 51        |
| 29 | The molecular basis of phosphite and hypophosphite recognition by ABC-transporters. Nature Communications, 2017, 8, 1746.                                                                                                                                                                                                                                                                       | 5.8      | 50        |
| 30 | Substrate-Induced Conformational Changes in Bacillus subtilis Glutamate Racemase and Their Implications for Drug Discovery. Structure, 2005, 13, 1707-1713.                                                                                                                                                                                                                                     | 1.6      | 49        |
| 31 | The mechanism of a formaldehyde-sensing transcriptional regulator. Scientific Reports, 2016, 6, 38879.                                                                                                                                                                                                                                                                                          | 1.6      | 46        |
| 32 | Determinants of Substrate Specificity in the Superfamily of Amino Acid Dehydrogenases. Biochemistry, 1997, 36, 16109-16115.                                                                                                                                                                                                                                                                     | 1.2      | 45        |
| 33 | Insights into the mechanism of domain closure and substrate specificity of glutamate dehydrogenase from Clostridium symbiosum. Edited by A. R. Fersht. Journal of Molecular Biology, 1999, 285, 875-885.                                                                                                                                                                                        | 2.0      | 41        |
| 34 | Structural insights into the function of type VI secretion system TssA subunits. Nature Communications, 2018, 9, 4765.                                                                                                                                                                                                                                                                          | 5.8      | 41        |
| 35 | Insights into Enzyme Evolution Revealed by the Structure of Methylaspartate Ammonia Lyase. Structure, 2002, 10, 105-113.                                                                                                                                                                                                                                                                        | 1.6      | 37        |
| 36 | The molecular basis of endolytic activity of a multidomain alginate lyase from Defluviitalea phaphyphila, a representative of a new lyase family, PL39. Journal of Biological Chemistry, 2019, 294, 18077-18091.                                                                                                                                                                                | 1.6      | 37        |

| #  | ARTICLE                                                                                                                                                                                                                                                  | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | The partial amino acid sequence of the NAD -dependent glutamate dehydrogenase of <i>Clostridium symbiosum</i> : implications for the evolution and structural basis of coenzyme specificity. <i>BBA - Proteins and Proteomics</i> , 1991, 1080, 191-197. | 2.1 | 36        |
| 38 | The structure and domain organization of <i>Escherichia coli</i> isocitrate lyase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 1209-1218.                                                                            | 2.5 | 35        |
| 39 | Crystal Structure of <i>Pyrococcus furiosus</i> Phosphoglucose Isomerase. <i>Journal of Biological Chemistry</i> , 2003, 278, 33290-33297.                                                                                                               | 1.6 | 32        |
| 40 | Analysis of the Open and Closed Conformations of the GTP-binding Protein YsxC from <i>Bacillus subtilis</i> . <i>Journal of Molecular Biology</i> , 2004, 339, 265-278.                                                                                  | 2.0 | 32        |
| 41 | Alteration in relative activities of phenylalanine dehydrogenase towards different substrates by site-directed mutagenesis. <i>FEBS Letters</i> , 1995, 370, 93-96.                                                                                      | 1.3 | 31        |
| 42 | Structure and Mechanism of Imidazoleglycerol-Phosphate Dehydratase. <i>Structure</i> , 2005, 13, 1809-1817.                                                                                                                                              | 1.6 | 31        |
| 43 | Crystal Structures Reveal that the Reaction Mechanism of Imidazoleglycerol-Phosphate Dehydratase Is Controlled by Switching Mn(II) Coordination. <i>Structure</i> , 2015, 23, 1236-1245.                                                                 | 1.6 | 31        |
| 44 | Evidence Supporting a cis-enediol-based Mechanism for <i>Pyrococcus furiosus</i> Phosphoglucose Isomerase. <i>Journal of Molecular Biology</i> , 2006, 358, 1353-1366.                                                                                   | 2.0 | 29        |
| 45 | Structural origins of pH-dependent chemical shifts in the B1 domain of protein G. <i>Proteins: Structure, Function and Bioinformatics</i> , 2010, 78, 3000-3016.                                                                                         | 1.5 | 29        |
| 46 | Insights into Thermal Stability from a Comparison of the Glutamate Dehydrogenases from <i>Pyrococcus furiosus</i> and <i>Thermococcus litoralis</i> . <i>FEBS Journal</i> , 1995, 229, 688-695.                                                          | 0.2 | 28        |
| 47 | Recent progress on the structure and function of glutamate dehydrogenase. <i>Biochemical Society Transactions</i> , 1987, 15, 748-751.                                                                                                                   | 1.6 | 25        |
| 48 | Purification and crystallization of the light harvesting LH1 complex from <i>Rhodobacter sphaeroides</i> . <i>Journal of Molecular Biology</i> , 1992, 228, 1259-1262.                                                                                   | 2.0 | 25        |
| 49 | Structure and Function of Amino Acid Ammonia-lyases. <i>Biocatalysis and Biotransformation</i> , 2004, 22, 133-140.                                                                                                                                      | 1.1 | 25        |
| 50 | Effect of additives on the crystallization of glutamate dehydrogenase from <i>Clostridium symbiosum</i> . <i>Journal of Molecular Biology</i> , 1992, 224, 1181-1184.                                                                                    | 2.0 | 24        |
| 51 | The Structure of <i>Escherichia coli</i> RusA Endonuclease Reveals a New Holliday Junction DNA Binding Fold. <i>Structure</i> , 2003, 11, 1557-1567.                                                                                                     | 1.6 | 24        |
| 52 | Elucidating the structural basis for differing enzyme inhibitor potency by cryo-EM. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1795-1800.                                                       | 3.3 | 24        |
| 53 | Analysis of the Quaternary Structure, Substrate Specificity, and Catalytic Mechanism of Valine Dehydrogenase. <i>Journal of Biological Chemistry</i> , 1997, 272, 25105-25111.                                                                           | 1.6 | 23        |
| 54 | Identification and structural analysis of the tripartite $\beta$ -pore forming toxin of <i>Aeromonas hydrophila</i> . <i>Nature Communications</i> , 2019, 10, 2900.                                                                                     | 5.8 | 20        |

| #  | ARTICLE                                                                                                                                                                                                                                | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | The Structures of Inhibitor Complexes of <i>Pyrococcus furiosus</i> Phosphoglucose Isomerase Provide Insights into Substrate Binding and Catalysis. <i>Journal of Molecular Biology</i> , 2004, 343, 649-657.                          | 2.0 | 19        |
| 56 | RusA Holliday junction resolvase: DNA complex structureâ€”insights into selectivity and specificity. <i>Nucleic Acids Research</i> , 2006, 34, 5577-5584.                                                                              | 6.5 | 19        |
| 57 | Alanine dehydrogenase from the psychrophilic bacterium strain PA-43: overexpression, molecular characterization, and sequence analysis. <i>Extremophiles</i> , 2003, 7, 135-143.                                                       | 0.9 | 16        |
| 58 | Pnc1 piggy-back import into peroxisomes relies on Gpd1 homodimerisation. <i>Scientific Reports</i> , 2017, 7, 42579.                                                                                                                   | 1.6 | 16        |
| 59 | The crystal structure of <i>Thermotoga maritima</i> maltosyltransferase and its implications for the molecular basis of the novel transfer specificity 1 Edited by R. Huber. <i>Journal of Molecular Biology</i> , 2001, 312, 119-131. | 2.0 | 14        |
| 60 | Expression, purification and preliminary X-ray analysis of crystals of <i>Bacillus subtilis</i> glutamate racemase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2004, 60, 2031-2034.                         | 2.5 | 14        |
| 61 | Crystallization of an NADP <sup>+</sup> -dependent malic enzyme from rat liver. <i>Journal of Molecular Biology</i> , 1987, 193, 233-235.                                                                                              | 2.0 | 13        |
| 62 | Use of chemical modification in the crystallization of isocitrate lyase from <i>Escherichia coli</i> . <i>Journal of Molecular Biology</i> , 1991, 220, 13-16.                                                                         | 2.0 | 13        |
| 63 | Alteration of the amino acid substrate specificity of clostridial glutamate dehydrogenase by site-directed mutagenesis of an active-site lysine residue. <i>Protein Engineering, Design and Selection</i> , 1995, 8, 147-152.          | 1.0 | 13        |
| 64 | Mirrorâ€”Image Packing Provides a Molecular Basis for the Nanomolar Equipotency of Enantiomers of an Experimental Herbicide. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13485-13489.                                 | 7.2 | 13        |
| 65 | Crystallization and Quaternary Structure Analysis of the NAD <sup>+</sup> -dependent Leucine Dehydrogenase from <i>Bacillus sphaericus</i> . <i>Journal of Molecular Biology</i> , 1994, 236, 663-665.                                 | 2.0 | 12        |
| 66 | Conserved residues in Ycf54 are required for protochlorophyllide formation in <i>Synechocystis</i> sp. PCC 6803. <i>Biochemical Journal</i> , 2017, 474, 667-681.                                                                      | 1.7 | 12        |
| 67 | Structural and functional studies of histidine biosynthesis in <i>Acanthamoeba</i> spp. demonstrates a novel molecular arrangement and target for antimicrobials. <i>PLoS ONE</i> , 2018, 13, e0198827.                                | 1.1 | 12        |
| 68 | Crystallization of the NADP <sup>+</sup> -dependent Glutamate Dehydrogenase from <i>Escherichia coli</i> . <i>Journal of Molecular Biology</i> , 1993, 234, 1270-1273.                                                                 | 2.0 | 11        |
| 69 | Crystallization and preliminary X-ray analysis of glucose dehydrogenase from <i>Haloferax mediterranei</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 1887-1889.                                | 2.5 | 11        |
| 70 | Crystallization and preliminary X-ray crystallographic studies on acyl-(acyl carrier protein) from <i>Escherichia coli</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002, 58, 330-332.                  | 2.5 | 11        |
| 71 | Distant Non-Obvious Mutations Influence the Activity of a Hyperthermophilic <i>Pyrococcus furiosus</i> Phosphoglucose Isomerase. <i>Biomolecules</i> , 2019, 9, 212.                                                                   | 1.8 | 11        |
| 72 | Correlation of intron-exon organisation with the three-dimensional structure in glutamate dehydrogenase. <i>BBA - Proteins and Proteomics</i> , 1995, 1247, 231-238.                                                                   | 2.1 | 9         |

| #  | ARTICLE                                                                                                                                                                                                                                                         | IF  | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | From hyperthermophiles to psychrophiles: the structural basis of temperature stability of the amino acid dehydrogenases. <i>Biochemical Society Transactions</i> , 2004, 32, 264-268.                                                                           | 1.6 | 9         |
| 74 | Crystal structure of <i>S. aureus</i> YlaN, an essential leucine rich protein involved in the control of cell shape. <i>Proteins: Structure, Function and Bioinformatics</i> , 2007, 68, 438-445.                                                               | 1.5 | 9         |
| 75 | The structure of a major surface antigen SAG19 from <i>Eimeria tenella</i> unifies the <i>Eimeria</i> SAG family. <i>Communications Biology</i> , 2021, 4, 376.                                                                                                 | 2.0 | 9         |
| 76 | Purification, crystallization and preliminary crystallographic analysis of phosphoglucose isomerase from the hyperthermophilic archaeon <i>Pyrococcus furiosus</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2003, 59, 1822-1823. | 2.5 | 8         |
| 77 | Optimization of selenium substructures as obtained from SHELXD. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2003, 59, 1987-1994.                                                                                                      | 2.5 | 8         |
| 78 | Crystallization and preliminary X-ray analysis of binary and ternary complexes of <i>Haloferax mediterranei</i> glucose dehydrogenase. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2005, 61, 743-746.                          | 0.7 | 8         |
| 79 | Crystallization and analysis of the subunit assembly and quaternary structure of imidazoleglycerol phosphate dehydratase from <i>Saccharomyces cerevisiae</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1995, 51, 845-847.        | 2.5 | 7         |
| 80 | Characterisation of a tripartite $\beta$ -pore forming toxin from <i>Serratia marcescens</i> . <i>Scientific Reports</i> , 2021, 11, 6447.                                                                                                                      | 1.6 | 7         |
| 81 | Crystallization of NAD <sup>+</sup> -dependent phenylalanine dehydrogenase from <i>Nocardia</i> sp239. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1998, 54, 269-272.                                                                 | 2.5 | 6         |
| 82 | The human granulocyte/macrophage colony-stimulating factor receptor $\beta$ 2 isoform influences haemopoietic lineage commitment and divergence. <i>British Journal of Haematology</i> , 2003, 122, 150-158.                                                    | 1.2 | 6         |
| 83 | Crystallization and preliminary crystallographic analysis of a surface antigen glycoprotein, SAG19, from <i>Eimeria tenella</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 1380-1383.                             | 0.7 | 6         |
| 84 | Crystallization and preliminary X-ray studies of nitrogenase component 1 (the MoFe protein) from <i>Klebsiella pneumoniae</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1997, 53, 227-228.                                        | 2.5 | 5         |
| 85 | Expression, purification, crystallization and preliminary crystallographic analysis of a putative GTP-binding protein, YsxC, from <i>Bacillus subtilis</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2004, 60, 166-168.           | 2.5 | 5         |
| 86 | Cloning, purification, crystallization and preliminary crystallographic analysis of galactokinase from <i>Pyrococcus furiosus</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2003, 59, 1819-1821.                                  | 2.5 | 4         |
| 87 | Crystallization of the NAD(P)-dependent glutamate dehydrogenase from the hyperthermophile <i>Pyrococcus furiosus</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1995, 51, 240-242.                                                 | 2.5 | 3         |
| 88 | Crystallization of the alanine dehydrogenase from <i>Phormidium lapideum</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1998, 54, 407-408.                                                                                         | 2.5 | 3         |
| 89 | Purification, crystallization and quaternary structure analysis of a glycerol dehydrogenase S305C mutant from <i>Bacillus stearothermophilus</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 165-167.                     | 2.5 | 3         |
| 90 | Crystallization and preliminary X-ray analysis of substrate complexes of leucine dehydrogenase from <i>Thermoactinomyces intermedius</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002, 58, 1059-1062.                           | 2.5 | 3         |

| #   | ARTICLE                                                                                                                                                                                                                                                 | IF  | CITATIONS |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 91  | Crystallization of glycerol dehydrogenase from <i>Bacillus stearothermophilus</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1995, 51, 830-832.                                                                            | 2.5 | 2         |
| 92  | Isocitrate lyase from <i>Aspergillus nidulans</i> : crystallization and X-ray analysis of a glyoxylate cycle enzyme. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1997, 53, 488-490.                                           | 2.5 | 2         |
| 93  | Crystallization and preliminary X-ray crystallographic studies on maltosyltransferase from <i>Thermotoga maritima</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2000, 56, 1049-1050.                                      | 2.5 | 2         |
| 94  | Crystallization and preliminary X-ray analysis of <i>Citrobacter amalonaticus</i> methylaspartate ammonia lyase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 1922-1924.                                             | 2.5 | 2         |
| 95  | Crystallization and preliminary X-ray crystallographic studies on the class II cholesterol oxidase from <i>Burkholderia cepacia</i> containing bound flavin. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002, 58, 2182-2183. | 2.5 | 2         |
| 96  | Purification, crystallization and preliminary crystallographic analysis of <i>Arabidopsis thaliana</i> imidazole glycerol-phosphate dehydratase. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2005, 61, 776-778.        | 0.7 | 2         |
| 97  | Cloning, purification and preliminary crystallographic analysis of a conserved hypothetical protein, SA0961 (YlaN), from <i>Staphylococcus aureus</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2006, 62, 778-780. | 0.7 | 2         |
| 98  | Cloning, purification and crystallographic analysis of a hypothetical protein, BPSL1549, from <i>Burkholderia pseudomallei</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2011, 67, 1623-1626.                      | 0.7 | 2         |
| 99  | Molecular basis of specificity and deamidation of eIF4A by <i>Burkholderia</i> Lethal Factor 1. <i>Communications Biology</i> , 2022, 5, 272.                                                                                                           | 2.0 | 2         |
| 100 | The changed pattern of substrate specificity in the K89L mutant of glutamate dehydrogenase of <i>Clostridium symbiosum</i> . <i>Biochemical Society Transactions</i> , 1994, 22, 320S-320S.                                                             | 1.6 | 1         |
| 101 | Crystallization of the dl component of transhydrogenase, a proton-translocating membrane protein. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2000, 56, 1170-1172.                                                            | 2.5 | 1         |
| 102 | Mirror Image Packing Provides a Molecular Basis for the Nanomolar Equipotency of Enantiomers of an Experimental Herbicide. <i>Angewandte Chemie</i> , 2016, 128, 13683-13687.                                                                           | 1.6 | 1         |
| 103 | TssA from <i>Aeromonas hydrophila</i> : expression, purification and crystallographic studies. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2018, 74, 578-582.                                                          | 0.4 | 1         |
| 104 | TssA from <i>Burkholderia cenocepacia</i> : expression, purification, crystallization and crystallographic analysis. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2018, 74, 536-542.                                    | 0.4 | 1         |
| 105 | The A component (SmhA) of a tripartite pore-forming toxin from <i>Serratia marcescens</i> : expression, purification and crystallographic analysis. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2020, 76, 577-582.     | 0.4 | 1         |
| 106 | Improving the engineered activity of mutants of clostridial glutamate dehydrogenase towards monocarboxylic substrates: Substitution of Ala 163 with glycine. <i>Biochemical Society Transactions</i> , 1996, 24, 126S-126S.                             | 1.6 | 0         |
| 107 | The mechanism of the oxidation of glycerol to dihydroxyacetone in <i>Bacillus stearothermophilus</i> . <i>Biochemical Society Transactions</i> , 2000, 28, A331-A331.                                                                                   | 1.6 | 0         |
| 108 | Crystallization and preliminary X-ray analysis of the ytxM gene product from <i>Bacillus subtilis</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002, 58, 2138-2140.                                                      | 2.5 | 0         |

| #   | ARTICLE                                                                                                                                                                                                                                                   | IF  | CITATIONS |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 109 | Cloning, purification and preliminary crystallographic analysis of a putative DNA-binding membrane protein, YmfM, from <i>Staphylococcus aureus</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2008, 64, 656-658.     | 0.7 | 0         |
| 110 | Crystallization and preliminary X-ray analysis of the receiver domain of a putative response regulator, BPSLO128, from <i>Burkholderia pseudomallei</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012, 68, 917-922. | 0.7 | 0         |
| 111 | Cloning, purification, crystallization and preliminary X-ray analysis of the <i>Burkholderia pseudomallei</i> L1 ribosomal protein. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012, 68, 347-350.                       | 0.7 | 0         |
| 112 | Crystallization and preliminary crystallographic analysis of the putative sugar-binding protein Msmeg_0515 (AgaE) from <i>Mycobacterium smegmatis</i> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2015, 71, 189-193.   | 0.4 | 0         |