

Paul M G Curmi

List of Publications by Year in descending order

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137
papers

8,866
citations

38742

50
h-index

43889

91
g-index

140
all docs

140
docs citations

140
times ranked

8902
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Scaffolding proteins guide the evolution of algal light harvesting antennas. <i>Nature Communications</i> , 2021, 12, 1890. | 12.8 | 11 |
| 2 | Synthetic biology approaches to dissecting linear motor protein function: towards the design and synthesis of artificial autonomous protein walkers. <i>Biophysical Reviews</i> , 2020, 12, 1041-1054. | 3.2 | 12 |
| 3 | An Oscillating MinD Protein Determines the Cellular Positioning of the Motility Machinery in Archaea. <i>Current Biology</i> , 2020, 30, 4956-4972.e4. | 3.9 | 19 |
| 4 | Coherent Processes in Photosynthetic Energy Transport and Transduction. <i>Advances in Photosynthesis and Respiration</i> , 2020, , 397-439. | 1.0 | 2 |
| 5 | Division plane placement in pleomorphic archaea is dynamically coupled to cell shape. <i>Molecular Microbiology</i> , 2019, 112, 785-799. | 2.5 | 38 |
| 6 | A conserved GXXXG motif in the transmembrane domain of CLIC proteins is essential for their cholesterol-dependant membrane interaction. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 1243-1253. | 2.4 | 9 |
| 7 | Two Sides of the Coin: Ezrin/Radixin/Moesin and Merlin Control Membrane Structure and Contact Inhibition. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1996. | 4.1 | 49 |
| 8 | The bar-hinge motor: a synthetic protein design exploiting conformational switching to achieve directional motility. <i>New Journal of Physics</i> , 2019, 21, 013002. | 2.9 | 4 |
| 9 | Coherent phenomena in photosynthetic light harvesting: part one – theory and spectroscopy. <i>Biophysical Reviews</i> , 2018, 10, 1427-1441. | 3.2 | 9 |
| 10 | Coherent phenomena in photosynthetic light harvesting: part two – observations in biological systems. <i>Biophysical Reviews</i> , 2018, 10, 1443-1463. | 3.2 | 14 |
| 11 | Cooperative Subunit Refolding of a Light Harvesting Protein through a Self-Chaperone Mechanism. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8384-8388. | 13.8 | 9 |
| 12 | Construction of a Chassis for a Tripartite Protein-Based Molecular Motor. <i>ACS Synthetic Biology</i> , 2017, 6, 1096-1102. | 3.8 | 11 |
| 13 | Cooperative Subunit Refolding of a Light Harvesting Protein through a Self-Chaperone Mechanism. <i>Angewandte Chemie</i> , 2017, 129, 8504-8508. | 2.0 | 3 |
| 14 | Non-linear Min protein interactions generate harmonics that signal mid-cell division in <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2017, 12, e0185947. | 2.5 | 4 |
| 15 | CLIC1 regulates dendritic cell antigen processing and presentation by modulating phagosome acidification and proteolysis. <i>Biology Open</i> , 2016, 5, 620-630. | 1.2 | 33 |
| 16 | Structural characterization suggests models for monomeric and dimeric forms of full-length ezrin. <i>Biochemical Journal</i> , 2016, 473, 2763-2782. | 3.7 | 27 |
| 17 | Interaction of Human Chloride Intracellular Channel Protein 1 (CLIC1) with Lipid Bilayers: A Fluorescence Study. <i>Biochemistry</i> , 2016, 55, 3825-3833. | 2.5 | 17 |
| 18 | Patterning of the MinD cell division protein in cells of arbitrary shape can be predicted using a heuristic dispersion relation. <i>AIMS Biophysics</i> , 2016, 3, 119-145. | 0.6 | 4 |

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| 19 | Vibronic Coupling and Excited State Coherence in Light Harvesting Proteins at Room Temperature. , 2016, , . | | 0 |
| 20 | Molecular Interactions of the Min Protein System Reproduce Spatiotemporal Patterning in Growing and Dividing Escherichia coli Cells. PLoS ONE, 2015, 10, e0128148. | 2.5 | 14 |
| 21 | Serum Levels of Human MIC-1/GDF15 Vary in a Diurnal Pattern, Do Not Display a Profile Suggestive of a Satiety Factor and Are Related to BMI. PLoS ONE, 2015, 10, e0133362. | 2.5 | 66 |
| 22 | Vibronic Resonances Facilitate Excited-State Coherence in Light-Harvesting Proteins at Room Temperature. Journal of Physical Chemistry Letters, 2015, 6, 4573-4580. | 4.6 | 46 |
| 23 | Polymersomes Prepared from Thermoresponsive Fluorescent Proteinâ€“Polymer Bioconjugates: Capture of and Report on Drug and Protein Payloads. Angewandte Chemie - International Edition, 2015, 54, 5317-5322. | 13.8 | 93 |
| 24 | Spectroscopic Studies of Cryptophyte Light Harvesting Proteins: Vibrations and Coherent Oscillations. Journal of Physical Chemistry B, 2015, 119, 10025-10034. | 2.6 | 50 |
| 25 | Motor properties from persistence: a linear molecular walker lacking spatial and temporal asymmetry. New Journal of Physics, 2015, 17, 055017. | 2.9 | 8 |
| 26 | Design and Construction of the Lawnmower, An Artificial Burnt-Bridges Motor. IEEE Transactions on Nanobioscience, 2015, 14, 305-312. | 3.3 | 13 |
| 27 | Members of the Chloride Intracellular Ion Channel Protein Family Demonstrate Glutaredoxin-Like Enzymatic Activity. PLoS ONE, 2015, 10, e115699. | 2.5 | 78 |
| 28 | Disentangling Electronic and Vibrational Coherence in the Phycocyanin-645 Light-Harvesting Complex. Springer Proceedings in Physics, 2015, , 591-594. | 0.2 | 0 |
| 29 | Ca ²⁺ -Induced PRE-NMR Changes in the Troponin Complex Reveal the Possessive Nature of the Cardiac Isoform for Its Regulatory Switch. PLoS ONE, 2014, 9, e112976. | 2.5 | 15 |
| 30 | Fluidic switching in nanochannels for the control of Inchworm: a synthetic biomolecular motor with a power stroke. Nanoscale, 2014, 6, 15008-15019. | 5.6 | 12 |
| 31 | Construction and Characterization of Kilobasepair Densely Labeled Peptide-DNA. Biomacromolecules, 2014, 15, 4065-4072. | 5.4 | 16 |
| 32 | Disentangling Electronic and Vibrational Coherence in the Phycocyanin-645 Light-Harvesting Complex. Journal of Physical Chemistry Letters, 2014, 5, 43-49. | 4.6 | 27 |
| 33 | Quantum Coherence and its Impact on Biomimetic Light-Harvesting. Australian Journal of Chemistry, 2014, 67, 729. | 0.9 | 2 |
| 34 | CLIC proteins, ezrin, radixin, moesin and the coupling of membranes to the actin cytoskeleton: A smoking gun?. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 643-657. | 2.6 | 59 |
| 35 | Light Driven Conformational Switching: An Approach to Creating Designed Protein Motion. Biophysical Journal, 2014, 106, 244a-245a. | 0.5 | 0 |
| 36 | Single-residue insertion switches the quaternary structure and exciton states of cryptophyte light-harvesting proteins. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2666-75. | 7.1 | 65 |

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|----|---|------|-----------|
| 37 | Metformin repositioning as antitumoral agent: selective antiproliferative effects in human glioblastoma stem cells, via inhibition of CLIC1-mediated ion current. <i>Oncotarget</i> , 2014, 5, 11252-11268. | 1.8 | 108 |
| 38 | Controlled microfluidic switching in arbitrary time-sequences with low drag. <i>Lab on A Chip</i> , 2013, 13, 2389. | 6.0 | 10 |
| 39 | Computational Analysis of the Soluble Form of the Intracellular Chloride Ion Channel Protein CLIC1. <i>BioMed Research International</i> , 2013, 2013, 1-14. | 1.9 | 5 |
| 40 | Selective Inhibition of Human Group IIA-secreted Phospholipase A2 (hGIIA) Signaling Reveals Arachidonic Acid Metabolism Is Associated with Colocalization of hGIIA to Vimentin in Rheumatoid Synoviocytes. <i>Journal of Biological Chemistry</i> , 2013, 288, 15269-15279. | 3.4 | 23 |
| 41 | Coherence dynamics in light-harvesting complexes with two-colour spectroscopy. <i>EPJ Web of Conferences</i> , 2013, 41, 08009. | 0.3 | 0 |
| 42 | Integron Gene Cassettes: A Repository of Novel Protein Folds with Distinct Interaction Sites. <i>PLoS ONE</i> , 2013, 8, e52934. | 2.5 | 11 |
| 43 | Regulation of the Membrane Insertion and Conductance Activity of the Metamorphic Chloride Intracellular Channel Protein CLIC1 by Cholesterol. <i>PLoS ONE</i> , 2013, 8, e56948. | 2.5 | 37 |
| 44 | Point Mutations in the Transmembrane Region of the Clic1 Ion Channel Selectively Modify Its Biophysical Properties. <i>PLoS ONE</i> , 2013, 8, e74523. | 2.5 | 21 |
| 45 | Design and Construction of a One-Dimensional DNA Track for an Artificial Molecular Motor. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-10. | 2.7 | 7 |
| 46 | Quantitative investigations of quantum coherence for a light-harvesting protein at conditions simulating photosynthesis. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 4857. | 2.8 | 158 |
| 47 | Intracellular chloride channel protein CLIC1 regulates macrophage functions via modulation of phagosomal acidification. <i>Journal of Cell Science</i> , 2012, 125, 5479-88. | 2.0 | 75 |
| 48 | Electronic coherence lineshapes reveal hidden excitonic correlations in photosynthetic light harvesting. <i>Nature Chemistry</i> , 2012, 4, 396-404. | 13.6 | 110 |
| 49 | Microfluidic Device for Controlled Fluid Switching to be used with Chemically Powered Molecular Motors on Surface Bound Tracks. <i>Biophysical Journal</i> , 2012, 102, 717a. | 0.5 | 0 |
| 50 | Coherent Vibronic Coupling in Light-Harvesting Complexes from Photosynthetic Marine Algae. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 272-277. | 4.6 | 61 |
| 51 | Squaring the Circle in Peptide Assembly: From Fibers to Discrete Nanostructures by <i>de Novo</i> Design. <i>Journal of the American Chemical Society</i> , 2012, 134, 15457-15467. | 13.7 | 87 |
| 52 | Excited state coherent dynamics in light-harvesting complexes from photosynthetic marine algae. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012, 45, 154015. | 1.5 | 16 |
| 53 | Transmembrane Extension and Oligomerization of the CLIC1 Chloride Intracellular Channel Protein upon Membrane Interaction. <i>Biochemistry</i> , 2011, 50, 10887-10897. | 2.5 | 43 |
| 54 | Flow of Excitation Energy in the Cryptophyte Light-Harvesting Antenna Phycocyanin 645. <i>Biophysical Journal</i> , 2011, 101, 1004-1013. | 0.5 | 41 |

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| 55 | Comparison of Electronic and Vibrational Coherence Measured by Two-Dimensional Electronic Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1904-1911. | 4.6 | 181 |
| 56 | Crystal Structure of an Integron Gene Cassette-Associated Protein from <i>Vibrio cholerae</i> Identifies a Cationic Drug-Binding Module. <i>PLoS ONE</i> , 2011, 6, e16934. | 2.5 | 13 |
| 57 | The RNA polymerase subunits E/F from the Antarctic archaeon <i>Methanococcoides burtonii</i> bind to specific species of mRNA. <i>Environmental Microbiology</i> , 2011, 13, 2039-2055. | 3.8 | 4 |
| 58 | Chaperonins from an Antarctic archaeon are predominantly monomeric: crystal structure of an open state monomer. <i>Environmental Microbiology</i> , 2011, 13, 2232-2249. | 3.8 | 9 |
| 59 | Crystal structure of importin β bound to a peptide bearing the nuclear localisation signal from chloride intracellular channel protein 4. <i>FEBS Journal</i> , 2011, 278, 1662-1675. | 4.7 | 23 |
| 60 | Molecular basis for specificity of nuclear import and prediction of nuclear localization. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011, 1813, 1562-1577. | 4.1 | 336 |
| 61 | Structural gymnastics of multifunctional metamorphic proteins. <i>Biophysical Reviews</i> , 2011, 3, 143-153. | 3.2 | 37 |
| 62 | Time-dependent motor properties of multipedal molecular spiders. <i>Physical Review E</i> , 2011, 84, 031111. | 2.1 | 29 |
| 63 | Tuning the performance of an artificial protein motor. <i>Physical Review E</i> , 2011, 84, 031922. | 2.1 | 9 |
| 64 | The enigma of the CLIC proteins: Ion channels, redox proteins, enzymes, scaffolding proteins?. <i>FEBS Letters</i> , 2010, 584, 2093-2101. | 2.8 | 160 |
| 65 | Generation and characterization of mice with null mutation of the chloride intracellular channel 1 gene. <i>Genesis</i> , 2010, 48, NA-NA. | 1.6 | 23 |
| 66 | Structure of human CLIC3 at 2 Å... resolution. <i>Proteins: Structure, Function and Bioinformatics</i> , 2010, 78, 1594-1600. | 2.6 | 25 |
| 67 | Coherently wired light-harvesting in photosynthetic marine algae at ambient temperature. <i>Nature</i> , 2010, 463, 644-647. | 27.8 | 1,392 |
| 68 | Arabidopsis AtSerp1, Crystal Structure and in Vivo Interaction with Its Target Protease RESPONSIVE TO DESICCATION-21 (RD21). <i>Journal of Biological Chemistry</i> , 2010, 285, 13550-13560. | 3.4 | 73 |
| 69 | S-Nitrosylation Regulates Nuclear Translocation of Chloride Intracellular Channel Protein CLIC4. <i>Journal of Biological Chemistry</i> , 2010, 285, 23818-23828. | 3.4 | 36 |
| 70 | Metamorphic Response of the CLIC1 Chloride Intracellular Ion Channel Protein upon Membrane Interaction. <i>Biochemistry</i> , 2010, 49, 5278-5289. | 2.5 | 34 |
| 71 | A novel approach for enhancing the catalytic efficiency of a protease at low temperature: Reduction in substrate inhibition by chemical modification. <i>Biotechnology and Bioengineering</i> , 2009, 103, 676-686. | 3.3 | 43 |
| 72 | Phycobiliprotein diffusion in chloroplasts of cryptophyte <i>Rhodomonas CS24</i> . <i>Photosynthesis Research</i> , 2009, 100, 7-17. | 2.9 | 12 |

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| 73 | NMR assignment of prespore specific antigenâ€”a cell surface adhesion glycoprotein from <i>Dictyostelium</i> sp. <i>Biomolecular NMR Assignments</i> , 2009, 3, 1-3. | 0.8 | 2 |
| 74 | Oxidation promotes insertion of the CLIC1 chloride intracellular channel into the membrane. <i>European Biophysics Journal</i> , 2009, 39, 129-138. | 2.2 | 58 |
| 75 | The Tumbleweed: Towards a synthetic protein motor. <i>HFSP Journal</i> , 2009, 3, 204-212. | 2.5 | 35 |
| 76 | Comparison of vertebrate and invertebrate CLIC proteins: The crystal structures of <i>Caenorhabditis elegans</i> CLIC4 and <i>Drosophila melanogaster</i> DmCLIC. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 71, 364-378. | 2.6 | 56 |
| 77 | Molecular mechanism of energy conservation in polysulfide respiration. <i>Nature Structural and Molecular Biology</i> , 2008, 15, 730-737. | 8.2 | 147 |
| 78 | Phycocyanin Sensitizes both Photosystem I and Photosystem II in Cryptophyte <i>Chroomonas CCMP270</i> Cells. <i>Biophysical Journal</i> , 2008, 94, 2423-2433. | 0.5 | 25 |
| 79 | Crystal Structure of Lsm3 Octamer from <i>Saccharomyces cerevisiae</i> : Implications for Lsm Ring Organisation and Recruitment. <i>Journal of Molecular Biology</i> , 2008, 377, 1357-1371. | 4.2 | 29 |
| 80 | CLIC1 Function Is Required for β -Amyloid-Induced Generation of Reactive Oxygen Species by Microglia. <i>Journal of Neuroscience</i> , 2008, 28, 11488-11499. | 3.6 | 133 |
| 81 | Structural Genomics of the Bacterial Mobile Metagenome: an Overview. <i>Methods in Molecular Biology</i> , 2008, 426, 589-595. | 0.9 | 7 |
| 82 | Structure and Function of Cold Shock Proteins in Archaea. <i>Journal of Bacteriology</i> , 2007, 189, 5738-5748. | 2.2 | 70 |
| 83 | Structure of the Janus Protein Human CLIC2. <i>Journal of Molecular Biology</i> , 2007, 374, 719-731. | 4.2 | 64 |
| 84 | A putative housekeeping enzyme encoded within an integron array: 1.8 Å crystal structure defines a new MazG subtype. <i>Molecular Microbiology</i> , 2007, 66, 610-621. | 2.5 | 20 |
| 85 | Ultrafast light harvesting dynamics in the cryptophyte phycocyanin 645. <i>Photochemical and Photobiological Sciences</i> , 2007, 6, 964-975. | 2.9 | 62 |
| 86 | How Energy Funnel from the Phycoerythrin Antenna Complex to Photosystem I and Photosystem II in Cryptophyte <i>Rhodomonas CS24</i> Cells. <i>Journal of Physical Chemistry B</i> , 2006, 110, 25066-25073. | 2.6 | 52 |
| 87 | An Atomic Model of the Thin Filament in the Relaxed and Ca ²⁺ -Activated States. <i>Journal of Molecular Biology</i> , 2006, 357, 707-717. | 4.2 | 130 |
| 88 | Role of lysine versus arginine in enzyme cold-adaptation: Modifying lysine to homo-arginine stabilizes the cold-adapted α -amylase from <i>Pseudoalteromonas haloplanktis</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2006, 64, 486-501. | 2.6 | 65 |
| 89 | The photophysics of cryptophyte light-harvesting. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 184, 1-17. | 3.9 | 88 |
| 90 | Crystal structure of the soluble form of the redox-regulated chloride ion channel protein CLIC4. <i>FEBS Journal</i> , 2005, 272, 4996-5007. | 4.7 | 112 |

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| 91 | Predicted Roles for Hypothetical Proteins in the Low-Temperature Expressed Proteome of the Antarctic Archaeon <i>Methanococcoides burtonii</i> . <i>Journal of Proteome Research</i> , 2005, 4, 464-472. | 3.7 | 34 |
| 92 | Mediation of Ultrafast Light-Harvesting by a Central Dimer in Phycoerythrin 545 Studied by Transient Absorption and Global Analysis. <i>Journal of Physical Chemistry B</i> , 2005, 109, 14219-14226. | 2.6 | 31 |
| 93 | Solution Structure of the Chicken Skeletal Muscle Troponin Complex Via Small-angle Neutron and X-ray Scattering. <i>Journal of Molecular Biology</i> , 2005, 345, 797-815. | 4.2 | 52 |
| 94 | Integron-associated Mobile Gene Cassettes Code for Folded Proteins: The Structure of Bal32a, a New Member of the Adaptable β -Barrel Family. <i>Journal of Molecular Biology</i> , 2005, 346, 1229-1241. | 4.2 | 20 |
| 95 | Plasminogen Activator Inhibitor-2 is Highly Tolerant to P8 Residue Substitution—Implications for Serpin Mechanistic Model and Prediction of nsSNP Activities. <i>Journal of Molecular Biology</i> , 2005, 353, 1069-1080. | 4.2 | 7 |
| 96 | The Intracellular Chloride Ion Channel Protein CLIC1 Undergoes a Redox-controlled Structural Transition. <i>Journal of Biological Chemistry</i> , 2004, 279, 9298-9305. | 3.4 | 192 |
| 97 | Involvement of the Intracellular Ion Channel CLIC1 in Microglia-Mediated $\text{A}\beta$ -Amyloid-Induced Neurotoxicity. <i>Journal of Neuroscience</i> , 2004, 24, 5322-5330. | 3.6 | 104 |
| 98 | An online database for the detection of novel archaeal sequences in human ESTs. <i>Bioinformatics</i> , 2004, 20, 2361-2362. | 4.1 | 1 |
| 99 | A proteomic determination of cold adaptation in the Antarctic archaeon, <i>Methanococcoides burtonii</i> . <i>Molecular Microbiology</i> , 2004, 53, 309-321. | 2.5 | 146 |
| 100 | Myosin binding protein C: Structural abnormalities in familial hypertrophic cardiomyopathy. <i>Cell Research</i> , 2004, 14, 95-110. | 12.0 | 53 |
| 101 | Serpins in Unicellular Eukarya, Archaea, and Bacteria: Sequence Analysis and Evolution. <i>Journal of Molecular Evolution</i> , 2004, 59, 437-447. | 1.8 | 53 |
| 102 | Response to William Martin's letter. <i>BioEssays</i> , 2004, 26, 593-593. | 2.5 | 5 |
| 103 | Developing a Structure-Function Model for the Cryptophyte Phycoerythrin 545 Using Ultrahigh Resolution Crystallography and Ultrafast Laser Spectroscopy. <i>Journal of Molecular Biology</i> , 2004, 344, 135-153. | 4.2 | 117 |
| 104 | Pathogenic archaea: do they exist?. <i>BioEssays</i> , 2003, 25, 1119-1128. | 2.5 | 98 |
| 105 | Homomeric Ring Assemblies of Eukaryotic Sm Proteins Have Affinity for Both RNA and DNA. <i>Journal of Biological Chemistry</i> , 2003, 278, 17291-17298. | 3.4 | 29 |
| 106 | Mechanisms of Thermal Adaptation Revealed From the Genomes of the Antarctic Archaea <i>Methanogenium frigidum</i> and <i>Methanococcoides burtonii</i> . <i>Genome Research</i> , 2003, 13, 1580-1588. | 5.5 | 246 |
| 107 | Recombinant CLIC1 (NCC27) Assembles in Lipid Bilayers via a pH-dependent Two-state Process to Form Chloride Ion Channels with Identical Characteristics to Those Observed in Chinese Hamster Ovary Cells Expressing CLIC1. <i>Journal of Biological Chemistry</i> , 2002, 277, 26003-26011. | 3.4 | 110 |
| 108 | In Vivo Protein Cyclization Promoted by a Circularly Permuted <i>Synechocystis</i> sp. PCC6803 DnaB Mini-intein. <i>Journal of Biological Chemistry</i> , 2002, 277, 7790-7798. | 3.4 | 66 |

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| 109 | Twist and shear in β^2 -sheets and β^2 -ribbons. <i>Journal of Molecular Biology</i> , 2002, 317, 291-308. | 4.2 | 108 |
| 110 | Crystal structure of a heptameric Sm-like protein complex from archaea: implications for the structure and evolution of snRNPs. <i>Journal of Molecular Biology</i> , 2001, 309, 915-923. | 4.2 | 87 |
| 111 | Interaction between the P14 Residue and Strand 2 of β^2 -Sheet B Is Critical for Reactive Center Loop Insertion in Plasminogen Activator Inhibitor-2. <i>Journal of Biological Chemistry</i> , 2001, 276, 43383-43389. | 3.4 | 11 |
| 112 | Crystal Structure of the Complex of Plasminogen Activator Inhibitor 2 with a Peptide Mimicking the Reactive Center Loop. <i>Journal of Biological Chemistry</i> , 2001, 276, 43374-43382. | 3.4 | 25 |
| 113 | Crystal Structure of a Soluble Form of the Intracellular Chloride Ion Channel CLIC1 (NCC27) at 1.4-Å... Resolution. <i>Journal of Biological Chemistry</i> , 2001, 276, 44993-45000. | 3.4 | 180 |
| 114 | Cold stress response in Archaea. <i>Extremophiles</i> , 2000, 4, 321-331. | 2.3 | 115 |
| 115 | The transition between the open and closed states of rubisco is triggered by the inter-phosphate distance of the bound bisphosphate. <i>Journal of Molecular Biology</i> , 2000, 298, 903-916. | 4.2 | 109 |
| 116 | Dictyostelium discoideum as Expression Host: Isotopic Labeling of a Recombinant Glycoprotein for NMR Studies. <i>Protein Expression and Purification</i> , 2000, 19, 335-342. | 1.3 | 20 |
| 117 | Biased Monte Carlo optimization of protein sequences. <i>Journal of Chemical Physics</i> , 2000, 113, 2489-2496. | 3.0 | 19 |
| 118 | Automated Protein Design and Sequence Optimisation Scoring Functions and the Search Problem. <i>Current Protein and Peptide Science</i> , 2000, 1, 255-271. | 1.4 | 4 |
| 119 | Evolution of a light-harvesting protein by addition of new subunits and rearrangement of conserved elements: Crystal structure of a cryptophyte phycoerythrin at 1.63-Å resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 8901-8906. | 7.1 | 124 |
| 120 | The crystal structure of plasminogen activator inhibitor 2 at 2.0 Å... resolution: implications for serpin function. <i>Structure</i> , 1999, 7, 43-54. | 3.3 | 53 |
| 121 | Computational studies on mutant protein stability: The correlation between surface thermal expansion and protein stability. <i>Protein Science</i> , 1999, 8, 913-920. | 7.6 | 12 |
| 122 | Recombinant Prespore-Specific Antigen from Dictyostelium discoideum is a beta-sheet Glycoprotein with a Spacer Peptide Modified by O-linked N-acetylglucosamine. <i>FEBS Journal</i> , 1996, 238, 511-518. | 0.2 | 26 |
| 123 | An analysis of side chain interactions and pair correlations within antiparallel β^2 -sheets: The differences between backbone hydrogen-bonded and non-hydrogen-bonded residue pairs. <i>Proteins: Structure, Function and Bioinformatics</i> , 1995, 22, 119-131. | 2.6 | 236 |
| 124 | Crystal structure of activated tobacco rubisco complexed with the reaction intermediate analogue 2- ϵ -carboxy- ϵ -arabinitol 1, 5- ϵ -bisphosphate. <i>Protein Science</i> , 1993, 2, 1136-1146. | 7.6 | 61 |
| 125 | Formation of the active site of ribulose-1,5-bisphosphate carboxylase/oxygenase by a disorder-order transition from the unactivated to the activated form.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 9968-9972. | 7.1 | 64 |
| 126 | The crystal structure of diphtheria toxin. <i>Nature</i> , 1992, 357, 216-222. | 27.8 | 702 |

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|-----|--|------|-----------|
| 127 | Neutron diffraction intensities from arrays of isotopically substituted particles in an invisible matrix. <i>Journal of Applied Crystallography</i> , 1991, 24, 312-315. | 4.5 | 1 |
| 128 | Comparison of the structure of myosin subfragment 1 bound to actin and free in solution. <i>Journal of Molecular Biology</i> , 1988, 203, 781-798. | 4.2 | 43 |
| 129 | Tertiary structure of plant RuBisCO: domains and their contacts. <i>Science</i> , 1988, 241, 71-74. | 12.6 | 161 |
| 130 | Actin tube formation: effects of variations in commonly used solvent conditions. <i>Journal of Muscle Research and Cell Motility</i> , 1984, 5, 423-430. | 2.0 | 7 |
| 131 | A re-investigation of actin monomer conformation under polymerizing conditions based on rates of enzymatic digestion and ultraviolet difference spectroscopy. <i>BBA - Proteins and Proteomics</i> , 1983, 748, 220-229. | 2.1 | 9 |
| 132 | Conformational Studies of G-Actin Containing Bound Lanthanide. <i>FEBS Journal</i> , 1982, 122, 239-244. | 0.2 | 25 |
| 133 | Differences between skeletal muscle actin from rabbit and pig. <i>Micron (1969)</i> , 1982, 13, 379-380. | 0.1 | 0 |
| 134 | Electron diffraction and computed fourier transform study of lanthanide actin microcrystals. <i>Micron (1969)</i> , 1982, 13, 383-384. | 0.1 | 0 |
| 135 | Crystalline actin tubes. <i>Biochimica Et Biophysica Acta (BBA) - Protein Structure</i> , 1981, 671, 25-32. | 1.7 | 6 |
| 136 | SELECTIVE PROPERTIES OF ROUGH SPUTTERED FILMS. <i>Journal De Physique Colloque</i> , 1981, 42, C1-87-C1-103. | 0.2 | 1 |
| 137 | Surface texturing of copper by sputter etching with applications for solar selective absorbing surfaces. <i>Journal of Vacuum Science and Technology</i> , 1980, 17, 1320-1325. | 1.9 | 17 |