

R Andrew Atkinson

List of Publications by Year in descending order

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82
papers

2,449
citations

185998

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47
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86
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docs citations

86
times ranked

3394
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Three-dimensional structure of echistatin, the smallest active RGD protein. <i>Biochemistry</i> , 1991, 30, 7369-7372. | 1.2 | 215 |
| 2 | TCTP protects from apoptotic cell death by antagonizing bax function. <i>Cell Death and Differentiation</i> , 2008, 15, 1211-1220. | 5.0 | 184 |
| 3 | Structural and Functional Analysis of E6 Oncoprotein: Insights in the Molecular Pathways of Human Papillomavirus-Mediated Pathogenesis. <i>Molecular Cell</i> , 2006, 21, 665-678. | 4.5 | 162 |
| 4 | Solution Structure Analysis of the HPV16 E6 Oncoprotein Reveals a Self-Association Mechanism Required for E6-Mediated Degradation of p53. <i>Structure</i> , 2012, 20, 604-617. | 1.6 | 104 |
| 5 | Mechanism and consequence of the autoactivation of p38 $\hat{\pm}$ mitogen-activated protein kinase promoted by TAB1. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 1182-1190. | 3.6 | 95 |
| 6 | The assembly of immunoglobulin-like modules in titin: implications for muscle elasticity. <i>Journal of Molecular Biology</i> , 1998, 284, 761-777. | 2.0 | 78 |
| 7 | Conformational Flexibility Determines Selectivity and Antibacterial, Antiplasmodial, and Anticancer Potency of Cationic $\hat{\pm}$ -Helical Peptides*. <i>Journal of Biological Chemistry</i> , 2012, 287, 34120-34133. | 1.6 | 78 |
| 8 | Ca ²⁺ -independent binding of an EF-hand domain to a novel motif in the alpha-actinin-titin complex. <i>Nature Structural Biology</i> , 2001, 8, 853-857. | 9.7 | 76 |
| 9 | Proton NMR and circular dichroism studies of the N-terminal domain of cyclic GMP dependent protein kinase: a leucine/isoleucine zipper. <i>Biochemistry</i> , 1991, 30, 9387-9395. | 1.2 | 71 |
| 10 | Synergic interplay of the La motif, RRM1 and the interdomain linker of LARP6 in the recognition of collagen mRNA expands the RNA binding repertoire of the La module. <i>Nucleic Acids Research</i> , 2015, 43, 645-660. | 6.5 | 68 |
| 11 | Microbial functional change is linked with clinical outcomes after capsular fecal transplant in cirrhosis. <i>JCI Insight</i> , 2019, 4, . | 2.3 | 49 |
| 12 | Binding of $\hat{\pm}$ -Actinin to Titin: Implications for Z-Disk Assembly. <i>Biochemistry</i> , 2000, 39, 5255-5264. | 1.2 | 47 |
| 13 | Conformational study of cyclo[D-Trp-D-Asp-Pro-D-Val-Leu], an endothelin-A receptor-selective antagonist. <i>FEBS Letters</i> , 1992, 296, 1-6. | 1.3 | 46 |
| 14 | Solution structure of the kringle 4 domain from human plasminogen by 1H nuclear magnetic resonance spectroscopy and distance geometry. <i>Journal of Molecular Biology</i> , 1990, 212, 541-552. | 2.0 | 45 |
| 15 | Solution Structure of ZASP PDZ Domain. <i>Structure</i> , 2004, 12, 611-622. | 1.6 | 45 |
| 16 | The role of protein motions in molecular recognition: insights from heteronuclear NMR relaxation measurements. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2004, 44, 141-187. | 3.9 | 44 |
| 17 | The secondary structure of echistatin from 1H-NMR, circular-dichroism and Raman spectroscopy. <i>FEBS Journal</i> , 1991, 202, 329-338. | 0.2 | 43 |
| 18 | The Structural and Dynamic Response of MAGI-1 PDZ1 with Noncanonical Domain Boundaries to the Binding of Human Papillomavirus E6. <i>Journal of Molecular Biology</i> , 2011, 406, 745-763. | 2.0 | 43 |

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|----|--|-----|-----------|
| 19 | Bacterial Iron Transport: ¹ H NMR Determination of the Three-Dimensional Structure of the Gallium Complex of Pyoverdin G4R, the Peptidic Siderophore of <i>Pseudomonas putida</i> G4R. <i>Biochemistry</i> , 1998, 37, 15965-15973. | 1.2 | 42 |
| 20 | A Structural Characterization of the Interactions between Titin Z-Repeats and the α -Actinin C-Terminal Domain. <i>Biochemistry</i> , 2001, 40, 4957-4965. | 1.2 | 41 |
| 21 | Structural and Dynamic Characterization of β -Conotoxin MVIIA: The Binding Loop Exhibits Slow Conformational Exchange. <i>Biochemistry</i> , 2000, 39, 3908-3919. | 1.2 | 40 |
| 22 | The Asymmetric Binding of PGC-1 α to the ERR α and ERR β Nuclear Receptor Homodimers Involves a Similar Recognition Mechanism. <i>PLoS ONE</i> , 2013, 8, e67810. | 1.1 | 34 |
| 23 | Topological mirror images in protein structure computation: An underestimated problem. <i>Proteins: Structure, Function and Bioinformatics</i> , 1991, 10, 22-32. | 1.5 | 33 |
| 24 | Conformational Studies of Osteocalcin in Solution. <i>FEBS Journal</i> , 1995, 232, 515-521. | 0.2 | 32 |
| 25 | Effects of temperature on the dynamic behaviour of the HIV-1 nucleocapsid NCp7 and its DNA complex. <i>Journal of Molecular Biology</i> , 2002, 316, 611-627. | 2.0 | 31 |
| 26 | Solution Structure and Self-association Properties of the p8 TFIIH Subunit Responsible for Trichothiodystrophy. <i>Journal of Molecular Biology</i> , 2007, 368, 473-480. | 2.0 | 31 |
| 27 | Metabolomic and lipidomic plasma profile changes in human participants ascending to Everest Base Camp. <i>Scientific Reports</i> , 2019, 9, 2297. | 1.6 | 31 |
| 28 | Echistatin: the refined structure of a disintegrin in solution by ¹ H NMR and restrained molecular dynamics. <i>International Journal of Peptide and Protein Research</i> , 1994, 43, 563-572. | 0.1 | 29 |
| 29 | The structural plasticity of SCA7 domains defines their differential nucleosome-binding properties. <i>EMBO Reports</i> , 2010, 11, 612-618. | 2.0 | 28 |
| 30 | Domain Architecture of the p62 Subunit from the Human Transcription/Repair Factor TFIIH Deduced by Limited Proteolysis and Mass Spectrometry Analysis. <i>Biochemistry</i> , 2004, 43, 14420-14430. | 1.2 | 26 |
| 31 | Minor sequence modifications in temporin B cause drastic changes in antibacterial potency and selectivity by fundamentally altering membrane activity. <i>Scientific Reports</i> , 2019, 9, 1385. | 1.6 | 26 |
| 32 | Identification and description of α -helical regions in horse muscle acylphosphatase by ¹ H nuclear magnetic resonance spectroscopy. <i>Journal of Molecular Biology</i> , 1989, 205, 229-239. | 2.0 | 23 |
| 33 | LARP4A recognizes polyA RNA via a novel binding mechanism mediated by disordered regions and involving the PAM2w motif, revealing interplay between PABP, LARP4A and mRNA. <i>Nucleic Acids Research</i> , 2019, 47, 4272-4291. | 6.5 | 23 |
| 34 | Two-dimensional NMR as a probe of structural similarity applied to mutants of cytochrome c. <i>FEBS Journal</i> , 1988, 177, 179-185. | 0.2 | 23 |
| 35 | ⁷ Li Nuclear Magnetic Resonance Study of Lithium Binding to <i>Myo</i> -inositol Monophosphatase. <i>FEBS Journal</i> , 1996, 240, 288-291. | 0.2 | 22 |
| 36 | Temporin L and aurein 2.5 have identical conformations but subtly distinct membrane and antibacterial activities. <i>Scientific Reports</i> , 2019, 9, 10934. | 1.6 | 22 |

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| 37 | The Structure-Activity Relationship of Ferric Pyoverdine Bound to Its Outer Membrane Transporter: Implications for the Mechanism of Iron Uptake. <i>Biochemistry</i> , 2005, 44, 14069-14079. | 1.2 | 21 |
| 38 | Dynamics and Metal Exchange Properties of C4C4 RING Domains from CNOT4 and the p44 Subunit of TFIIF. <i>Journal of Molecular Biology</i> , 2005, 349, 621-637. | 2.0 | 21 |
| 39 | Multiple Conformations of the Metal-Bound Pyoverdine PvdI, a Siderophore of <i>Pseudomonas aeruginosa</i> : A Nuclear Magnetic Resonance Study. <i>Biochemistry</i> , 2008, 47, 3397-3406. | 1.2 | 19 |
| 40 | Solution Structure of RING Finger-like Domain of Retinoblastoma-binding Protein-6 (RBBP6) Suggests It Functions as a U-box. <i>Journal of Biological Chemistry</i> , 2012, 287, 7146-7158. | 1.6 | 18 |
| 41 | Human physiological and metabolic responses to an attempted winter crossing of Antarctica: the effects of prolonged hypobaric hypoxia. <i>Physiological Reports</i> , 2018, 6, e13613. | 0.7 | 18 |
| 42 | Biochemical and NMR Mapping of the Interface between CREB-binding Protein and Ligand Binding Domains of Nuclear Receptor. <i>Journal of Biological Chemistry</i> , 2005, 280, 5682-5692. | 1.6 | 17 |
| 43 | ¹ H and ¹⁵ N resonance assignment, secondary structure and dynamic behaviour of the C-terminal domain of human papillomavirus oncoprotein E6. <i>Journal of Biomolecular NMR</i> , 2005, 31, 129-141. | 1.6 | 16 |
| 44 | Defining the minimal interacting regions of the tight junction protein MAGI-1 and HPV16 E6 oncoprotein for solution structure studies. <i>Protein Expression and Purification</i> , 2008, 60, 64-73. | 0.6 | 16 |
| 45 | ¹⁵ -deoxy- ¹² ,14-Prostaglandin J2 inhibits human soluble epoxide hydrolase by a dual orthosteric and allosteric mechanism. <i>Communications Biology</i> , 2019, 2, 188. | 2.0 | 16 |
| 46 | The Three-Dimensional Structure of the Gallium Complex of Azoverdin, a Siderophore of <i>Azomonas macrocytogenes</i> ATCC 12334, Determined by NMR Using Residual Dipolar Coupling Constants. <i>Biochemistry</i> , 2002, 41, 12488-12497. | 1.2 | 15 |
| 47 | The direct determination of protein structure by NMR without assignment. <i>FEBS Letters</i> , 2002, 510, 1-4. | 1.3 | 15 |
| 48 | Proteomic and metabolomic changes driven by elevating myocardial creatine suggest novel metabolic feedback mechanisms. <i>Amino Acids</i> , 2016, 48, 1969-1981. | 1.2 | 15 |
| 49 | Conformational Studies of Osteocalcin in Solution. <i>FEBS Journal</i> , 1995, 232, 515-521. | 0.2 | 14 |
| 50 | Biophysical characterization of an indolinone inhibitor in the ATP-binding site of DNA gyrase. <i>Biochemical and Biophysical Research Communications</i> , 2006, 349, 1206-1213. | 1.0 | 14 |
| 51 | Engineering, Biophysical Characterisation and Binding Properties of a Soluble Mutant form of Annexin A2 Domain IV that Adopts a Partially Folded Conformation. <i>Journal of Molecular Biology</i> , 2006, 363, 469-481. | 2.0 | 14 |
| 52 | A pleurocidin analogue with greater conformational flexibility, enhanced antimicrobial potency and in vivo therapeutic efficacy. <i>Communications Biology</i> , 2020, 3, 697. | 2.0 | 14 |
| 53 | Metabolomics and microbial composition increase insight into the impact of dietary differences in cirrhosis. <i>Liver International</i> , 2020, 40, 416-427. | 1.9 | 13 |
| 54 | NMR in the SPINE Structural Proteomics project. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2006, 62, 1150-1161. | 2.5 | 12 |

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| 55 | Structural and Functional Insights into Bacillus subtilis Sigma Factor Inhibitor, CsfB. Structure, 2018, 26, 640-648.e5. | 1.6 | 12 |
| 56 | Mapping the active site of factor Xa by selective inhibitors: An NMR and MD study. , 1998, 30, 264-274. | | 11 |
| 57 | Organocatalytic Access to a <i>cis</i> -Cyclopentyl- β -amino Acid: An Intriguing Model of Selectivity and Formation of a Stable 10/12-Helix from the Corresponding β -Peptide. Journal of the American Chemical Society, 2020, 142, 1382-1393. | 6.6 | 11 |
| 58 | Disorder-To-Order Transition of MAGI-1 PDZ1 C-Terminal Extension upon Peptide Binding: Thermodynamic and Dynamic Insights. Biochemistry, 2015, 54, 1327-1337. | 1.2 | 10 |
| 59 | Reduced spectral density mapping for proteins: Validity for studies of ^{13}C relaxation. Journal of Biomolecular NMR, 1999, 13, 83-88. | 1.6 | 8 |
| 60 | Insight into the HIV-1 Vif SOCS-box ϵ -ElonginBC interaction. Open Biology, 2013, 3, 130100. | 1.5 | 8 |
| 61 | Stimulation of cGMP-dependent protein kinase alpha by a peptide from its own sequence. An investigation by enzymology, circular dichroism and ^1H NMR of the activity and structure of cGMP-dependent protein kinase alpha-(546-576)-peptide amide. FEBS Journal, 1994, 221, 581-593. | 0.2 | 7 |
| 62 | Direct fitting of structure and chemical shift to NMR spectra. Journal of the Chemical Society, Faraday Transactions, 1997, 93, 3319-3323. | 1.7 | 7 |
| 63 | A low-temperature heteronuclear NMR study of two exchanging conformations of metal-bound pyoverdine PaA from <i>Pseudomonas aeruginosa</i> . Biopolymers, 2005, 79, 139-149. | 1.2 | 7 |
| 64 | Automated overexpression and isotopic labelling of biologically active oncoproteins in the cyanobacterium <i>Anabaena</i> sp. PCC 7120. Biotechnology and Applied Biochemistry, 2008, 51, 53. | 1.4 | 7 |
| 65 | Two-dimensional NMR as a probe of structural similarity applied to mutants of cytochrome <i>c</i> . FEBS Journal, 1988, 177, 179-185. | 0.2 | 6 |
| 66 | One-step, kit-based radiopharmaceuticals for molecular SPECT imaging: a versatile diphosphine chelator for $^{99\text{m}}\text{Tc}$ radiolabelling of peptides. Dalton Transactions, 2021, 50, 16156-16165. | 1.6 | 6 |
| 67 | ^{13}C , ^{15}N and ^1H Resonance Assignment of the PDZ1 domain of MAGI-1 using QUASI. Journal of Biomolecular NMR, 2006, 36, 33-33. | 1.6 | 5 |
| 68 | Resonance assignment of human LARP4A La module. Biomolecular NMR Assignments, 2019, 13, 169-172. | 0.4 | 4 |
| 69 | Assignment of the ^1H , ^{13}C and ^{15}N resonances of the C-terminal EF-hands of alpha-actinin in a 14 kDa complex with Z-repeat 7 of titin. Journal of Biomolecular NMR, 2000, 16, 277-278. | 1.6 | 3 |
| 70 | QUASI: Quick Access to Spectral Interpretation. Comptes Rendus Chimie, 2004, 7, 335-341. | 0.2 | 3 |
| 71 | Controlling the dynamics of the Nek2 leucine zipper by engineering of ϵ -kinetic ϵ -disulphide bonds. PLoS ONE, 2019, 14, e0210352. | 1.1 | 3 |
| 72 | Dipeptide inhibitors of the prostate specific membrane antigen (PSMA): A comparison of urea and thiourea derivatives. Bioorganic and Medicinal Chemistry Letters, 2021, 42, 128044. | 1.0 | 3 |

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| 73 | A NMR and MD study of the active site of factor Xa by selective inhibitors. Journal De Chimie Physique Et De Physico-Chimie Biologique, 1998, 95, 443-446. | 0.2 | 2 |
| 74 | Thirty-Fourth Annual Meeting February 18â€“22, 1990 Baltimore Convention Center Baltimore, Maryland. Biophysical Journal, 1990, 57, 325a-365a. | 0.2 | 1 |
| 75 | ¹ H, ¹⁵ N and ¹³ C chemical shift assignments of the La motif and RRM1 from human LARP6. Biomolecular NMR Assignments, 2015, 9, 337-340. | 0.4 | 1 |
| 76 | THU-052-Immunometabolic profiling of ascites from patients with acute-on-chronic liver failure reveals increased MerTK+ immunosuppressive myeloid cells and cell death markers with preferential lipid metabolism compared to cirrhosis without organ failure. Journal of Hepatology, 2019, 70, e183. | 1.8 | 1 |
| 77 | AMPK is a Mechano-Metabolic Sensor Linking Mitochondrial Dynamics to Myosin II Dependent Cell Migration. SSRN Electronic Journal, 0, , . | 0.4 | 1 |
| 78 | NMR of proteins and nucleic acids. Nuclear Magnetic Resonance, 2020, , 250-271. | 0.1 | 1 |
| 79 | N.m.r. structural studies on the tyrosine kinase domain of the human insulin receptor. Biochemical Society Transactions, 1989, 17, 899-899. | 1.6 | 0 |
| 80 | PS-082-Plasma metabolomic changes modulate the impact of Middle Eastern versus Western Diet in an international cirrhosis cohort. Journal of Hepatology, 2019, 70, e52-e53. | 1.8 | 0 |
| 81 | The Direct Determination of Protein Structure from Multidimensional NMR Spectra without Assignment. , 1996, , 49-55. | | 0 |
| 82 | The Investigation of Protein Dynamics Via the Spectral Density Function. , 1998, , 129-145. | | 0 |