

Nicholas H Keep

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

3,927
citations

136740

32
h-index

189595

50
g-index

51
all docs

51
docs citations

51
times ranked

4560
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | How coenzyme B12 radicals are generated: the crystal structure of methylmalonyl-coenzyme A mutase at 2 Å resolution. <i>Structure</i> , 1996, 4, 339-350. | 1.6 | 493 |
| 2 | Crystal Structures of β -Crystallin Domain Dimers of α -B-Crystallin and Hsp20. <i>Journal of Molecular Biology</i> , 2009, 392, 1242-1252. | 2.0 | 262 |
| 3 | Characterisation of <i>Bombyx mori</i> Odorant-binding Proteins Reveals that a General Odorant-binding Protein Discriminates Between Sex Pheromone Components. <i>Journal of Molecular Biology</i> , 2009, 389, 529-545. | 2.0 | 246 |
| 4 | The GDP-GTP Exchange Factor Collybistin: An Essential Determinant of Neuronal Gephyrin Clustering. <i>Journal of Neuroscience</i> , 2004, 24, 5816-5826. | 1.7 | 239 |
| 5 | Human BRCA1-BARD1 ubiquitin ligase activity counteracts chromatin barriers to DNA resection. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 647-655. | 3.6 | 222 |
| 6 | Chronic granulomatous disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1994, 1227, 1-24. | 1.8 | 203 |
| 7 | The structure of the N-terminal actin-binding domain of human dystrophin and how mutations in this domain may cause Duchenne or Becker muscular dystrophy. <i>Structure</i> , 2000, 8, 481-491. | 1.6 | 152 |
| 8 | The structure of a resuscitation-promoting factor domain from <i>Mycobacterium tuberculosis</i> shows homology to lysozymes. <i>Nature Structural and Molecular Biology</i> , 2005, 12, 270-273. | 3.6 | 131 |
| 9 | Cell wall peptidoglycan in <i>Mycobacterium tuberculosis</i> : An Achilles' heel for the TB-causing pathogen. <i>FEMS Microbiology Reviews</i> , 2019, 43, 548-575. | 3.9 | 131 |
| 10 | Wake up! Peptidoglycan lysis and bacterial non-growth states. <i>Trends in Microbiology</i> , 2006, 14, 271-276. | 3.5 | 126 |
| 11 | A modulator of rho family G proteins, rhoGDI, binds these G proteins via an immunoglobulin-like domain and a flexible N-terminal arm. <i>Structure</i> , 1997, 5, 623-633. | 1.6 | 114 |
| 12 | Crystal Structure of R120G Disease Mutant of Human β -Crystallin Domain Dimer Shows Closure of a Groove. <i>Journal of Molecular Biology</i> , 2011, 408, 118-134. | 2.0 | 106 |
| 13 | Genetic analysis of BRCA1 ubiquitin ligase activity and its relationship to breast cancer susceptibility. <i>Human Molecular Genetics</i> , 2006, 15, 599-606. | 1.4 | 96 |
| 14 | Crystal structure of the actin-binding region of utrophin reveals a head-to-tail dimer. <i>Structure</i> , 1999, 7, 1539-1546. | 1.6 | 92 |
| 15 | Dodecameric Structure of the Small Heat Shock Protein Acr1 from <i>Mycobacterium tuberculosis</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 33419-33425. | 1.6 | 91 |
| 16 | The 2.7 Å... Crystal Structure of the Activated FERM Domain of Moesin: An Analysis of Structural Changes on Activation. <i>Biochemistry</i> , 2001, 40, 7061-7068. | 1.2 | 82 |
| 17 | Crystal Structures and Binding Dynamics of Odorant-Binding Protein 3 from two aphid species <i>Megoura viciae</i> and <i>Nasonovia ribisnigri</i> . <i>Scientific Reports</i> , 2016, 6, 24739. | 1.6 | 79 |
| 18 | Mapping the binding site for the GTP-binding protein Rac-1 on its inhibitor RhoGDI-1. <i>Structure</i> , 2000, 8, 47-56. | 1.6 | 74 |

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|----|--|-----|-----------|
| 19 | Characterisation of ATP-Dependent Mur Ligases Involved in the Biogenesis of Cell Wall Peptidoglycan in <i>Mycobacterium tuberculosis</i> . <i>PLoS ONE</i> , 2013, 8, e60143. | 1.1 | 71 |
| 20 | The X-ray Crystal Structure and Putative Ligand-derived Peptide Binding Properties of \hat{I}^3 -Aminobutyric Acid Receptor Type A Receptor-associated Protein. <i>Journal of Biological Chemistry</i> , 2002, 277, 5556-5561. | 1.6 | 67 |
| 21 | Pictetâ€™Spenglerases in alkaloid biosynthesis: Future applications in biocatalysis. <i>Current Opinion in Chemical Biology</i> , 2020, 55, 69-76. | 2.8 | 66 |
| 22 | Structure of the utrophin actin-binding domain bound to F-actin reveals binding by an induced fit mechanism. <i>Journal of Molecular Biology</i> , 2000, 297, 465-480. | 2.0 | 62 |
| 23 | Resuscitation-promoting factors possess a lysozyme-like domain. <i>Trends in Biochemical Sciences</i> , 2004, 29, 7-10. | 3.7 | 60 |
| 24 | â€™Dopamineâ€™firstâ€™ mechanism enables the rational engineering of the norcoclaurine synthase aldehyde activity profile. <i>FEBS Journal</i> , 2015, 282, 1137-1151. | 2.2 | 60 |
| 25 | Dbl3 drives Cdc42 signaling at the apical margin to regulate junction position and apical differentiation. <i>Journal of Cell Biology</i> , 2014, 204, 111-127. | 2.3 | 53 |
| 26 | ATP-dependent MurE ligase in <i>Mycobacterium tuberculosis</i> : Biochemical and structural characterisation. <i>Tuberculosis</i> , 2010, 90, 16-24. | 0.8 | 49 |
| 27 | The 2.0Å... Structure of the Second Calponin Homology Domain from the Actin-binding Region of the Dystrophin Homologue Utrophin. <i>Journal of Molecular Biology</i> , 1999, 285, 1257-1264. | 2.0 | 45 |
| 28 | Structural Evidence for the Dopamine-First Mechanism of Norcoclaurine Synthase. <i>Biochemistry</i> , 2017, 56, 5274-5277. | 1.2 | 40 |
| 29 | Identification of Residues Required for the Interaction of BARD1 with BRCA1. <i>Journal of Biological Chemistry</i> , 2002, 277, 9382-9386. | 1.6 | 38 |
| 30 | Bacterial resuscitation factors: revival of viable but non-culturable bacteria. <i>Cellular and Molecular Life Sciences</i> , 2006, 63, 2555-2559. | 2.4 | 38 |
| 31 | Terminal Regions Confer Plasticity to the Tetrameric Assembly of Human HspB2 and HspB3. <i>Journal of Molecular Biology</i> , 2018, 430, 3297-3310. | 2.0 | 37 |
| 32 | Solution Structure of the Inner DysF Domain of Myoferlin and Implications for Limb Girdle Muscular Dystrophy Type 2B. <i>Journal of Molecular Biology</i> , 2008, 379, 981-990. | 2.0 | 36 |
| 33 | Essential residues for the enzyme activity of ATP-dependent MurE ligase from <i>Mycobacterium tuberculosis</i> . <i>Protein and Cell</i> , 2010, 1, 1011-1022. | 4.8 | 32 |
| 34 | Acceptance and Kinetic Resolution of \hat{I}^{\pm} -Methyl-Substituted Aldehydes by Norcoclaurine Synthases. <i>ACS Catalysis</i> , 2019, 9, 9640-9649. | 5.5 | 30 |
| 35 | Crystal Structure of the Core Domain of RhoE/Rnd3: A Constitutively Activated Small G Proteinâ€™. <i>Biochemistry</i> , 2002, 41, 6303-6310. | 1.2 | 26 |
| 36 | Crystal structures of the human Dysferlin inner DysF domain. <i>BMC Structural Biology</i> , 2014, 14, 3. | 2.3 | 26 |

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|----|---|-----|-----------|
| 37 | N-terminus-mediated dimerization of ROCK-I is required for RhoE binding and actin reorganization. <i>Biochemical Journal</i> , 2008, 411, 407-414. | 1.7 | 21 |
| 38 | X-CGDbase: a database of X-CGD-causing mutations. <i>Trends in Immunology</i> , 1996, 17, 517-521. | 7.5 | 20 |
| 39 | Crystal Structure of Reduced MsAcp, a Putative Nitroreductase from <i>Mycobacterium smegmatis</i> and a Close Homologue of <i>Mycobacterium tuberculosis</i> Acp. <i>Journal of Biological Chemistry</i> , 2012, 287, 44372-44383. | 1.6 | 16 |
| 40 | Chemoenzymatic Cascades toward Methylated Tetrahydroprotoberberine and Protoberberine Alkaloids. <i>Organic Letters</i> , 2021, 23, 6342-6347. | 2.4 | 15 |
| 41 | The RpfC (Rv1884) atomic structure shows high structural conservation within the resuscitation-promoting factor catalytic domain. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 1022-1026. | 0.4 | 14 |
| 42 | Letter to the Editor: 1H, 15N, and 13C chemical shift assignments of the resuscitation promoting factor domain of Rv1009 from <i>Mycobacterium tuberculosis</i> . <i>Journal of Biomolecular NMR</i> , 2004, 30, 373-374. | 1.6 | 12 |
| 43 | Proteomics Study Reveals Cross-Talk between Rho Guanidine Nucleotide Dissociation Inhibitor 1 Post-Translational Modifications in Epidermal Growth Factor Stimulated Fibroblasts. <i>Journal of Proteome Research</i> , 2007, 6, 2623-2630. | 1.8 | 10 |
| 44 | Single step syntheses of (1S)-aryl-tetrahydroisoquinolines by norcochlorine synthases. <i>Communications Chemistry</i> , 2020, 3, . | 2.0 | 10 |
| 45 | Critical Role of a Sheath Phosphorylation Site On the Assembly and Function of an Atypical Type VI Secretion System. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 2418-2432. | 2.5 | 8 |
| 46 | Structure of the stationary phase survival protein YuiC from <i>B.subtilis</i> . <i>BMC Structural Biology</i> , 2015, 15, 12. | 2.3 | 7 |
| 47 | Characterization of the MurT/GatD complex in <i>Mycobacterium tuberculosis</i> towards validating a novel anti-tubercular drug target. <i>JAC-Antimicrobial Resistance</i> , 2021, 3, dlab028. | 0.9 | 7 |
| 48 | Backbone 1H, 13C, and 15N resonance assignments for a 14 kD protein, GABA(A) receptor associated protein (GABARAP). <i>Journal of Biomolecular NMR</i> , 2001, 21, 185-186. | 1.6 | 6 |
| 49 | Characterization of an oxidoreductase from the arylamine N-acetyltransferase operon in <i>Mycobacterium smegmatis</i> . <i>FEBS Journal</i> , 2011, 278, 4824-4832. | 2.2 | 4 |
| 50 | Mutation studies of the gene encoding YuiC, a stationary phase survival protein in <i>Bacillus subtilis</i> . <i>Malaysian Journal of Microbiology</i> , 2018, , . | 0.1 | 0 |