

Nicholas H Keep

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

3,927
citations

136950

32
h-index

189892

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.	3.3	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.	4.2	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.	4.2	246
4	The GDP-GTP Exchange Factor Collybistin: An Essential Determinant of Neuronal Gephyrin Clustering. <i>Journal of Neuroscience</i> , 2004, 24, 5816-5826.	3.6	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.	8.2	222
6	Chronic granulomatous disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1994, 1227, 1-24.	3.8	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.	3.3	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.	8.2	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.	8.6	131
10	Wake up! Peptidoglycan lysis and bacterial non-growth states. <i>Trends in Microbiology</i> , 2006, 14, 271-276.	7.7	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.	3.3	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.	4.2	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.	2.9	96
14	Crystal structure of the actin-binding region of utrophin reveals a head-to-tail dimer. <i>Structure</i> , 1999, 7, 1539-1546.	3.3	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.	3.4	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.	2.5	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.	3.3	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.	3.3	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.	2.5	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.	3.4	67
21	Pictetâ€“Spenglerases in alkaloid biosynthesis: Future applications in biocatalysis. <i>Current Opinion in Chemical Biology</i> , 2020, 55, 69-76.	6.1	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.	4.2	62
23	Resuscitation-promoting factors possess a lysozyme-like domain. <i>Trends in Biochemical Sciences</i> , 2004, 29, 7-10.	7.5	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.	4.7	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.	5.2	53
26	ATP-dependent MurE ligase in <i>Mycobacterium tuberculosis</i> : Biochemical and structural characterisation. <i>Tuberculosis</i> , 2010, 90, 16-24.	1.9	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.	4.2	45
28	Structural Evidence for the Dopamine-First Mechanism of Norcoclaurine Synthase. <i>Biochemistry</i> , 2017, 56, 5274-5277.	2.5	40
29	Identification of Residues Required for the Interaction of BARD1 with BRCA1. <i>Journal of Biological Chemistry</i> , 2002, 277, 9382-9386.	3.4	38
30	Bacterial resuscitation factors: revival of viable but non-culturable bacteria. <i>Cellular and Molecular Life Sciences</i> , 2006, 63, 2555-2559.	5.4	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.	4.2	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.	4.2	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.	11.0	32
34	Acceptance and Kinetic Resolution of \hat{I}^{\pm} -Methyl-Substituted Aldehydes by Norcoclaurine Synthases. <i>ACS Catalysis</i> , 2019, 9, 9640-9649.	11.2	30
35	Crystal Structure of the Core Domain of RhoE/Rnd3: A Constitutively Activated Small G Proteinâ€“,â€“. <i>Biochemistry</i> , 2002, 41, 6303-6310.	2.5	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.	3.7	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.	3.4	16
40	Chemoenzymatic Cascades toward Methylated Tetrahydroprotoberberine and Protoberberine Alkaloids. <i>Organic Letters</i> , 2021, 23, 6342-6347.	4.6	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.	0.8	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.	2.8	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.	3.7	10
44	Single step syntheses of (1S)-aryl-tetrahydroisoquinolines by norcoclaurine synthases. <i>Communications Chemistry</i> , 2020, 3, .	4.5	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.	3.8	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.	2.1	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.	2.8	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.	4.7	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