

# Nicholas H Keep

## List of Publications by Citations

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49  
papers

3,250  
citations

29  
h-index

51  
g-index

51  
ext. papers

3,617  
ext. citations

6.1  
avg, IF

4.67  
L-index

#	Paper	IF	Citations
49	How coenzyme B12 radicals are generated: the crystal structure of methylmalonyl-coenzyme A mutase at 2 Å resolution. <i>Structure</i> , <b>1996</b> , 4, 339-50	5.2	450
48	Crystal structures of alpha-crystallin domain dimers of alphaB-crystallin and Hsp20. <i>Journal of Molecular Biology</i> , <b>2009</b> , 392, 1242-52	6.5	233
47	The GDP-GTP exchange factor collybistin: an essential determinant of neuronal gephyrin clustering. <i>Journal of Neuroscience</i> , <b>2004</b> , 24, 5816-26	6.6	210
46	Characterisation of Bombyx mori Odorant-binding proteins reveals that a general odorant-binding protein discriminates between sex pheromone components. <i>Journal of Molecular Biology</i> , <b>2009</b> , 389, 529-45	6.5	198
45	Chronic granulomatous disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>1994</b> , 1227, 1-24	6.9	176
44	Human BRCA1-BARD1 ubiquitin ligase activity counteracts chromatin barriers to DNA resection. <i>Nature Structural and Molecular Biology</i> , <b>2016</b> , 23, 647-55	17.6	166
43	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> , <b>2000</b> , 8, 481-91	5.2	132
42	The structure of a resuscitation-promoting factor domain from Mycobacterium tuberculosis shows homology to lysozymes. <i>Nature Structural and Molecular Biology</i> , <b>2005</b> , 12, 270-3	17.6	116
41	Wake up! Peptidoglycan lysis and bacterial non-growth states. <i>Trends in Microbiology</i> , <b>2006</b> , 14, 271-6	12.4	114
40	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> , <b>1997</b> , 5, 623-33	5.2	98
39	Crystal structure of R120G disease mutant of human B-crystallin domain dimer shows closure of a groove. <i>Journal of Molecular Biology</i> , <b>2011</b> , 408, 118-34	6.5	95
38	Crystal structure of the actin-binding region of utrophin reveals a head-to-tail dimer. <i>Structure</i> , <b>1999</b> , 7, 1539-46	5.2	86
37	Genetic analysis of BRCA1 ubiquitin ligase activity and its relationship to breast cancer susceptibility. <i>Human Molecular Genetics</i> , <b>2006</b> , 15, 599-606	5.6	85
36	Dodecameric structure of the small heat shock protein Acr1 from Mycobacterium tuberculosis. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 33419-25	5.4	82
35	The 2.7 Å crystal structure of the activated FERM domain of moesin: an analysis of structural changes on activation. <i>Biochemistry</i> , <b>2001</b> , 40, 7061-8	3.2	71
34	Mapping the binding site for the GTP-binding protein Rac-1 on its inhibitor RhoGDI-1. <i>Structure</i> , <b>2000</b> , 8, 47-55	5.2	66
33	Cell wall peptidoglycan in Mycobacterium tuberculosis: An Achilles Wheel for the TB-causing pathogen. <i>FEMS Microbiology Reviews</i> , <b>2019</b> , 43, 548-575	15.1	63

32	Structure of the utrophin actin-binding domain bound to F-actin reveals binding by an induced fit mechanism. <i>Journal of Molecular Biology</i> , <b>2000</b> , 297, 465-80	6.5	60
31	Resuscitation-promoting factors possess a lysozyme-like domain. <i>Trends in Biochemical Sciences</i> , <b>2004</b> , 29, 7-10	10.3	57
30	The X-ray crystal structure and putative ligand-derived peptide binding properties of gamma-aminobutyric acid receptor type A receptor-associated protein. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 5556-61	5.4	57
29	Characterisation of ATP-dependent Mur ligases involved in the biogenesis of cell wall peptidoglycan in <i>Mycobacterium tuberculosis</i> . <i>PLoS ONE</i> , <b>2013</b> , 8, e60143	3.7	56
28	Dopamine-first mechanism enables the rational engineering of the norcoclaurine synthase aldehyde activity profile. <i>FEBS Journal</i> , <b>2015</b> , 282, 1137-51	5.7	51
27	The 2.0 Å structure of the second calponin homology domain from the actin-binding region of the dystrophin homologue utrophin. <i>Journal of Molecular Biology</i> , <b>1999</b> , 285, 1257-64	6.5	42
26	Dbl3 drives Cdc42 signaling at the apical margin to regulate junction position and apical differentiation. <i>Journal of Cell Biology</i> , <b>2014</b> , 204, 111-27	7.3	41
25	ATP-dependent MurE ligase in <i>Mycobacterium tuberculosis</i> : biochemical and structural characterisation. <i>Tuberculosis</i> , <b>2010</b> , 90, 16-24	2.6	41
24	Pictet-Spenglerases in alkaloid biosynthesis: Future applications in biocatalysis. <i>Current Opinion in Chemical Biology</i> , <b>2020</b> , 55, 69-76	9.7	37
23	Bacterial resuscitation factors: revival of viable but non-culturable bacteria. <i>Cellular and Molecular Life Sciences</i> , <b>2006</b> , 63, 2555-9	10.3	36
22	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> , <b>2016</b> , 6, 24739	4.9	35
21	Identification of residues required for the interaction of BARD1 with BRCA1. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 9382-6	5.4	31
20	Structural Evidence for the Dopamine-First Mechanism of Norcoclaurine Synthase. <i>Biochemistry</i> , <b>2017</b> , 56, 5274-5277	3.2	29
19	Essential residues for the enzyme activity of ATP-dependent MurE ligase from <i>Mycobacterium tuberculosis</i> . <i>Protein and Cell</i> , <b>2010</b> , 1, 1011-22	7.2	26
18	Solution structure of the inner DysF domain of myoferlin and implications for limb girdle muscular dystrophy type 2b. <i>Journal of Molecular Biology</i> , <b>2008</b> , 379, 981-90	6.5	25
17	Crystal structure of the core domain of RhoE/Rnd3: a constitutively activated small G protein. <i>Biochemistry</i> , <b>2002</b> , 41, 6303-10	3.2	25
16	Acceptance and Kinetic Resolution of $\beta$ Methyl-Substituted Aldehydes by Norcoclaurine Synthases. <i>ACS Catalysis</i> , <b>2019</b> , 9, 9640-9649	13.1	24
15	Terminal Regions Confer Plasticity to the Tetrameric Assembly of Human HspB2 and HspB3. <i>Journal of Molecular Biology</i> , <b>2018</b> , 430, 3297-3310	6.5	24

14	Crystal structures of the human Dysferlin inner DysF domain. <i>BMC Structural Biology</i> , <b>2014</b> , 14, 3	2.7	19
13	N-terminus-mediated dimerization of ROCK-I is required for RhoE binding and actin reorganization. <i>Biochemical Journal</i> , <b>2008</b> , 411, 407-14	3.8	18
12	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> , <b>2014</b> , 70, 1022-6	1.1	13
11	(1)H, (15)N, and (13)C chemical shift assignments of the resuscitation promoting factor domain of Rv1009 from <i>Mycobacterium tuberculosis</i> . <i>Journal of Biomolecular NMR</i> , <b>2004</b> , 30, 373-4	3	12
10	Crystal structure of reduced MsAcg, a putative nitroreductase from <i>Mycobacterium smegmatis</i> and a close homologue of <i>Mycobacterium tuberculosis</i> Acg. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 44372-83	5.4	11
9	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> , <b>2007</b> , 6, 2623-30	5.6	8
8	Single step syntheses of (1S)-aryl-tetrahydroisoquinolines by norcoclaurine synthases. <i>Communications Chemistry</i> , <b>2020</b> , 3,	6.3	7
7	Backbone 1H, 13C, and 15N resonance assignments for a 14 kD protein, GABA(A) receptor associated protein (GABARAP). <i>Journal of Biomolecular NMR</i> , <b>2001</b> , 21, 185-6	3	6
6	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> , <b>2019</b> , 18, 2418-2432	7.6	5
5	Structure of the stationary phase survival protein YuiC from <i>B.subtilis</i> . <i>BMC Structural Biology</i> , <b>2015</b> , 15, 12	2.7	4
4	X-CGDbase: a database of X-CGD-causing mutations. <i>Trends in Immunology</i> , <b>1996</b> , 17, 517-521		3
3	Characterization of an oxidoreductase from the arylamine N-acetyltransferase operon in <i>Mycobacterium smegmatis</i> . <i>FEBS Journal</i> , <b>2011</b> , 278, 4824-32	5.7	2
2	Chemoenzymatic Cascades toward Methylated Tetrahydroprotoberberine and Protoberberine Alkaloids. <i>Organic Letters</i> , <b>2021</b> , 23, 6342-6347	6.2	2
1	Characterization of the MurT/GatD complex in towards validating a novel anti-tubercular drug target. <i>JAC-Antimicrobial Resistance</i> , <b>2021</b> , 3, dlab028	2.9	1