

Richard D Bunker

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

2,431
citations

430874

18
h-index

713466

21
g-index

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docs citations

22
times ranked

4486
citing authors

#	ARTICLE	IF	CITATIONS
1	Histone Methylation by PRC2 Is Inhibited by Active Chromatin Marks. <i>Molecular Cell</i> , 2011, 42, 330-341.	9.7	620
2	Defining the human C2H2 zinc finger degrome targeted by thalidomide analogs through CRBN. <i>Science</i> , 2018, 362, .	12.6	320
3	The CDK inhibitor CR8 acts as a molecular glue degrader that depletes cyclin K. <i>Nature</i> , 2020, 585, 293-297.	27.8	219
4	Crystal structure of the human COP9 signalosome. <i>Nature</i> , 2014, 512, 161-165.	27.8	197
5	Cullin RING ubiquitin E3 ligase regulation by the COP9 signalosome. <i>Nature</i> , 2016, 531, 598-603.	27.8	173
6	Mechanisms of OCT4-SOX2 motif readout on nucleosomes. <i>Science</i> , 2020, 368, 1460-1465.	12.6	160
7	Rif1 and Rif2 Shape Telomere Function and Architecture through Multivalent Rap1 Interactions. <i>Cell</i> , 2013, 153, 1340-1353.	28.9	92
8	Structural basis for the enhancement of virulence by viral spindles and their in vivo crystallization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3973-3978.	7.1	92
9	DNA damage detection in nucleosomes involves DNA register shifting. <i>Nature</i> , 2019, 571, 79-84.	27.8	72
10	Structural and mechanistic insight into Holliday-junction dissolution by Topoisomerase III β and RMI1. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 261-268.	8.2	71
11	Atomic structure of granulin determined from native nanocrystalline granulovirus using an X-ray free-electron laser. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2247-2252.	7.1	65
12	Crystal Structure of the Minor Pilin FctB Reveals Determinants of Group A Streptococcal Pilus Anchoring. <i>Journal of Biological Chemistry</i> , 2010, 285, 20381-20389.	3.4	61
13	Structure and function of GlmU from <i>Mycobacterium tuberculosis</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2009, 65, 275-283.	2.5	54
14	Rif1 maintains telomeres and mediates DNA repair by encasing DNA ends. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 588-595.	8.2	51
15	Structural Basis of BRCC36 Function in DNA Repair and Immune Regulation. <i>Molecular Cell</i> , 2019, 75, 483-497.e9.	9.7	50
16	Crystal structure of PAE0151 from <i>Pyrobaculum aerophilum</i> , a PIN domain (VapC) protein from a toxin-antitoxin operon. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 72, 510-518.	2.6	45
17	A functional role of Rv1738 in <i>Mycobacterium tuberculosis</i> persistence suggested by racemic protein crystallography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4310-4315.	7.1	43
18	Structure and Function of Human Xylulokinase, an Enzyme with Important Roles in Carbohydrate Metabolism. <i>Journal of Biological Chemistry</i> , 2013, 288, 1643-1652.	3.4	23

#	ARTICLE	IF	CITATIONS
19	The physiological substrates of fructosamine-3-kinase-related-protein (FN3KRP) are intermediates of nonenzymatic reactions between biological amines and ketose sugars (fructation products). <i>Medical Hypotheses</i> , 2011, 77, 739-744.	1.5	9
20	Purification, crystallization and preliminary crystallographic analysis of human dihydrodipicolinate synthase-like protein (DHDPSL). <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012, 68, 59-62.	0.7	8
21	Regulation of human 4-hydroxy-2-oxoglutarate aldolase by pyruvate and $\hat{\Gamma}$ -ketoglutarate: implications for primary hyperoxaluria type-3. <i>Biochemical Journal</i> , 2019, 476, 3369-3383.	3.7	6
22	Chapter 7. Structure Determination and Refinement of Large Macromolecular Assemblies at Low Resolution. <i>Chemical Biology</i> , 2018, , 157-180.	0.2	0