

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
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22
all docs

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docs citations

22
times ranked

4486
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | The CDK inhibitor CR8 acts as a molecular glue degrader that depletes cyclin K. <i>Nature</i> , 2020, 585, 293-297. | 27.8 | 219 |
| 2 | Mechanisms of OCT4-SOX2 motif readout on nucleosomes. <i>Science</i> , 2020, 368, 1460-1465. | 12.6 | 160 |
| 3 | Structural Basis of BRCC36 Function in DNA Repair and Immune Regulation. <i>Molecular Cell</i> , 2019, 75, 483-497.e9. | 9.7 | 50 |
| 4 | DNA damage detection in nucleosomes involves DNA register shifting. <i>Nature</i> , 2019, 571, 79-84. | 27.8 | 72 |
| 5 | Regulation of human 4-hydroxy-2-oxoglutarate aldolase by pyruvate and α -ketoglutarate: implications for primary hyperoxaluria type-3. <i>Biochemical Journal</i> , 2019, 476, 3369-3383. | 3.7 | 6 |
| 6 | Defining the human C2H2 zinc finger degrome targeted by thalidomide analogs through CRBN. <i>Science</i> , 2018, 362, . | 12.6 | 320 |
| 7 | Chapter 7. Structure Determination and Refinement of Large Macromolecular Assemblies at Low Resolution. <i>Chemical Biology</i> , 2018, , 157-180. | 0.2 | 0 |
| 8 | Atomic structure of granulins 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 |
| 9 | 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 |
| 10 | Cullin-RING ubiquitin E3 ligase regulation by the COP9 signalosome. <i>Nature</i> , 2016, 531, 598-603. | 27.8 | 173 |
| 11 | 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 |
| 12 | 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 |
| 13 | Crystal structure of the human COP9 signalosome. <i>Nature</i> , 2014, 512, 161-165. | 27.8 | 197 |
| 14 | Structural and mechanistic insight into Holliday-junction dissolution by Topoisomerase III α and RMI1. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 261-268. | 8.2 | 71 |
| 15 | Rif1 and Rif2 Shape Telomere Function and Architecture through Multivalent Rap1 Interactions. <i>Cell</i> , 2013, 153, 1340-1353. | 28.9 | 92 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Histone Methylation by PRC2 Is Inhibited by Active Chromatin Marks. <i>Molecular Cell</i> , 2011, 42, 330-341. | 9.7 | 620 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |