

Steven W Hardwick

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,566
citations

394421

19
h-index

552781

26
g-index

35
all docs

35
docs citations

35
times ranked

2183
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-particle cryo-EM at atomic resolution. <i>Nature</i> , 2020, 587, 152-156.	27.8	572
2	Nanopore-Based Identification of Individual Nucleotides for Direct RNA Sequencing. <i>Nano Letters</i> , 2013, 13, 6144-6150.	9.1	103
3	An RNA degradosome assembly in <i>Caulobacter crescentus</i> . <i>Nucleic Acids Research</i> , 2011, 39, 1449-1459.	14.5	84
4	Functional and Structural Characterization of RsbU, a Stress Signaling Protein Phosphatase 2C. <i>Journal of Biological Chemistry</i> , 2004, 279, 40927-40937.	3.4	67
5	Dimers of DNA-PK create a stage for DNA double-strand break repair. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 13-19.	8.2	67
6	Cryo-EM of NHEJ supercomplexes provides insights into DNA repair. <i>Molecular Cell</i> , 2021, 81, 3400-3409.e3.	9.7	62
7	CryoEM structures of human CMG-ATP3S-DNA and CMG-AND-1 complexes. <i>Nucleic Acids Research</i> , 2020, 48, 6980-6995.	14.5	56
8	Crystal structure of <i>Caulobacter crescentus</i> polynucleotide phosphorylase reveals a mechanism of RNA substrate channelling and RNA degradosome assembly. <i>Open Biology</i> , 2012, 2, 120028.	3.6	52
9	Structure of the <i>Escherichia coli</i> ProQ RNA-binding protein. <i>Rna</i> , 2017, 23, 696-711.	3.5	50
10	Structural elucidation of a novel mechanism for the bacteriophage-based inhibition of the RNA degradosome. <i>ELife</i> , 2016, 5, .	6.0	47
11	Role of RsbU in Controlling SigB Activity in <i>Staphylococcus aureus</i> following Alkaline Stress. <i>Journal of Bacteriology</i> , 2009, 191, 2561-2573.	2.2	46
12	Rarely at rest. <i>RNA Biology</i> , 2013, 10, 56-70.	3.1	36
13	Structural insights into inhibitor regulation of the DNA repair protein DNA-PKcs. <i>Nature</i> , 2022, 601, 643-648.	27.8	36
14	Differential assembly diversifies GABAA receptor structures and signalling. <i>Nature</i> , 2022, 604, 190-194.	27.8	36
15	Association of the Cold Shock DEAD-Box RNA Helicase RhlE to the RNA Degradosome in <i>Caulobacter crescentus</i> . <i>Journal of Bacteriology</i> , 2017, 199, .	2.2	34
16	Molecular recognition of RhlB and RNase D in the <i>Caulobacter crescentus</i> RNA degradosome. <i>Nucleic Acids Research</i> , 2014, 42, 13294-13305.	14.5	33
17	Mechanisms of inhibition and activation of extrasynaptic $\alpha 1 \beta 2$ GABAA receptors. <i>Nature</i> , 2022, 602, 529-533.	27.8	31
18	Structural insights into RapZ-mediated regulation of bacterial amino-sugar metabolism. <i>Nucleic Acids Research</i> , 2017, 45, 10845-10860.	14.5	30

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19	Structural and Functional Characterization of Partner Switching Regulating the Environmental Stress Response in <i>Bacillus subtilis</i> . <i>Journal of Biological Chemistry</i> , 2007, 282, 11562-11572.	3.4	27
20	Structural basis for the interaction of SARS-CoV-2 virulence factor nsp1 with DNA polymerase β primase. <i>Protein Science</i> , 2022, 31, 333-344.	7.6	23
21	<i>Caulobacter crescentus</i> Hfq structure reveals a conserved mechanism of RNA annealing regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10978-10987.	7.1	20
22	Potential Regulatory Interactions of <i>Escherichia coli</i> RraA Protein with DEAD-box Helicases. <i>Journal of Biological Chemistry</i> , 2013, 288, 31919-31929.	3.4	13
23	Using cryo-EM to understand antimycobacterial resistance in the catalase-peroxidase (KatG) from <i>Mycobacterium tuberculosis</i> . <i>Structure</i> , 2021, 29, 899-912.e4.	3.3	13
24	Viral interference of the bacterial RNA metabolism machinery. <i>RNA Biology</i> , 2017, 14, 6-10.	3.1	12
25	Multi-scale ensemble properties of the <i>Escherichia coli</i> RNA degradosome. <i>Molecular Microbiology</i> , 2022, 117, 102-120.	2.5	7
26	Cryo-EM structures of staphylococcal IsdB bound to human hemoglobin reveal the process of heme extraction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2116708119.	7.1	6
27	1.8 Å resolution crystal structure of the carbapenem intrinsic resistance protein CarF. <i>Acta Crystallographica Section D: Structural Biology</i> , 2017, 73, 549-556.	2.3	1
28	Protein Pulldown Assays to Monitor the Composition of the Bacterial RNA Degradosome. <i>Methods in Molecular Biology</i> , 2021, 2209, 425-432.	0.9	0