

# Hong Li

## List of Publications by Year in descending order

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58  
papers

2,943  
citations

218677

26  
h-index

168389

53  
g-index

62  
all docs

62  
docs citations

62  
times ranked

2376  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cas6 is an endoribonuclease that generates guide RNAs for invader defense in prokaryotes. <i>Genes and Development</i> , 2008, 22, 3489-3496.	5.9	495
2	Inhibition of cGAS DNA Sensing by a Herpesvirus Virion Protein. <i>Cell Host and Microbe</i> , 2015, 18, 333-344.	11.0	223
3	Molecular Basis of Box C/D RNA-Protein Interactions. <i>Structure</i> , 2004, 12, 807-818.	3.3	158
4	Interaction of the Cas6 Riboendonuclease with CRISPR RNAs: Recognition and Cleavage. <i>Structure</i> , 2011, 19, 257-264.	3.3	154
5	Crystal Structure of a Cbf5-Nop10-Gar1 Complex and Implications in RNA-Guided Pseudouridylation and Dyskeratosis Congenita. <i>Molecular Cell</i> , 2006, 21, 249-260.	9.7	152
6	Structure of an RNA Silencing Complex of the CRISPR-Cas Immune System. <i>Molecular Cell</i> , 2013, 52, 146-152.	9.7	117
7	Structure and function of archaeal box C/D sRNP core proteins. <i>Nature Structural and Molecular Biology</i> , 2003, 10, 256-263.	8.2	113
8	Target RNA capture and cleavage by the Cmr type III-B CRISPR-Cas effector complex. <i>Genes and Development</i> , 2014, 28, 2432-2443.	5.9	104
9	RNA Recognition and Cleavage by a Splicing Endonuclease. <i>Science</i> , 2006, 312, 906-910.	12.6	102
10	Structure of a functional ribonucleoprotein pseudouridine synthase bound to a substrate RNA. <i>Nature Structural and Molecular Biology</i> , 2009, 16, 740-746.	8.2	77
11	The heteromeric Nanoarchaeum equitans splicing endonuclease cleaves noncanonical bulge-helix-bulge motifs of joined tRNA halves. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 17934-17939.	7.1	71
12	Structure of the Cmr2 Subunit of the CRISPR-Cas RNA Silencing Complex. <i>Structure</i> , 2012, 20, 545-553.	3.3	69
13	Cleavage of pre-tRNAs by the splicing endonuclease requires a composite active site. <i>Nature</i> , 2006, 441, 375-377.	27.8	64
14	Structural Basis for Substrate Placement by an Archaeal Box C/D Ribonucleoprotein Particle. <i>Molecular Cell</i> , 2010, 39, 939-949.	9.7	59
15	Substrate RNA positioning in the archaeal H/ACA ribonucleoprotein complex. <i>Nature Structural and Molecular Biology</i> , 2007, 14, 1189-1195.	8.2	57
16	Essential Structural and Functional Roles of the Cmr4 Subunit in RNA Cleavage by the Cmr CRISPR-Cas Complex. <i>Cell Reports</i> , 2014, 9, 1610-1617.	6.4	57
17	Recognition and Cleavage of a Nonstructured CRISPR RNA by Its Processing Endoribonuclease Cas6. <i>Structure</i> , 2013, 21, 385-393.	3.3	47
18	Crystal structure of a dimeric archaeal splicing endonuclease. <i>Journal of Molecular Biology</i> , 2000, 302, 639-648.	4.2	46

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19	Structural Principles of CRISPR RNA Processing. <i>Structure</i> , 2015, 23, 13-20.	3.3	43
20	Structure of the Cmr2-Cmr3 Subcomplex of the Cmr RNA Silencing Complex. <i>Structure</i> , 2013, 21, 376-384.	3.3	42
21	Virus detection via programmable Type III-A CRISPR-Cas systems. <i>Nature Communications</i> , 2021, 12, 5653.	12.8	40
22	Alternative Conformations of the Archaeal Nop56/58-Fibrillarlin Complex Imply Flexibility in Box C/D RNPs. <i>Journal of Molecular Biology</i> , 2007, 371, 1141-1150.	4.2	36
23	<i>Staphylococcus epidermidis</i> Csm1 is a 3'-5' exonuclease. <i>Nucleic Acids Research</i> , 2014, 42, 1129-1138.	14.5	34
24	The impact of CRISPR repeat sequence on structures of a Cas6 protein-RNA complex. <i>Protein Science</i> , 2012, 21, 405-417.	7.6	31
25	The multistructural forms of box C/D ribonucleoprotein particles. <i>Rna</i> , 2018, 24, 1625-1633.	3.5	31
26	Structural and Thermodynamic Evidence for a Stabilizing Role of Nop5p in S-Adenosyl-L-methionine Binding to Fibrillarlin. <i>Journal of Biological Chemistry</i> , 2004, 279, 41822-41829.	3.4	28
27	Structural Characterization of the Catalytic Subunit of a Novel RNA Splicing Endonuclease. <i>Journal of Molecular Biology</i> , 2005, 353, 952-960.	4.2	28
28	The Impact of DNA Topology and Guide Length on Target Selection by a Cytosine-Specific Cas9. <i>ACS Synthetic Biology</i> , 2017, 6, 1103-1113.	3.8	27
29	Complexes of tRNA and maturation enzymes: shaping up for translation. <i>Current Opinion in Structural Biology</i> , 2007, 17, 293-301.	5.7	25
30	Crystal structure and assembly of the functional <i>Nanoarchaeum equitans</i> tRNA splicing endonuclease. <i>Nucleic Acids Research</i> , 2009, 37, 5793-5802.	14.5	25
31	'In-line attack' conformational effect plays a modest role in an enzyme-catalyzed RNA cleavage: a free energy simulation study. <i>Nucleic Acids Research</i> , 2007, 35, 4001-4006.	14.5	24
32	Unveiling substrate RNA binding to H/ACA RNPs: one side fits all. <i>Current Opinion in Structural Biology</i> , 2008, 18, 78-85.	5.7	24
33	A Non-Stem-Loop CRISPR RNA Is Processed by Dual Binding Cas6. <i>Structure</i> , 2016, 24, 547-554.	3.3	24
34	Long-distance placement of substrate RNA by H/ACA proteins. <i>Rna</i> , 2008, 14, 2086-2094.	3.5	22
35	Pih1p-Tah1p Puts a Lid on Hexameric AAA+ ATPases Rvb1/2p. <i>Structure</i> , 2017, 25, 1519-1529.e4.	3.3	22
36	Structure Principles of CRISPR-Cas Surveillance and Effector Complexes. <i>Annual Review of Biophysics</i> , 2015, 44, 229-255.	10.0	21

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37	Structural comparison of yeast snoRNP and spliceosomal protein Snu13p with its homologs. <i>Biochemical and Biophysical Research Communications</i> , 2005, 333, 550-554.	2.1	20
38	Structures of ribonucleoprotein particle modification enzymes. <i>Quarterly Reviews of Biophysics</i> , 2011, 44, 95-122.	5.7	20
39	Functional and Structural Impact of Target Uridine Substitutions on the H/ACA Ribonucleoprotein Particle Pseudouridine Synthase,. <i>Biochemistry</i> , 2010, 49, 6276-6281.	2.5	19
40	The mysterious RAMP proteins and their roles in small RNA-based immunity. <i>Protein Science</i> , 2012, 21, 463-470.	7.6	19
41	Crystallization and Preliminary X-Ray Analysis of <i>Borrelia burgdorferi</i> Outer Surface Protein A (OspA) Complexed with a Murine Monoclonal Antibody Fab Fragment. <i>Journal of Structural Biology</i> , 1995, 115, 335-337.	2.8	16
42	The molecular basis for recognition of 5'-NNNCC-3' PAM and its methylation state by <i>Acidothermus cellulolyticus</i> Cas9. <i>Nature Communications</i> , 2020, 11, 6346.	12.8	15
43	Co-Expression and Co-Purification of Archaeal and Eukaryal Box C/D RNPs. <i>PLoS ONE</i> , 2014, 9, e103096.	2.5	14
44	CryoEM structures of pseudouridine-free ribosome suggest impacts of chemical modifications on ribosome conformations. <i>Structure</i> , 2022, 30, 983-992.e5.	3.3	14
45	Structural and functional evidence of high specificity of Cbf5 for ACA trinucleotide. <i>Rna</i> , 2011, 17, 244-250.	3.5	13
46	Cas6 processes tight and relaxed repeat RNA via multiple mechanisms: A hypothesis. <i>BioEssays</i> , 2017, 39, 1700019.	2.5	13
47	Protein-RNA contacts at crystal packing surfaces. <i>Proteins: Structure, Function and Bioinformatics</i> , 2007, 67, 121-127.	2.6	12
48	Determination of Protein-RNA Interaction Sites in the Cbf5-H/ACA Guide RNA Complex by Mass Spectrometric Protein Footprinting. <i>Biochemistry</i> , 2008, 47, 1500-1510.	2.5	12
49	Glycosidic Bond Conformation Preference Plays a Pivotal Role in Catalysis of RNA Pseudouridylation: A Combined Simulation and Structural Study. <i>Journal of Molecular Biology</i> , 2010, 401, 690-695.	4.2	11
50	Directed evolution studies of a thermophilic Type II-C Cas9. <i>Methods in Enzymology</i> , 2019, 616, 265-288.	1.0	9
51	Structural and biochemical characterization of in vivo assembled <i>Lactococcus lactis</i> CRISPR-Csm complex. <i>Communications Biology</i> , 2022, 5, 279.	4.4	9
52	Structural principles of CRISPR-Cas enzymes used in nucleic acid detection. <i>Journal of Structural Biology</i> , 2022, 214, 107838.	2.8	8
53	Phosphate Lock Residues of <i>Acidothermus cellulolyticus</i> Cas9 Are Critical to Its Substrate Specificity. <i>ACS Synthetic Biology</i> , 2018, 7, 2908-2917.	3.8	7
54	Structure determination of a truncated dimeric splicing endonuclease in pseudo-face-centered space group P21212. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2004, 60, 447-452.	2.5	5

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55	Achieving Specific RNA Cleavage Activity by an Inactive Splicing Endonuclease Subunit Through Engineered Oligomerization. <i>Journal of Molecular Biology</i> , 2007, 366, 642-649.	4.2	5
56	Yeast R2TP Interacts with Extended Termini of Client Protein Nop58p. <i>Scientific Reports</i> , 2019, 9, 20228.	3.3	5
57	Artificial intelligence-assisted cryoEM structure of Bfr2-Lcp5 complex observed in the yeast small subunit processome. <i>Communications Biology</i> , 2022, 5, .	4.4	1
58	â€œXâ€marks the spot: Mining the gold in CasX for gene editing. <i>Molecular Cell</i> , 2022, 82, 1083-1085.	9.7	0