

Huiqiang Lou

List of Publications by Year in descending order

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37
papers

1,145
citations

567281

15
h-index

414414

32
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42
all docs

42
docs citations

42
times ranked

1812
citing authors

#	ARTICLE	IF	CITATIONS
1	Mrc1 and DNA Polymerase ϵ Function Together in Linking DNA Replication and the S Phase Checkpoint. <i>Molecular Cell</i> , 2008, 32, 106-117.	9.7	183
2	hPrimpol1/CCDC111 is a human DNA primase-polymerase required for the maintenance of genome integrity. <i>EMBO Reports</i> , 2013, 14, 1104-1112.	4.5	166
3	Mutations in RECQL Gene Are Associated with Predisposition to Breast Cancer. <i>PLoS Genetics</i> , 2015, 11, e1005228.	3.5	89
4	The ribosomal protein S26 regulates p53 activity in response to DNA damage. <i>Oncogene</i> , 2014, 33, 2225-2235.	5.9	86
5	Structural basis of Zika virus helicase in recognizing its substrates. <i>Protein and Cell</i> , 2016, 7, 562-570.	11.0	72
6	Thermophilic xylanases: from bench to bottle. <i>Critical Reviews in Biotechnology</i> , 2018, 38, 989-1002.	9.0	57
7	Dbf4 recruitment by forkhead transcription factors defines an upstream rate-limiting step in determining origin firing timing. <i>Genes and Development</i> , 2017, 31, 2405-2415.	5.9	53
8	Characterization of Two Endo- β -1, 4-Xylanases from <i>Myceliophthora thermophila</i> and Their Saccharification Efficiencies, Synergistic with Commercial Cellulase. <i>Frontiers in Microbiology</i> , 2018, 9, 233.	3.5	52
9	Cell-Cycle-Regulated Interaction between Mcm10 and Double Hexameric Mcm2-7 Is Required for Helicase Splitting and Activation during S Phase. <i>Cell Reports</i> , 2015, 13, 2576-2586.	6.4	51
10	Rtt101-Mms1-Mms22 coordinates replication-coupled sister chromatid cohesion and nucleosome assembly. <i>EMBO Reports</i> , 2017, 18, 1294-1305.	4.5	31
11	A Prototypic Lysine Methyltransferase 4 from Archaea with Degenerate Sequence Specificity Methylates Chromatin Proteins Sul7d and Cren7 in Different Patterns. <i>Journal of Biological Chemistry</i> , 2013, 288, 13728-13740.	3.4	28
12	Mthfd2 Modulates Mitochondrial Function and DNA Repair to Maintain the Pluripotency of Mouse Stem Cells. <i>Stem Cell Reports</i> , 2020, 15, 529-545.	4.8	25
13	Novel β -mannanase/GLP-1 fusion peptide high effectively ameliorates obesity in a mouse model by modifying balance of gut microbiota. <i>International Journal of Biological Macromolecules</i> , 2021, 191, 753-763.	7.5	25
14	The Emerging Roles of Fox Family Transcription Factors in Chromosome Replication, Organization, and Genome Stability. <i>Cells</i> , 2020, 9, 258.	4.1	21
15	Highly Efficient Degradation of Xylan into Xylose by a Single Enzyme. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11360-11368.	6.7	20
16	Cul4-Ddb1 ubiquitin ligases facilitate DNA replication-coupled sister chromatid cohesion through regulation of cohesin acetyltransferase Esco2. <i>PLoS Genetics</i> , 2019, 15, e1007685.	3.5	19
17	Modulation of Hyperthermophilic DNA Polymerase Activity by Archaeal Chromatin Proteins. <i>Journal of Biological Chemistry</i> , 2004, 279, 127-132.	3.4	17
18	The acetyltransferase Eco1 elicits cohesin dimerization during S phase. <i>Journal of Biological Chemistry</i> , 2020, 295, 7554-7565.	3.4	16

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19	The Helicase Activity of Hyperthermophilic Archaeal MCM is Enhanced at High Temperatures by Lysine Methylation. <i>Frontiers in Microbiology</i> , 2015, 6, 1247.	3.5	15
20	Sld3-MCM Interaction Facilitated by Dbf4-Dependent Kinase Defines an Essential Step in Eukaryotic DNA Replication Initiation. <i>Frontiers in Microbiology</i> , 2016, 7, 885.	3.5	13
21	Cleavage of double-stranded DNA by the intrinsic 3'→5' exonuclease activity of DNA polymerase B1 from the hyperthermophilic archaeon <i>Sulfolobus solfataricus</i> at high temperature. <i>FEMS Microbiology Letters</i> , 2004, 231, 111-117.	1.8	10
22	Post-Translational Modifications Aid Archaeal Survival. <i>Biomolecules</i> , 2020, 10, 584.	4.0	10
23	Accurate DNA synthesis by <i>Sulfolobus solfataricus</i> DNA polymerase B1 at high temperature. <i>Extremophiles</i> , 2010, 14, 107-117.	2.3	9
24	Long-Lasting Gene Conversion Shapes the Convergent Evolution of the Critical Methanogenesis Genes. <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 2475-2486.	1.8	9
25	Mck1 defines a key S-phase checkpoint effector in response to various degrees of replication threats. <i>PLoS Genetics</i> , 2019, 15, e1008136.	3.5	9
26	Two dominant selectable markers for genetic manipulation in <i>Neurospora crassa</i> . <i>Current Genetics</i> , 2020, 66, 835-847.	1.7	9
27	The DNA Pol δ stimulatory activity of Mrc1 is modulated by phosphorylation. <i>Cell Cycle</i> , 2018, 17, 64-72.	2.6	8
28	Metabolic remodeling maintains a reducing environment for rapid activation of the yeast DNA replication checkpoint. <i>EMBO Journal</i> , 2022, 41, e108290.	7.8	8
29	Characterization of the dimeric CMG/pre-initiation complex and its transition into DNA replication forks. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 3041-3058.	5.4	7
30	Improved Production of Xylanase in <i>Pichia pastoris</i> and Its Application in Xylose Production From Xylan. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 690702.	4.1	6
31	Microproteins: from behind the scenes to the spotlight. <i>Genome Instability & Disease</i> , 2021, 2, 225-239.	1.1	5
32	Stochasticity Triggers Activation of the S-phase Checkpoint Pathway in Budding Yeast. <i>Physical Review X</i> , 2021, 11, .	8.9	5
33	Cohesin in DNA damage response and double-strand break repair. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2022, 57, 333-350.	5.2	5
34	Regulation of Actinomycin D induced upregulation of Mdm2 in H1299 cells. <i>DNA Repair</i> , 2012, 11, 112-119.	2.8	4
35	HDA-2-Containing Complex Is Required for Activation of <i>Catalase-3</i> Expression in <i>Neurospora crassa</i> . <i>MBio</i> , 0, .	4.1	1
36	Effect of DNA binding protein Ssh12 from hyperthermophilic archaeon <i>Sulfolobus shibatae</i> on DNA supercoiling. <i>Science in China Series C: Life Sciences</i> , 1999, 42, 401-408.	1.3	0

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37	From gene editing to genome reconstitution: evolving techniques in yeast. Yi Chuan = Hereditas / Zhongguo Yi Chuan Xue Hui Bian Ji, 2015, 37, 1021-8.	0.2	0