

Li Huang

List of Publications by Year in descending order

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61
papers

1,348
citations

361413

20
h-index

395702

33
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all docs

62
docs citations

62
times ranked

1345
citing authors

#	ARTICLE	IF	CITATIONS
1	Sulfolobus tengchongensis Spindle-Shaped Virus STSV1: Virus-Host Interactions and Genomic Features. <i>Journal of Virology</i> , 2005, 79, 8677-8686.	3.4	119
2	An Abundant DNA Binding Protein from the Hyperthermophilic Archaeon <i>Sulfolobus shibatae</i> Affects DNA Supercoiling in a Temperature-Dependent Fashion. <i>Journal of Bacteriology</i> , 2000, 182, 3929-3933.	2.2	92
3	Ssh10b, a conserved thermophilic archaeal protein, binds RNA in vivo. <i>Molecular Microbiology</i> , 2003, 50, 1605-1615.	2.5	83
4	Biochemical and structural characterization of Cren7, a novel chromatin protein conserved among Crenarchaea. <i>Nucleic Acids Research</i> , 2008, 36, 1129-1137.	14.5	82
5	Diversity, Biogeography, and Biodegradation Potential of Actinobacteria in the Deep-Sea Sediments along the Southwest Indian Ridge. <i>Frontiers in Microbiology</i> , 2016, 7, 1340.	3.5	76
6	Archaeal Extrachromosomal Genetic Elements. <i>Microbiology and Molecular Biology Reviews</i> , 2015, 79, 117-152.	6.6	64
7	Expansion of <i>Thaumarchaeota</i> habitat range is correlated with horizontal transfer of ATPase operons. <i>ISME Journal</i> , 2019, 13, 3067-3079.	9.8	59
8	Revealing the essentiality of multiple archaeal <i>pcna</i> genes using a mutant propagation assay based on an improved knockout method. <i>Microbiology (United Kingdom)</i> , 2010, 156, 3386-3397.	1.8	58
9	Structural insights into the interaction of the crenarchaeal chromatin protein Cren7 with DNA. <i>Molecular Microbiology</i> , 2010, 76, 749-759.	2.5	44
10	High-throughput single-cell cultivation reveals the underexplored rare biosphere in deep-sea sediments along the Southwest Indian Ridge. <i>Lab on A Chip</i> , 2020, 20, 363-372.	6.0	31
11	Biochemical and Structural Insights into RNA Binding by Ssh10b, a Member of the Highly Conserved Sac10b Protein Family in Archaea. <i>Journal of Biological Chemistry</i> , 2014, 289, 1478-1490.	3.4	30
12	Archaeal chromatin proteins. <i>Science China Life Sciences</i> , 2012, 55, 377-385.	4.9	29
13	One cell at a time: droplet-based microbial cultivation, screening and sequencing. <i>Marine Life Science and Technology</i> , 2021, 3, 169-188.	4.6	29
14	Extraordinary diversity of viruses in deep-sea sediments as revealed by metagenomics without prior virion separation. <i>Environmental Microbiology</i> , 2021, 23, 728-743.	3.8	27
15	Identification and Characterization of a Highly Conserved Crenarchaeal Protein Lysine Methyltransferase with Broad Substrate Specificity. <i>Journal of Bacteriology</i> , 2012, 194, 6917-6926.	2.2	26
16	Genome Sequencing of <i>Sulfolobus</i> sp. A20 from Costa Rica and Comparative Analyses of the Putative Pathways of Carbon, Nitrogen, and Sulfur Metabolism in Various <i>Sulfolobus</i> Strains. <i>Frontiers in Microbiology</i> , 2016, 7, 1902.	3.5	26
17	The Sac10b Homolog in <i>Methanococcus marisaludis</i> Binds DNA at Specific Sites. <i>Journal of Bacteriology</i> , 2009, 191, 2315-2329.	2.2	24
18	Bacterial Viruses Subcommittee and Archaeal Viruses Subcommittee of the ICTV: update of taxonomy changes in 2021. <i>Archives of Virology</i> , 2021, 166, 3239-3244.	2.1	24

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19	Two Conformations of Archaeal Ssh10b. <i>Journal of Biological Chemistry</i> , 2003, 278, 51015-51022.	3.4	23
20	NQO-Induced DNA-Less Cell Formation Is Associated with Chromatin Protein Degradation and Dependent on AOA1-ATPase in <i>Sulfolobus</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 1480.	3.5	23
21	Cultivation of uncultured marine microorganisms. <i>Marine Life Science and Technology</i> , 2021, 3, 117-120.	4.6	23
22	Crystal structure of a DNA binding protein from the hyperthermophilic euryarchaeon <i>Methanococcus jannaschii</i> . <i>Protein Science</i> , 2003, 12, 2815-2822.	7.6	22
23	A primase subunit essential for efficient primer synthesis by an archaeal eukaryotic-type primase. <i>Nature Communications</i> , 2015, 6, 7300.	12.8	18
24	Functional Insights Into Protein Acetylation in the Hyperthermophilic Archaeon <i>Sulfolobus islandicus</i> *. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 1572-1587.	3.8	18
25	The <i>Sulfolobus solfataricus</i> GINS Complex Stimulates DNA Binding and Processive DNA Unwinding by Minichromosome Maintenance Helicase. <i>Journal of Bacteriology</i> , 2015, 197, 3409-3420.	2.2	17
26	<i>Virgibacillus indicus</i> sp. nov. and <i>Virgibacillus profundus</i> sp. nov., two moderately halophilic bacteria isolated from marine sediment by using microfluidic streak plates. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 2015-2023.	1.7	17
27	aKMT Catalyzes Extensive Protein Lysine Methylation in the Hyperthermophilic Archaeon <i>Sulfolobus islandicus</i> but is Dispensable for the Growth of the Organism. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 2908-2923.	3.8	16
28	<i>Fulvimarina manganooxydans</i> sp. nov., isolated from a deep-sea hydrothermal plume in the south-west Indian Ocean. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 2920-2925.	1.7	15
29	Novel <i>Sulfolobus</i> Virus with an Exceptional Capsid Architecture. <i>Journal of Virology</i> , 2018, 92, .	3.4	15
30	Insights into the post-translational modifications of archaeal Sis10b (Alba): lysine 16 is methylated, not acetylated, and this does not regulate transcription or growth. <i>Molecular Microbiology</i> , 2018, 109, 192-208.	2.5	14
31	<i>Gimesia benthica</i> sp. nov., a planctomycete isolated from a deep-sea water sample of the Northwest Indian Ocean. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 4384-4389.	1.7	14
32	Structural and functional characterization of the C-terminal catalytic domain of SSV1 integrase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2012, 68, 659-670.	2.5	13
33	A Stabilizing β -Hydrophobic Core Greatly Contributes to Hyperthermostability of Archaeal [P62A]Ssh10b. <i>Biochemistry</i> , 2008, 47, 11212-11221.	2.5	12
34	Site-Specific Recombination by SSV2 Integrase: Substrate Requirement and Domain Functions. <i>Journal of Virology</i> , 2015, 89, 10934-10944.	3.4	11
35	Architectural roles of Cren7 in folding crenarchaeal chromatin filament. <i>Molecular Microbiology</i> , 2019, 111, 556-569.	2.5	11
36	Archaeal Chromatin Proteins Cren7 and Sul7d Compact DNA by Bending and Bridging. <i>MBio</i> , 2020, 11, .	4.1	11

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37	<i>Phaeocystidibacter marisrubri</i> sp. nov., a member of the family Cryomorphaceae isolated from Red Sea sediment. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 2199-2203.	1.7	11
38	<i>Hyphobacterium indicum</i> sp. nov., isolated from deep seawater, and emended description of the genus <i>Hyphobacterium</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 3760-3765.	1.7	11
39	Interfacial Nanoinjection-Based Nanoliter Single-Cell Analysis. <i>Small</i> , 2020, 16, e1903739.	10.0	9
40	Novel <i>Sulfolobus</i> Fuselloviruses with Extensive Genomic Variations. <i>Journal of Virology</i> , 2020, 94, .	3.4	9
41	Detection of the deep biosphere in metamorphic rocks from the Chinese continental scientific drilling. <i>Geobiology</i> , 2021, 19, 278-291.	2.4	9
42	The extraordinary thermal stability of EstA from <i>S. islandicus</i> is independent of post translational modifications. <i>Protein Science</i> , 2017, 26, 1819-1827.	7.6	8
43	Insights into the interaction between Cren7 and DNA: the role of loop 23-24. <i>Extremophiles</i> , 2015, 19, 395-406.	2.3	7
44	<i>Halovulum marinum</i> sp. nov., isolated from deep-sea water of the Indian Ocean, and emended description of the genus <i>Halovulum</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 4523-4530.	1.7	7
45	<i>Sulfolobus</i> Replication Factor C Stimulates the Activity of DNA Polymerase B1. <i>Journal of Bacteriology</i> , 2014, 196, 2367-2375.	2.2	6
46	Isolation and Characterization of the First Temperate Virus Infecting <i>Psychrobacillus</i> from Marine Sediments. <i>Viruses</i> , 2022, 14, 108.	3.3	6
47	Roles of Leu28 side chain intercalation in the interaction between Cren7 and DNA. <i>Biochemical Journal</i> , 2017, 474, 1727-1739.	3.7	5
48	The Sac10b homolog from <i>Sulfolobus islandicus</i> is an RNA chaperone. <i>Nucleic Acids Research</i> , 2020, 48, 9273-9284.	14.5	5
49	Lysine Methylation Modulates the Interaction of Archaeal Chromatin Protein Cren7 With DNA. <i>Frontiers in Microbiology</i> , 2022, 13, 837737.	3.5	5
50	The Archaeal Transcription Termination Factor α CPSF1 is a Robust Phylogenetic Marker for Archaeal Taxonomy. <i>Microbiology Spectrum</i> , 2021, 9, e0153921.	3.0	5
51	A euryarchaeal histone modulates strand displacement synthesis by replicative DNA polymerases. <i>Science China Life Sciences</i> , 2016, 59, 709-716.	4.9	4
52	Microbes: the hidden giant behind the biogeochemical cycling of elements in the hydrosphere. <i>Science China Life Sciences</i> , 2019, 62, 1271-1274.	4.9	4
53	A Novel Family of Winged-Helix Single-Stranded DNA-Binding Proteins from Archaea. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3455.	4.1	4
54	pTC Plasmids from <i>Sulfolobus</i> Species in the Geothermal Area of Tengchong, China: Genomic Conservation and Naturally-Occurring Variations as a Result of Transposition by Mobile Genetic Elements. <i>Life</i> , 2015, 5, 506-520.	2.4	2

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55	Kinetic insights into the temperature dependence of DNA strand cleavage and religation by topoisomerase III from the hyperthermophile <i>Sulfolobus solfataricus</i> . <i>Scientific Reports</i> , 2017, 7, 5494.	3.3	2
56	Self-assembled bionanoparticles based on the <i>Sulfolobus tengchongensis</i> spindle-shaped virus 1 (STSV1) coat protein as a prospective bioscaffold for nanotechnological applications. <i>Extremophiles</i> , 2014, 18, 745-754.	2.3	1
57	ICTV Virus Taxonomy Profile: Ovaliviridae. <i>Journal of General Virology</i> , 2021, 102, .	2.9	1
58	Construction of a Fusellovirus with a Minimal Set of Genes. <i>ACS Synthetic Biology</i> , 2021, 10, 2617-2627.	3.8	1
59	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
60	<i>mLife</i> : Your journal for cutting-edge research in all microbiological disciplines. , 2022, 1, 1-2.		0
61	Reply to Zrelavs et al. PVJ1 Is Not the First Tailed Temperate Phage Infecting Bacteria from Genus <i>Psychrobacillus</i> . Comment on "Liu et al. Isolation and Characterization of the First Temperate Virus Infecting <i>Psychrobacillus</i> from Marine Sediments. <i>Viruses</i> 2022, 14, 108"; <i>Viruses</i> , 2022, 14, 866.	3.3	0