

Hongan Long

List of Publications by Year in descending order

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35
papers

1,765
citations

471509

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361022

35
g-index

36
all docs

36
docs citations

36
times ranked

2081
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic drift, selection and the evolution of the mutation rate. <i>Nature Reviews Genetics</i> , 2016, 17, 704-714.	16.3	648
2	Antibiotic treatment enhances the genome-wide mutation rate of target cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E2498-505.	7.1	172
3	The Spontaneous Mutation Rate in the Fission Yeast <i>Schizosaccharomyces pombe</i> . <i>Genetics</i> , 2015, 201, 737-744.	2.9	127
4	Evolutionary determinants of genome-wide nucleotide composition. <i>Nature Ecology and Evolution</i> , 2018, 2, 237-240.	7.8	126
5	Mutation Rate, Spectrum, Topology, and Context-Dependency in the DNA Mismatch Repair-Deficient <i>Pseudomonas fluorescens</i> ATCC948. <i>Genome Biology and Evolution</i> , 2015, 7, 262-271.	2.5	62
6	Biodiversity-based development and evolution: the emerging research systems in model and non-model organisms. <i>Science China Life Sciences</i> , 2021, 64, 1236-1280.	4.9	60
7	Background Mutational Features of the Radiation-Resistant Bacterium <i>Deinococcus radiodurans</i> . <i>Molecular Biology and Evolution</i> , 2015, 32, 2383-2392.	8.9	58
8	A Male-Specific Genetic Map of the Microcrustacean <i>Daphnia pulex</i> Based on Single-Sperm Whole-Genome Sequencing. <i>Genetics</i> , 2015, 201, 31-38.	2.9	52
9	The Rate and Spectrum of Spontaneous Mutations in <i>Mycobacterium smegmatis</i> , a Bacterium Naturally Devoid of the Postreplicative Mismatch Repair Pathway. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 2157-2163.	1.8	48
10	Specificity of the DNA Mismatch Repair System (MMR) and Mutagenesis Bias in Bacteria. <i>Molecular Biology and Evolution</i> , 2018, 35, 2414-2421.	8.9	42
11	Similar Mutation Rates but Highly Diverse Mutation Spectra in Ascomycete and Basidiomycete Yeasts. <i>Genome Biology and Evolution</i> , 2016, 8, 3815-3821.	2.5	40
12	Low Base-Substitution Mutation Rate in the Germline Genome of the Ciliate <i>Tetrahymena thermophil</i> . <i>Genome Biology and Evolution</i> , 2016, 8, evw223.	2.5	38
13	Morphological studies indicate that <i>Pleuronema grolierei</i> nov. spec. and <i>P. coronatum</i> Kent, 1881 represent different sections of the genus <i>Pleuronema</i> (Ciliophora: Scuticociliatida). <i>European Journal of Protistology</i> , 2008, 44, 131-140.	1.5	24
14	Redescriptions of Two Marine Hypotrichous Ciliates, <i>Diophrys irmgard</i> and <i>D. hystrix</i> (Ciliophora,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 283-296.	1.7	23
15	Accumulation of Spontaneous Mutations in the Ciliate <i>Tetrahymena thermophila</i> . <i>Genetics</i> , 2013, 195, 527-540.	2.9	22
16	Genome-Wide Mutation Rate Response to pH Change in the Coral Reef Pathogen <i>Vibrio shilonii</i> AK1. <i>MBio</i> , 2017, 8, .	4.1	21
17	Limited Mutation-Rate Variation Within the <i>Paramecium aurelia</i> Species Complex. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 2523-2526.	1.8	21
18	Cost-reduction strategies in massive genomics experiments. <i>Marine Life Science and Technology</i> , 2019, 1, 15-21.	4.6	20

#	ARTICLE	IF	CITATIONS
19	Ciliates " Protists with complex morphologies and ambiguous early fossil record. <i>Marine Micropaleontology</i> , 2015, 119, 1-6.	1.2	17
20	Variable Spontaneous Mutation and Loss of Heterozygosity among Heterozygous Genomes in Yeast. <i>Molecular Biology and Evolution</i> , 2020, 37, 3118-3130.	8.9	17
21	Taxonomic studies on three marine species of <i>Frontonia</i> from northern China: <i>F. didieri</i> n. sp., <i>F. multinucleata</i> n. sp. and <i>F. tchibisovae</i> Burkovsky, 1970 (Ciliophora: Peniculida). <i>Zootaxa</i> , 2008, 1687, 35.	0.5	15
22	The Glyphosate-Based Herbicide Roundup Does Not Elevate Genome-Wide Mutagenesis of <i>Escherichia coli</i> . <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 3331-3335.	1.8	14
23	<i>Frontonia lynni</i> n. sp., a new marine ciliate (Protozoa, Ciliophora, Hymenostomatida) from Qingdao, China. <i>Zootaxa</i> , 2005, 1003, 57-64.	0.5	13
24	Morphological studies on two marine colepid ciliates from Qingdao, China, <i>Nolandia orientalis</i> spec. nov. and <i>Pinacocoleps similis</i> (Kahl, 1933) comb. nov. (Ciliophora, Colepidae). <i>European Journal of Protistology</i> , 2010, 46, 254-262.	1.5	13
25	Diverse modes of reproduction in the marine free-living ciliate <i>Glaucanema trihymene</i> . <i>BMC Microbiology</i> , 2010, 10, 108.	3.3	10
26	The insect-killing bacterium <i>Photobacterium luminescens</i> has the lowest mutation rate among bacteria. <i>Marine Life Science and Technology</i> , 2021, 3, 20-27.	4.6	10
27	Studies on an endoparasitic ciliate <i>Boveria labialis</i> (Protozoa: Ciliophora) from the sea cucumber, <i>Apostichopus japonicus</i> . <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2006, 86, 823-828.	0.8	9
28	Rates of Mutations and Transcript Errors in the Foodborne Pathogen <i>Salmonella enterica</i> subsp. <i>enterica</i> . <i>Molecular Biology and Evolution</i> , 2022, 39, .	8.9	9
29	Morphology and Small Subunit rDNA Gene Sequence of <i>Pseudoamphisiella quadrinucleata</i> n. sp. (Ciliophora, Urostylida) from the South China Sea. <i>Journal of Eukaryotic Microbiology</i> , 2008, 55, 510-514.	1.7	8
30	Two New Ciliates from Hong Kong Coastal Water: <i>Orthodonella sinica</i> n. sp. and <i>Apokeronopsis wrighti</i> n. sp. (Protozoa: Ciliophora). <i>Journal of Eukaryotic Microbiology</i> , 2008, 55, 321-330.	1.7	7
31	Morphological redescription of two endocommensal ciliates, <i>Entorhipidium fukuui</i> Uyemura, 1934 and <i>Madsenia indomita</i> (Madsen, 1931) Kahl, 1934 from digestive tracts of sea urchins of the Yellow Sea, China (Ciliophora; Scuticociliatida). <i>European Journal of Protistology</i> , 2007, 43, 101-114.	1.5	6
32	Three marine haptorid ciliates from northern China: <i>Paraspathidium apofuscum</i> n. sp., <i>Trachelotractus entzi</i> (Kahl, 1927) Foissner, 1997 and <i>Apotrachelotractus variabilis</i> Long, Song and Warren, 2009 (Protozoa, Ciliophora). <i>Journal of Natural History</i> , 2009, 43, 1749-1761.	0.5	6
33	First record and redefinition of the Qingdao population of marine ciliate <i>Cardiostomatella vermiformis</i> (Kahl, 1928) Corliss, 1960 (Protozoa, Ciliophora). <i>Journal of Ocean University of China</i> , 2007, 6, 387-392.	1.2	2
34	Unexpected Discovery of Hypermutator Phenotype Sounds the Alarm for Quality Control Strains. <i>Genome Biology and Evolution</i> , 2021, 13, .	2.5	2
35	Mutational Robustness of Morphological Traits in the Ciliate <i>Tetrahymena thermophila</i> . <i>Journal of Eukaryotic Microbiology</i> , 2015, 62, 249-254.	1.7	1