Weilong Hao

List of Publications by Year
in descending order

40 papers	1,497 citations	393982 19 h-index	360668 35 g-index
40 all docs	40 docs citations	40 times ranked	2222 citing authors

#	ARTICLE	IF	CITATIONS
1	The fate of laterally transferred genes: Life in the fast lane to adaptation or death. Genome Research, 2006, 16, 636-643.	2.4	164
2	Microflora of the Gastrointestinal Tract: A Review. , 2004, 268, 491-502.		161
3	Horizontal acquisition of multiple mitochondrial genes from a parasitic plant followed by gene conversion with host mitochondrial genes. BMC Biology, 2010, 8, 150.	1.7	104
4	Strand-biased cytosine deamination at the replication fork causes cytosine to thymine mutations in <i>Escherichia coli</i>. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2176-2181.	3.3	94
5	Gorgeous mosaic of mitochondrial genes created by horizontal transfer and gene conversion. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21576-21581.	3.3	88
6	Gene Gain and Gene Loss in Streptococcus: Is It Driven by Habitat?. Molecular Biology and Evolution, 2006, 23, 2379-2391.	3.5	78
7	Novel genetic code and record-setting AT-richness in the highly reduced plastid genome of the holoparasitic plant <i>Balanophora</i>. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 934-943.	3.3	66
8	Horizontal Transfer and Gene Conversion as an Important Driving Force in Shaping the Landscape of Mitochondrial Introns. G3: Genes, Genomes, Genetics, 2014, 4, 605-612.	0.8	65
9	Fine-scale mergers of chloroplast and mitochondrial genes create functional, transcompartmentally chimeric mitochondrial genes. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 16728-16733.	3.3	64
10	The role of laterally transferred genes in adaptive evolution. BMC Evolutionary Biology, 2007, 7, S8.	3.2	63
11	Extensive Horizontal Transfer and Homologous Recombination Generate Highly Chimeric Mitochondrial Genomes in Yeast. Molecular Biology and Evolution, 2015, 32, 2559-2570.	3.5	54
12	Patterns of Bacterial Gene Movement. Molecular Biology and Evolution, 2004, 21, 1294-1307.	3.5	50
13	Extensive Genomic Variation within Clonal Complexes of Neisseria meningitidis. Genome Biology and Evolution, 2011, 3, 1406-1418.	1.1	36
14	Homologous Recombination Drives Both Sequence Diversity and Gene Content Variation in Neisseria meningitidis. Genome Biology and Evolution, 2013, 5, 1611-1627.	1.1	34
15	Genetic Drift and Indel Mutation in the Evolution of Yeast Mitochondrial Genome Size. Genome Biology and Evolution, 2017, 9, 3088-3099.	1.1	31
16	Uncovering rate variation of lateral gene transfer during bacterial genome evolution. BMC Genomics, 2008, 9, 235.	1.2	29
17	A Dynamic Mobile DNA Family in the Yeast Mitochondrial Genome. G3: Genes, Genomes, Genetics, 2015, 5, 1273-1282.	0.8	24
18	Mitochondrialâ€encoded endonucleases drive recombination of proteinâ€coding genes in yeast. Environmental Microbiology, 2019, 21, 4233-4240.	1.8	24

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19	OrgConv: detection of gene conversion using consensus sequences and its application in plant mitochondrial and chloroplast homologs. BMC Bioinformatics, 2010, 11, 114.	1.2	22
20	Phylogenetic Incongruence in E. coli O104: Understanding the Evolutionary Relationships of Emerging Pathogens in the Face of Homologous Recombination. PLoS ONE, 2012, 7, e33971.	1.1	22
21	Asymmetrical Evolution of Cytochrome bd Subunits. Journal of Molecular Evolution, 2006, 62, 132-142.	0.8	21
22	HGT turbulence. Mobile Genetic Elements, 2011, 1, 256-304.	1.8	20
23	Evidence of intra-segmental homologous recombination in influenza A virus. Gene, 2011, 481, 57-64.	1.0	18
24	Variable Spontaneous Mutation and Loss of Heterozygosity among Heterozygous Genomes in Yeast. Molecular Biology and Evolution, 2020, 37, 3118-3130.	3.5	17
25	Rapidly Translated Polypeptides Are Preferred Substrates for Cotranslational Protein Degradation. Journal of Biological Chemistry, 2016, 291, 9827-9834.	1.6	16
26	Origin and Spread of Spliceosomal Introns: Insights from the Fungal Clade Zymoseptoria. Genome Biology and Evolution, 2017, 9, 2658-2667.	1.1	16
27	Evolution of a Record-Setting AT-Rich Genome: Indel Mutation, Recombination, and Substitution Bias. Genome Biology and Evolution, 2020, 12, 2344-2354.	1.1	16
28	Case study on the soil antibiotic resistome in an urban community garden. International Journal of Antimicrobial Agents, 2018, 52, 241-250.	1.1	14
29	Does Gene Translocation Accelerate the Evolution of Laterally Transferred Genes?. Genetics, 2009, 182, 1365-1375.	1.2	13
30	Escherichia coliO104:H4 Infections and International Travel. Emerging Infectious Diseases, 2012, 18, 473-476.	2.0	13
31	Inferring Bacterial Genome Flux While Considering Truncated Genes. Genetics, 2010, 186, 411-426.	1.2	12
32	DiscML: an R package for estimating evolutionary rates of discrete characters using maximum likelihood. BMC Bioinformatics, 2014, 15, 320.	1.2	12
33	From Genome Variation to Molecular Mechanisms: What we Have Learned From Yeast Mitochondrial Genomes?. Frontiers in Microbiology, 2022, 13, 806575.	1.5	9
34	High rates of lateral gene transfer are not due to false diagnosis of gene absence. Gene, 2008, 421, 27-31.	1.0	7
35	Human Fecal Water Modifies Adhesion of Intestinal Bacteria to Caco-2 Cells. Nutrition and Cancer, 2005, 52, 35-42.	0.9	6
36	Unrecognized fine-scale recombination can mimic the effects of adaptive radiation. Gene, 2013, 518, 483-488.	1.0	4

#	Article	IF	Citations
37	The Absence of Calponin 2 in Rabbits Suggests Caution in Choosing Animal Models. Frontiers in Bioengineering and Biotechnology, 2020, 8, 42.	2.0	4
38	Extensive genomic variation within clonal bacterial groups resulted from homologous recombination. Mobile Genetic Elements, 2013, 3, e23463.	1.8	3
39	Identification of Conflicting Selective Effects on Highly Expressed Genes. Evolutionary Bioinformatics, 2007, 3, 117693430700300.	0.6	2
40	Fast rates of evolution in bacteria due to horizontal gene transfer. , 2012, , 64-72.		1