Ulfar Bergthorsson

List of Publications by Year
in descending order

28 papers	2,131 citations	361413 20 h-index	501196 28 g-index
32 all docs	32 docs citations	32 times ranked	2638 citing authors

#	Article	IF	Citations
1	Widespread horizontal transfer of mitochondrial genes in flowering plants. Nature, 2003, 424, 197-201.	27.8	433
2	Ohno's dilemma: Evolution of new genes under continuous selection. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 17004-17009.	7.1	313
3	Massive horizontal transfer of mitochondrial genes from diverse land plant donors to the basal angiosperm Amborella. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 17747-17752.	7.1	240
4	Amplificationâ€“mutagenesis: Evidence that â€œdirectedâ€•adaptive mutation and general hypermutability result from growth with a selected gene amplification. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 2164-2169.	7.1	159
5	Copy-number changes in evolution: rates, fitness effects and adaptive significance. Frontiers in Genetics, 2013, 4, 273.	2.3	126
6	High Spontaneous Rate of Gene Duplication in Caenorhabditis elegans. Current Biology, 2011, 21, 306-310.	3.9	116
7	Old Trade, New Tricks: Insights into the Spontaneous Mutation Process from the Partnering of Classical Mutation Accumulation Experiments with High-Throughput Genomic Approaches. Genome Biology and Evolution, 2019, 11, 136-165.	2.5	110
8	Regulation of NAD Synthesis by the Trifunctional NadR Protein of Salmonella enterica. Journal of Bacteriology, 2005, 187, 2774-2782.	2.2	63
9	Mitochondrial Mutation Rate, Spectrum and Heteroplasmy in Caenorhabditis elegans Spontaneous Mutation Accumulation Lines of Differing Population Size. Molecular Biology and Evolution, 2017, 34, msx051.	8.9	57
10	Mutational and transcriptional landscape of spontaneous gene duplications and deletions in Caenorhabditis elegans. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7386-7391.	7.1	57
11	Formation of an Fâ€² Plasmid by Recombination between Imperfectly Repeated Chromosomal Rep Sequences: a Closer Look at an Old Friend (Fâ€² 128 pro lac). Journal of Bacteriology, 2003, 185, 660-663.	2.2	44
12	Effect of Chromosome Location on Bacterial Mutation Rates. Molecular Biology and Evolution, 2002, 19, 85-92.	8.9	40
13	Transcription increases multiple spontaneous point mutations in Salmonella enterica. Nucleic Acids Research, 2003, 31, 4517-4522.	14.5	40
14	Rapid Increase in frequency of gene copy-number variants during experimental evolution in Caenorhabditis elegans. BMC Genomics, 2015, 16, 1044.	2.8	40
15	Evolutionary pattern and process within the Vertigo gouldii (Mollusca: Pulmonata, Pupillidae) group of minute North American land snails. Molecular Phylogenetics and Evolution, 2009, 53, 1010-1024.	2.7	38
16	Fitness decline in spontaneous mutation accumulation lines ofCaenorhabditis eleganswith varying effective population sizes. Evolution; International Journal of Organic Evolution, 2015, 69, 104-116.	2.3	37
17	Mutational Landscape of Spontaneous Base Substitutions and Small Indels in Experimental Caenorhabditis elegans Populations of Differing Size. Genetics, 2019, 212, 837-854.	2.9	32
18	Assimilation of Nicotinamide Mononucleotide Requires Periplasmic AphA Phosphatase in Salmonella enterica. Journal of Bacteriology, 2005, 187, 4521-4530.	2.2	31

#	Article	IF	Citations
19	Sex Change by Gene Conversion in a Caenorhabditis elegans fog-2 Mutant. Genetics, 2008, 180, 669-672.	2.9	30
20	Physella acuta: atypical mitochondrial gene order among panpulmonates (Gastropoda). Journal of Molluscan Studies, 2014, 80, 388-399.	1.2	24
21	Rates and patterns of chromosome evolution in enteric bacteria. Current Opinion in Microbiology, 1998, 1, 580-583.	5.1	19
22	The conflict within: origin, proliferation and persistence of a spontaneously arising selfish mitochondrial genome. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190174.	4.0	16
23	Chromosomal Changes during Experimental Evolution in Laboratory Populations of Escherichia coli. Journal of Bacteriology, 1999, 181, 1360-1363.	2.2	16
24	Gene Conversion and DNA Sequence Polymorphism in the Sex-Determination Gene fog-2 and Its Paralog ftr-1 in Caenorhabditis elegans. Molecular Biology and Evolution, 2010, 27, 1561-1569.	8.9	13
25	Genomic and Population-Level Effects of Gene Conversion in Caenorhabditis Paralogs. Genes, 2010, 1, 452-468.	2.4	11
26	Mutation rate and spectrum in obligately outcrossing Caenorhabditis elegans mutation accumulation lines subjected to RNAi-induced knockdown of the mismatch repair gene msh-2. G3: Genes, Genomes, Genetics, 2022, 12, .	1.8	11
27	Natural Isolates of Salmonella enterica Serovar Dublin Carry a Single nadA Missense Mutation. Journal of Bacteriology, 2005, 187, 400-403.	2.2	10
28	Mitonuclear Mismatch is Associated With Increased Male Frequency, Outcrossing, and Male Sperm Size in Experimentally-Evolved C. elegans. Frontiers in Genetics, 2022, 13, 742272.	2.3	4