

Vaishali Katju

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,507
citations

471509

17
h-index

501196

28
g-index

35
all docs

35
docs citations

35
times ranked

2026
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutation rate and spectrum in obligately outcrossing <i>Caenorhabditis elegans</i> mutation accumulation lines subjected to RNAi-induced knockdown of the mismatch repair gene <i>msh-2</i> . <i>G3: Genes, Genomes, Genetics</i> , 2022, 12, .	1.8	11
2	Mitochondrial Mismatch is Associated With Increased Male Frequency, Outcrossing, and Male Sperm Size in Experimentally-Evolved <i>C. elegans</i> . <i>Frontiers in Genetics</i> , 2022, 13, 742272.	2.3	4
3	The conflict within: origin, proliferation and persistence of a spontaneously arising selfish mitochondrial genome. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190174.	4.0	16
4	Long-term experimental evolution reveals purifying selection on piRNA-mediated control of transposable element expression. <i>BMC Biology</i> , 2020, 18, 162.	3.8	10
5	Epimutations driven by small RNAs arise frequently but most have limited duration in <i>Caenorhabditis elegans</i> . <i>Nature Ecology and Evolution</i> , 2020, 4, 1539-1548.	7.8	33
6	Mutational Landscape of Spontaneous Base Substitutions and Small Indels in Experimental <i>Caenorhabditis elegans</i> Populations of Differing Size. <i>Genetics</i> , 2019, 212, 837-854.	2.9	32
7	Old Trade, New Tricks: Insights into the Spontaneous Mutation Process from the Partnering of Classical Mutation Accumulation Experiments with High-Throughput Genomic Approaches. <i>Genome Biology and Evolution</i> , 2019, 11, 136-165.	2.5	110
8	Fitness decline under osmotic stress in <i>Caenorhabditis elegans</i> populations subjected to spontaneous mutation accumulation at varying population sizes. <i>Evolution; International Journal of Organic Evolution</i> , 2018, 72, 1000-1008.	2.3	20
9	Mutational and transcriptional landscape of spontaneous gene duplications and deletions in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7386-7391.	7.1	57
10	Mitochondrial Mutation Rate, Spectrum and Heteroplasmy in <i>Caenorhabditis elegans</i> Spontaneous Mutation Accumulation Lines of Differing Population Size. <i>Molecular Biology and Evolution</i> , 2017, 34, msx051.	8.9	57
11	Fitness decline in spontaneous mutation accumulation lines of <i>Caenorhabditis elegans</i> with varying effective population sizes. <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 104-116.	2.3	37
12	Rapid Increase in frequency of gene copy-number variants during experimental evolution in <i>Caenorhabditis elegans</i> . <i>BMC Genomics</i> , 2015, 16, 1044.	2.8	40
13	Early evolutionary history and genomic features of gene duplicates in the human genome. <i>BMC Genomics</i> , 2015, 16, 621.	2.8	6
14	To the beat of a different drum: determinants implicated in the asymmetric sequence divergence of <i>Caenorhabditis elegans</i> paralogs. <i>BMC Evolutionary Biology</i> , 2013, 13, 73.	3.2	8
15	Copy-number changes in evolution: rates, fitness effects and adaptive significance. <i>Frontiers in Genetics</i> , 2013, 4, 273.	2.3	126
16	In with the Old, in with the New: The Promiscuity of the Duplication Process Engenders Diverse Pathways for Novel Gene Creation. <i>International Journal of Evolutionary Biology</i> , 2012, 2012, 1-24.	1.0	35
17	High Spontaneous Rate of Gene Duplication in <i>Caenorhabditis elegans</i> . <i>Current Biology</i> , 2011, 21, 306-310.	3.9	116
18	Local synteny and codon usage contribute to asymmetric sequence divergence of <i>Saccharomyces cerevisiae</i> gene duplicates. <i>BMC Evolutionary Biology</i> , 2011, 11, 279.	3.2	8

#	ARTICLE	IF	CITATIONS
19	Genomic and Population-Level Effects of Gene Conversion in <i>Caenorhabditis</i> Paralogs. <i>Genes</i> , 2010, 1, 452-468.	2.4	11
20	Gene Conversion and DNA Sequence Polymorphism in the Sex-Determination Gene <i>fog-2</i> and Its Paralog <i>ftt-1</i> in <i>Caenorhabditis elegans</i> . <i>Molecular Biology and Evolution</i> , 2010, 27, 1561-1569.	8.9	13
21	Variation in gene duplicates with low synonymous divergence in <i>Saccharomyces cerevisiae</i> relative to <i>Caenorhabditis elegans</i> . <i>Genome Biology</i> , 2009, 10, R75.	9.6	15
22	Sex Change by Gene Conversion in a <i>Caenorhabditis elegans fog-2</i> Mutant. <i>Genetics</i> , 2008, 180, 669-672.	2.9	30
23	Haploid Females in the Parasitic Wasp <i>Nasonia vitripennis</i> . <i>Science</i> , 2007, 315, 206-206.	12.6	31
24	Inheritance of Gynandromorphism in the Parasitic Wasp <i>Nasonia vitripennis</i> . <i>Genetics</i> , 2007, 175, 1321-1333.	2.9	25
25	On the Formation of Novel Genes by Duplication in the <i>Caenorhabditis elegans</i> Genome. <i>Molecular Biology and Evolution</i> , 2006, 23, 1056-1067.	8.9	92
26	The altered evolutionary trajectories of gene duplicates. <i>Trends in Genetics</i> , 2004, 20, 544-549.	6.7	267
27	The Structure and Early Evolution of Recently Arisen Gene Duplicates in the <i>Caenorhabditis elegans</i> Genome. <i>Genetics</i> , 2003, 165, 1793-1803.	2.9	139
28	<i>WOLBACHIA</i> AND THE EVOLUTION OF REPRODUCTIVE ISOLATION BETWEEN <i>DROSOPHILA RECENS</i> AND <i>DROSOPHILA SUBQUINARIA</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1999, 53, 1157-1164.	2.3	152