Suzanne Estes

List of Publications by Year
in descending order

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32 papers	1,323 citations	516710 16 h-index	434195 31 g-index
32 all docs	32 docs citations	32 times ranked	1487 citing authors

#	Article	IF	Citations
1	Resolving the Paradox of Stasis: Models with Stabilizing Selection Explain Evolutionary Divergence on All Timescales. American Naturalist, 2007, 169, 227-244.	2.1	389
2	Mutation Accumulation in Populations of Varying Size: The Distribution of Mutational Effects for Fitness Correlates in Caenorhabditis elegans. Genetics, 2004, 166, 1269-1279.	2.9	100
3	Experimental Evolution with Caenorhabditis Nematodes. Genetics, 2017, 206, 691-716.	2.9	94
4	Spontaneous Mutational Correlations for Life-History, Morphological and Behavioral Characters in Caenorhabditis elegans. Genetics, 2005, 170, 645-653.	2.9	92
5	RAPID FITNESS RECOVERY IN MUTATIONALLY DEGRADED LINES OF CAENORHABDITIS ELEGANS. Evolution; International Journal of Organic Evolution, 2003, 57, 1022-1030.	2.3	79
6	Abundance, Distribution, and Mutation Rates of Homopolymeric Nucleotide Runs in the Genome of Caenorhabditis elegans. Journal of Molecular Evolution, 2004, 58, 584-595.	1.8	63
7	Selfish Little Circles: Transmission Bias and Evolution of Large Deletion-Bearing Mitochondrial DNA in Caenorhabditis briggsae Nematodes. PLoS ONE, 2012, 7, e41433.	2.5	51
8	Mutation Rates, Spectra and Hotspots in Mismatch Repair-Deficient Caenorhabditis elegansSequence data from this article have been deposited with the EMBL/GenBank Data Libraries under accession nos. AY863110, AY863111, AY863112, AY863113, AY863114, AY863115, AY863116, AY863117, AY863118, AY863119, AY863120, AY863121, AY863122, AY863123, AY863124, AY863125, AY863126, AY863127, AY863128, AY863129, AY863130, AY863131, AY863132, AY863133, AY863134, AY863135, AY863136, AY863137, AY863138, AY863139, AY863140, AY86. Genetics, 2005, 170, 107-113.	2.9	45
9	FITNESS RECOVERY AND COMPENSATORY EVOLUTION IN NATURAL MUTANT LINES OF C. ELEGANS. Evolution; International Journal of Organic Evolution, 2011, 65, 2335-2344.	2.3	40
10	Behavioral Degradation Under Mutation Accumulation in Caenorhabditis elegans. Genetics, 2005, 170, 655-660.	2.9	38
11	Selective sweeps and parallel mutation in the adaptive recovery from deleterious mutation in Caenorhabditis elegans. Genome Research, 2010, 20, 1663-1671.	5.5	34
12	Natural variation in life history and aging phenotypes is associated with mitochondrial DNA deletion frequency in Caenorhabditis briggsae. BMC Evolutionary Biology, 2011, 11, 11.	3.2	33
13	In Vivo Quantification Reveals Extensive Natural Variation in Mitochondrial Form and Function in Caenorhabditis briggsae. PLoS ONE, 2012, 7, e43837.	2.5	31
14	Selfish Mitochondrial DNA Proliferates and Diversifies in Small, but not Large, Experimental Populations ofCaenorhabditis briggsae. Genome Biology and Evolution, 2015, 7, 2023-2037.	2.5	30
15	Endogenous ROS levels in C. elegans under exogenous stress support revision of oxidative stress theory of life-history tradeoffs. BMC Evolutionary Biology, 2014, 14, 161.	3.2	23
16	VARIATION IN PLEIOTROPY AND THE MUTATIONAL UNDERPINNINGS OF THE G-MATRIX. Evolution; International Journal of Organic Evolution, 2006, 60, 2655-2660.	2.3	21
17	RAPID FITNESS RECOVERY IN MUTATIONALLY DEGRADED LINES OF CAENORHABDITIS ELEGANS. Evolution; International Journal of Organic Evolution, 2003, 57, 1022.	2.3	18
18	Sex and Mitonuclear Adaptation in Experimental Caenorhabditis elegans Populations. Genetics, 2019, 211, 1045-1058.	2.9	18

#	Article	IF	Citations
19	Beyond the Powerhouse: Integrating Mitonuclear Evolution, Physiology, and Theory in Comparative Biology. Integrative and Comparative Biology, 2019, 59, 856-863.	2.0	17
20	Paths of Heritable Mitochondrial DNA Mutation and Heteroplasmy in Reference and gas-1 Strains of Caenorhabditis elegans. Frontiers in Genetics, 2016, 7, 51.	2.3	16
21	Paternal Mitochondrial Transmission in Intra-SpeciesCaenorhabditis briggsaeHybrids: Table 1. Molecular Biology and Evolution, 2016, 33, 3158-3160.	8.9	15
22	A Caenorhabditis elegans behavioral assay distinguishes early stage prostate cancer patient urine from controls. Biology Open, 2021, 10, .	1.2	11
23	Adaptive Evolution under Extreme Genetic Drift in Oxidatively Stressed Caenorhabditis elegans. Genome Biology and Evolution, 2017, 9, 3008-3022.	2.5	10
24	Constitutive MAP-kinase activation suppresses germline apoptosis in NTH-1 DNA glycosylase deficient C. elegans. DNA Repair, 2018, 61, 46-55.	2.8	10
25	Natural variation in Caenorhabditis briggsae mitochondrial form and function suggests a novel model of organelle dynamics. Mitochondrion, 2013, 13, 44-51.	3.4	9
26	Variation in pleiotropy and the mutational underpinnings of the G-matrix. Evolution; International Journal of Organic Evolution, 2006, 60, 2655-60.	2.3	8
27	Evolution of a Higher Intracellular Oxidizing Environment in Caenorhabditis elegans under Relaxed Selection. PLoS ONE, 2013, 8, e65604.	2.5	7
28	VARIATION IN PLEIOTROPY AND THE MUTATIONAL UNDERPINNINGS OF THE G-MATRIX. Evolution; International Journal of Organic Evolution, 2006, 60, 2655.	2.3	7
29	Mitochondrial DNA Variation and Selfish Propagation Following Experimental Bottlenecking in Two Distantly Related Caenorhabditis briggsae Isolates. Genes, 2020, 11, 77.	2.4	5
30	Complex Transmission Patterns and Age-Related Dynamics of a Selfish mtDNA Deletion. Integrative and Comparative Biology, 2019, 59, 983-993.	2.0	4
31	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
32	The Experimental Study of Reverse Evolution. , 2009, , 134-171.		1