

# Asher D Cutter

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1024664/publications.pdf>

Version: 2024-02-01

92  
papers

5,414  
citations

66343

42  
h-index

106344

65  
g-index

115  
all docs

115  
docs citations

115  
times ranked

5158  
citing authors

#	ARTICLE	IF	CITATIONS
1	The distribution of mutational effects on fitness in <i>Caenorhabditis elegans</i> inferred from standing genetic variation. <i>Genetics</i> , 2022, 220, .	2.9	9
2	Widespread misregulation of inter-species hybrid transcriptomes due to sex-specific and sex-chromosome regulatory evolution. <i>PLoS Genetics</i> , 2021, 17, e1009409.	3.5	31
3	Speciation and the developmental alarm clock. <i>ELife</i> , 2020, 9, .	6.0	25
4	Molecular evolution across developmental time reveals rapid divergence in early embryogenesis. <i>Evolution Letters</i> , 2019, 3, 359-373.	3.3	16
5	Genome structure predicts modular transcriptome responses to genetic and environmental conditions. <i>Molecular Ecology</i> , 2019, 28, 3681-3697.	3.9	10
6	Reproductive transitions in plants and animals: selfing syndrome, sexual selection and speciation. <i>New Phytologist</i> , 2019, 224, 1080-1094.	7.3	74
7	Neuro-genetic plasticity of <i>Caenorhabditis elegans</i> behavioral thermal tolerance. <i>BMC Neuroscience</i> , 2019, 20, 26.	1.9	16
8	Genetically Distinct Behavioral Modules Underlie Natural Variation in Thermal Performance Curves. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 2135-2151.	1.8	8
9	Males, Outcrossing, and Sexual Selection in <i>Caenorhabditis</i> Nematodes. <i>Genetics</i> , 2019, 213, 27-57.	2.9	49
10	Genetic basis to hybrid inviability is more complex than hybrid male sterility in <i>Caenorhabditis</i> nematodes. <i>Heredity</i> , 2018, 121, 169-182.	2.6	24
11	Rapid genome shrinkage in a self-fertile nematode reveals sperm competition proteins. <i>Science</i> , 2018, 359, 55-61.	12.6	102
12	X exceptionalism in <i>Caenorhabditis</i> speciation. <i>Molecular Ecology</i> , 2018, 27, 3925-3934.	3.9	18
13	Demographic consequences of reproductive interference in multi-species communities. <i>BMC Ecology</i> , 2018, 18, 46.	3.0	9
14	Genetic Contributions to Ectopic Sperm Cell Migration in <i>Caenorhabditis</i> Nematodes. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 3891-3902.	1.8	7
15	Ephemeral-habitat colonization and neotropical species richness of <i>Caenorhabditis</i> nematodes. <i>BMC Ecology</i> , 2017, 17, 43.	3.0	34
16	Hitting two birds with one stone: The unforeseen consequences of nested gene knockouts in <i>Caenorhabditis elegans</i> . <i>Worm</i> , 2016, 5, e1156835.	1.0	3
17	Comparative genomic analysis of upstream miRNA regulatory motifs in <i>Caenorhabditis</i> . <i>Rna</i> , 2016, 22, 968-978.	3.5	2
18	Ephemeral ecological speciation and the latitudinal biodiversity gradient. <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 2171-2185.	2.3	65

#	ARTICLE	IF	CITATIONS
19	Convergent evolution of sperm gigantism and the developmental origins of sperm size variability in <i>Caenorhabditis</i> nematodes. <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 2485-2503.	2.3	23
20	<i>Caenorhabditis</i> evolution in the wild. <i>BioEssays</i> , 2015, 37, 983-995.	2.5	59
21	When natural selection gives gene function the cold shoulder. <i>BioEssays</i> , 2015, 37, 1169-1173.	2.5	17
22	Gametic selection, developmental trajectories, and extrinsic heterogeneity in Haldane's rule. <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 2005-2017.	2.3	32
23	Reproductive Mode and the Evolution of Genome Size and Structure in <i>Caenorhabditis</i> Nematodes. <i>PLoS Genetics</i> , 2015, 11, e1005323.	3.5	102
24	Full-genome evolutionary histories of selfing, splitting, and selection in <i>Caenorhabditis</i> . <i>Genome Research</i> , 2015, 25, 667-678.	5.5	92
25	Comparative functional characterization of the CSR-1 22G-RNA pathway in <i>Caenorhabditis</i> nematodes. <i>Nucleic Acids Research</i> , 2015, 43, 208-224.	14.5	38
26	Repeatability, ephemerality and inconvenient truths in the speciation process. <i>Molecular Ecology</i> , 2015, 24, 1643-1644.	3.9	2
27	Intense Sperm-Mediated Sexual Conflict Promotes Reproductive Isolation in <i>Caenorhabditis</i> Nematodes. <i>PLoS Biology</i> , 2014, 12, e1001915.	5.6	61
28	Microevolution of Nematode miRNAs Reveals Diverse Modes of Selection. <i>Genome Biology and Evolution</i> , 2014, 6, 3049-3063.	2.5	15
29	Mainstreaming <i>Caenorhabditis elegans</i> in experimental evolution. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20133055.	2.6	52
30	A Recent Global Selective Sweep on the <i>age-1</i> Phosphatidylinositol 3-OH Kinase Regulator of the Insulin-Like Signaling Pathway Within <i>Caenorhabditis remanei</i> . <i>G3: Genes, Genomes, Genetics</i> , 2014, 4, 1123-1133.	1.8	12
31	Gonad morphogenesis defects drive hybrid male sterility in asymmetric hybrid breakdown of <i>Caenorhabditis</i> nematodes. <i>Evolution &amp; Development</i> , 2014, 16, 362-372.	2.0	23
32	Specialist versus generalist life histories and nucleotide diversity in <i>Caenorhabditis</i> nematodes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20132858.	2.6	51
33	Comparative validation of the <i>D. melanogaster</i> modENCODE transcriptome annotation. <i>Genome Research</i> , 2014, 24, 1209-1223.	5.5	147
34	A Streamlined System for Species Diagnosis in <i>Caenorhabditis</i> (Nematoda: Rhabditidae) with Name Designations for 15 Distinct Biological Species. <i>PLoS ONE</i> , 2014, 9, e94723.	2.5	140
35	Temperature-dependent behaviours are genetically variable in the nematode <i>Caenorhabditis briggsae</i> . <i>Journal of Experimental Biology</i> , 2013, 216, 850-8.	1.7	16
36	Species richness, distribution and genetic diversity of <i>Caenorhabditis</i> nematodes in a remote tropical rainforest. <i>BMC Evolutionary Biology</i> , 2013, 13, 10.	3.2	71

#	ARTICLE	IF	CITATIONS
37	OUTBREEDING DEPRESSION WITH LOW GENETIC VARIATION IN SELFING <i>CAENORHABDITIS</i> NEMATODES. <i>Evolution; International Journal of Organic Evolution</i> , 2013, 67, 3087-3101.	2.3	55
38	Genomic signatures of selection at linked sites: unifying the disparity among species. <i>Nature Reviews Genetics</i> , 2013, 14, 262-274.	16.3	435
39	Molecular hyperdiversity and evolution in very large populations. <i>Molecular Ecology</i> , 2013, 22, 2074-2095.	3.9	67
40	Integrating phylogenetics, phylogeography and population genetics through genomes and evolutionary theory. <i>Molecular Phylogenetics and Evolution</i> , 2013, 69, 1172-1185.	2.7	63
41	Fine-Scale Signatures of Molecular Evolution Reconcile Models of Indel-Associated Mutation. <i>Genome Biology and Evolution</i> , 2013, 5, 978-986.	2.5	17
42	Molecular hyperdiversity defines populations of the nematode <i>Caenorhabditis brenneri</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 11056-11060.	7.1	90
43	The polymorphic prelude to Batesonâ€ˆDobzhanskyâ€ˆMuller incompatibilities. <i>Trends in Ecology and Evolution</i> , 2012, 27, 209-218.	8.7	163
44	Global Population Genetic Structure of <i>Caenorhabditis remanei</i> Reveals Incipient Speciation. <i>Genetics</i> , 2012, 191, 1257-1269.	2.9	53
45	GENETIC VARIATION FOR POSTZYGOTIC REPRODUCTIVE ISOLATION BETWEEN <i>CAENORHABDITIS BRIGGSÆE</i> AND <i>CAENORHABDITIS</i> SP. 9. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 1180-1195.	2.3	58
46	GENE DUPLICATION IN THE EVOLUTION OF SEXUAL DIMORPHISM. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 1556-1566.	2.3	47
47	Influence of finiteâ€ˆsites mutation, population subdivision and sampling schemes on patterns of nucleotide polymorphism for species with molecular hyperdiversity. <i>Molecular Ecology</i> , 2012, 21, 1345-1359.	3.9	24
48	TEMPERATURE-DEPENDENT FECUNDITY ASSOCIATES WITH LATITUDE IN <i>CAENORHABDITIS BRIGGSÆE</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 52-63.	2.3	69
49	Heritable determinants of male fertilization success in the nematode <i>Caenorhabditis elegans</i> . <i>BMC Evolutionary Biology</i> , 2011, 11, 99.	3.2	30
50	MicroRNA Sequence Variation Potentially Contributes to Within-Species Functional Divergence in the Nematode <i>Caenorhabditis briggsæe</i> . <i>Genetics</i> , 2011, 189, 967-976.	2.9	16
51	Experimental evolution of sperm count in protandrous self-fertilizing hermaphrodites. <i>Journal of Experimental Biology</i> , 2011, 214, 1740-1747.	1.7	21
52	Polymorphism, Divergence, and the Role of Recombination in <i>Saccharomyces cerevisiae</i> Genome Evolution. <i>Molecular Biology and Evolution</i> , 2011, 28, 1745-1754.	8.9	36
53	Molecular population genetics and phenotypic sensitivity to ethanol for a globally diverse sample of the nematode <i>Caenorhabditis briggsæe</i> . <i>Molecular Ecology</i> , 2010, 19, 798-809.	3.9	37
54	Extremely high molecular diversity within the East Asian nematode <i>Caenorhabditis</i> sp. 5. <i>Molecular Ecology</i> , 2010, 19, 5022-5029.	3.9	18

#	ARTICLE	IF	CITATIONS
55	The Evolutionary Dynamics of Operon Distributions in Eukaryote Genomes. <i>Genetics</i> , 2010, 185, 685-693.	2.9	16
56	Natural selection shapes nucleotide polymorphism across the genome of the nematode <i>Caenorhabditis briggsae</i> . <i>Genome Research</i> , 2010, 20, 1103-1111.	5.5	78
57	Molecular evolution inferences from the <i>C. elegans</i> genome. <i>WormBook</i> , 2010, , 1-14.	5.3	2
58	Evolution of the <i>Caenorhabditis elegans</i> Genome. <i>Molecular Biology and Evolution</i> , 2009, 26, 1199-1234.	8.9	109
59	Germline Expression Influences Operon Organization in the <i>Caenorhabditis elegans</i> Genome. <i>Genetics</i> , 2009, 181, 1219-1228.	2.9	40
60	Hakuna Nematoda: genetic and phenotypic diversity in African isolates of <i>Caenorhabditis elegans</i> and <i>C. briggsae</i> . <i>Heredity</i> , 2008, 100, 304-315.	2.6	77
61	On the potential for extinction by Muller's Ratchet in <i>Caenorhabditis elegans</i> . <i>BMC Evolutionary Biology</i> , 2008, 8, 125.	3.2	38
62	Reproductive Evolution: Symptom of a Selfing Syndrome. <i>Current Biology</i> , 2008, 18, R1056-R1058.	3.9	34
63	Patterns of Molecular Evolution in <i>Caenorhabditis</i> Preclude Ancient Origins of Selfing. <i>Genetics</i> , 2008, 178, 2093-2104.	2.9	87
64	Divergence Times in <i>Caenorhabditis</i> and <i>Drosophila</i> Inferred from Direct Estimates of the Neutral Mutation Rate. <i>Molecular Biology and Evolution</i> , 2008, 25, 778-786.	8.9	220
65	Multilocus Patterns of Polymorphism and Selection Across the X Chromosome of <i>Caenorhabditis remanei</i> . <i>Genetics</i> , 2008, 178, 1661-1672.	2.9	25
66	Population frequencies of transposable elements in selfing and outcrossing <i>Caenorhabditis</i> nematodes. <i>Genetical Research</i> , 2008, 90, 317-329.	0.9	50
67	Fossil leaf economics quantified: calibration, Eocene case study, and implications. <i>Paleobiology</i> , 2007, 33, 574-589.	2.0	107
68	INBREEDING AND OUTBREEDING DEPRESSION IN CAENORHABDITIS NEMATODES. <i>Evolution; International Journal of Organic Evolution</i> , 2007, 61, 1339-1352.	2.3	179
69	Selection Intensity on Preferred Codons Correlates with Overall Codon Usage Bias in <i>Caenorhabditis remanei</i> . <i>Current Biology</i> , 2006, 16, 2053-2057.	3.9	48
70	Integrating patterns of polymorphism at SNPs and STRs. <i>Trends in Genetics</i> , 2006, 22, 424-429.	6.7	45
71	High Nucleotide Polymorphism and Rapid Decay of Linkage Disequilibrium in Wild Populations of <i>Caenorhabditis remanei</i> . <i>Genetics</i> , 2006, 174, 901-913.	2.9	112
72	The Evolution of Biased Codon and Amino Acid Usage in Nematode Genomes. <i>Molecular Biology and Evolution</i> , 2006, 23, 2303-2315.	8.9	84

#	ARTICLE	IF	CITATIONS
73	Postcopulatory Sexual Selection Reduces Genetic Diversity in Experimental Populations of <i>Caenorhabditis elegans</i> . <i>Journal of Heredity</i> , 2006, 98, 67-72.	2.4	10
74	Patterns of Nucleotide Polymorphism Distinguish Temperate and Tropical Wild Isolates of <i>Caenorhabditis briggsae</i> . <i>Genetics</i> , 2006, 173, 2021-2031.	2.9	100
75	Nucleotide Polymorphism and Linkage Disequilibrium in Wild Populations of the Partial Selfer <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2006, 172, 171-184.	2.9	154
76	Mutation and the experimental evolution of outcrossing in <i>Caenorhabditis elegans</i> . <i>Journal of Evolutionary Biology</i> , 2005, 18, 27-34.	1.7	52
77	Transposable Element Orientation Bias in the <i>Drosophila melanogaster</i> Genome. <i>Journal of Molecular Evolution</i> , 2005, 61, 733-741.	1.8	18
78	Sexual and Temporal Dynamics of Molecular Evolution in <i>C. elegans</i> Development. <i>Molecular Biology and Evolution</i> , 2005, 22, 178-188.	8.9	103
79	SPERM-LIMITED FECUNDITY IN NEMATODES: HOW MANY SPERM ARE ENOUGH?. <i>Evolution; International Journal of Organic Evolution</i> , 2004, 58, 651.	2.3	26
80	The Kin Composition of Social Groups: Trading Group Size for Degree of Altruism. <i>American Naturalist</i> , 2004, 164, 132-144.	2.1	55
81	SPERM-LIMITED FECUNDITY IN NEMATODES: HOW MANY SPERM ARE ENOUGH?. <i>Evolution; International Journal of Organic Evolution</i> , 2004, 58, 651-655.	2.3	46
82	Clustered Organization of Reproductive Genes in the <i>C. elegans</i> Genome. <i>Current Biology</i> , 2004, 14, 1284-1290.	3.9	47
83	Sperm-limited fecundity in nematodes: how many sperm are enough?. <i>Evolution; International Journal of Organic Evolution</i> , 2004, 58, 651-5.	2.3	25
84	Rates of deleterious mutation and the evolution of sex in <i>Caenorhabditis</i> . <i>Journal of Evolutionary Biology</i> , 2003, 16, 812-822.	1.7	36
85	Selection at Linked Sites in the Partial Selfer <i>Caenorhabditis elegans</i> . <i>Molecular Biology and Evolution</i> , 2003, 20, 665-673.	8.9	125
86	Molecular Correlates of Genes Exhibiting RNAi Phenotypes in <i>Caenorhabditis elegans</i> . <i>Genome Research</i> , 2003, 13, 2651-2657.	5.5	28
87	The proximate determinants of sex ratio in <i>C. elegans</i> populations. <i>Genetical Research</i> , 2003, 81, 91-102.	0.9	36
88	Searching for Evidence of Positive Selection in the Human Genome Using Patterns of Microsatellite Variability. <i>Molecular Biology and Evolution</i> , 2002, 19, 1143-1153.	8.9	89
89	Population Ecology, Nonlinear Dynamics, and Social Evolution. I. Associations among Nonrelatives. <i>American Naturalist</i> , 2002, 159, 115-127.	2.1	35
90	Insect herbivory, plant defense, and early Cenozoic climate change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 6221-6226.	7.1	135

#	ARTICLE	IF	CITATIONS
91	Precise, highly female-biased sex ratios in a social spider. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2000, 267, 1445-1449.	2.6	50
92	Ants as bioindicators of habitat disturbance: validation of the functional group model for Australia's humid tropics. <i>Biodiversity and Conservation</i> , 1998, 7, 1627-1638.	2.6	120