Matthew V Rockman

List of Publications by Year
in descending order

53	7,304	126907	175258
papers	citations	33 h-index	52 g-index

73	73	73	7936
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Natural genetic variation as a tool for discovery in Caenorhabditis nematodes. Genetics, 2022, 220, .	2.9	24
2	The Genome of the Poecilogonous Annelid Streblospio benedicti. Genome Biology and Evolution, 2022, 14, .	2.5	17
3	Rapid Isolation of Wild Nematodes by Baermann Funnel. Journal of Visualized Experiments, 2022, , .	0.3	3
4	Gene-level quantitative trait mapping in Caenorhabditis elegans. G3: Genes, Genomes, Genetics, 2021, 11, .	1.8	19
5	Selfing is the safest sex for Caenorhabditis tropicalis. ELife, 2021, 10, .	6.0	37
6	Balancing selection maintains hyper-divergent haplotypes in Caenorhabditis elegans. Nature Ecology and Evolution, 2021, 5, 794-807.	7.8	89
7	Baby makes three: Maternal, paternal, and zygotic genetic effects shape larval phenotypic evolution. Evolution; International Journal of Organic Evolution, 2021, 75, 1607-1618.	2.3	8
8	The Ancestral Caenorhabditis elegans Cuticle Suppresses rol-1. G3: Genes, Genomes, Genetics, 2020, 10, 2385-2395.	1.8	6
9	Stoichiometric interactions explain spindle dynamics and scaling across 100 million years of nematode evolution. ELife, 2020, 9, .	6.0	26
10	Comparative genomics of 10 newCaenorhabditisspecies. Evolution Letters, 2019, 3, 217-236.	3.3	106
11	Tightly linked antagonistic-effect loci underlie polygenic phenotypic variation inC. elegans. Evolution Letters, 2019, 3, 462-473.	3.3	37
12	Hybridization promotes asexual reproduction in Caenorhabditis nematodes. PLoS Genetics, 2019, 15, e1008520.	3.5	10
13	Decoupled maternal and zygotic genetic effects shape the evolution of development. ELife, 2018, 7, .	6.0	18
14	Polygenicity and Epistasis Underlie Fitness-Proximal Traits in theCaenorhabditis elegansMultiparental Experimental Evolution (CeMEE) Panel. Genetics, 2017, 207, 1663-1685.	2.9	81
15	Fine-Scale Crossover Rate Variation on theCaenorhabditis elegansX Chromosome. G3: Genes, Genomes, Genetics, 2016, 6, 1767-1776.	1.8	25
16	The Genetic Basis of Natural Variation inCaenorhabditis elegansTelomere Length. Genetics, 2016, 204, 371-383.	2.9	117
17	Geneâ€based polymorphisms reveal limited genomic divergence in a species with a heritable lifeâ€history dimorphism. Evolution & Development, 2015, 17, 240-247.	2.0	11
18	The Expendables: Natural selection driving reduced gene function (Comment on DOI) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td (10.10	2.5	0

#	Article	IF	Citations
19	Natural Variation in plep-1 Causes Male-Male Copulatory Behavior in C.Âelegans. Current Biology, 2015, 25, 2730-2737.	3.9	41
20	Wild worm embryogenesis harbors ubiquitous polygenic modifier variation. ELife, 2015, 4, .	6.0	73
21	Dimorphic development in Streblospio benedicti: genetic analysis of morphological differences between larval types. International Journal of Developmental Biology, 2014, 58, 593-599.	0.6	26
22	Multigenic Natural Variation Underlies Caenorhabditis elegans Olfactory Preference for the Bacterial Pathogen Serratia marcescens. G3: Genes, Genomes, Genetics, 2014, 4, 265-276.	1.8	68
23	Cryptic genetic variation: evolution's hidden substrate. Nature Reviews Genetics, 2014, 15, 247-258.	16.3	423
24	Crossover Heterogeneity in the Absence of Hotspots inCaenorhabditis elegans. Genetics, 2014, 196, 137-148.	2.9	62
25	Pleiotropy: what do you mean? Reply to Zhang and Wagner. Trends in Genetics, 2013, 29, 384.	6.7	11
26	The many faces of pleiotropy. Trends in Genetics, 2013, 29, 66-73.	6.7	367
27	Resistance to Germline RNA Interference in a Caenorhabditis elegans Wild Isolate Exhibits Complexity and Nonadditivity. G3: Genes, Genomes, Genetics, 2013, 3, 941-947.	1.8	30
28	Long-Range Regulatory Polymorphisms Affecting a GABA Receptor Constitute a Quantitative Trait Locus (QTL) for Social Behavior in Caenorhabditis elegans. PLoS Genetics, 2012, 8, e1003157.	3.5	52
29	More Than the Sum of Its Parts: A Complex Epistatic Network Underlies Natural Variation in Thermal Preference Behavior in Caenorhabditis elegans. Genetics, 2012, 192, 1533-1542.	2.9	85
30	Patterns of Nuclear Genetic Variation in the Poecilogonous Polychaete Streblospio benedicti. Integrative and Comparative Biology, 2012, 52, 173-180.	2.0	12
31	THE QTN PROGRAM AND THE ALLELES THAT MATTER FOR EVOLUTION: ALL THAT'S GOLD DOES NOT GLITTER. Evolution; International Journal of Organic Evolution, 2012, 66, 1-17.	2.3	623
32	Catecholamine receptor polymorphisms affect decision-making in C. elegans. Nature, 2011, 472, 313-318.	27.8	189
33	A phylogeny and molecular barcodes for Caenorhabditis, with numerous new species from rotting fruits. BMC Evolutionary Biology, 2011, 11, 339.	3.2	317
34	A Novel Sperm-Delivered Toxin Causes Late-Stage Embryo Lethality and Transmission Ratio Distortion in C. elegans. PLoS Biology, 2011, 9, e1001115.	5.6	158
35	Selection at Linked Sites Shapes Heritable Phenotypic Variation in C. elegans. Science, 2010, 330, 372-376.	12.6	250
36	Multiple Functional Variants in cis Modulate PDYN Expression. Molecular Biology and Evolution, 2010, 27, 465-479.	8.9	45

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37	Recombinational Landscape and Population Genomics of Caenorhabditis elegans. PLoS Genetics, 2009, 5, e1000419.	3.5	381
38	Quantitative Mapping of a Digenic Behavioral Trait Implicates Globin Variation in C. elegans Sensory Behaviors. Neuron, 2009, 61, 692-699.	8.1	219
39	Molecular basis of the copulatory plug polymorphism in Caenorhabditis elegans. Nature, 2008, 454, 1019-1022.	27.8	122
40	Reverse engineering the genotypeâ€“phenotype map with natural genetic variation. Nature, 2008, 456, 738-744.	27.8	246
41	Tinker where the tinkering's good. Trends in Genetics, 2008, 24, 317-319.	6.7	4
42	Widespread Genetic Incompatibility in C. Elegans Maintained by Balancing Selection. Science, 2008, 319, 589-594.	12.6	276
43	Breeding Designs for Recombinant Inbred Advanced Intercross Lines. Genetics, 2008, 179, 1069-1078.	2.9	94
44	Genetics of global gene expression. Nature Reviews Genetics, 2006, 7, 862-872.	16.3	586
45	Ancient polymorphism and functional variation in the primate MHC-DQA1 5' cis-regulatory region. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16331-16336.	7.1	59
46	Ancient and Recent Positive Selection Transformed Opioid cis-Regulation in Humans. PLoS Biology, 2005, 3, e387.	5.6	155
47	Population Genetic and Phylogenetic Evidence for Positive Selection on Regulatory Mutations at the Factor VII Locus in HumansSequence data from this article have been deposited with the EMBL/GenBank Data Libraries under accession nos. AY493422, AY493423, AY493424, AY493425, AY493426, AY493427, AY493428, AY493429, AY493430, AY493431, AY493432, AY493433.. Genetics, 2004, 167, 867-877.	2.9	46
48	Positive Selection on MMP3 Regulation Has Shaped Heart Disease Risk. Current Biology, 2004, 14, 1531-1539.	3.9	76
49	Positive Selection on a Human-Specific Transcription Factor Binding Site Regulating IL4 Expression. Current Biology, 2003, 13, 2118-2123.	3.9	124
50	Idiomatic (gene) expressions. BioEssays, 2003, 25, 421-424.	2.5	0
51	The Evolution of Transcriptional Regulation in Eukaryotes. Molecular Biology and Evolution, 2003, 20, 1377-1419.	8.9	1,034
52	Abundant Raw Material for Cis-Regulatory Evolution in Humans. Molecular Biology and Evolution, 2002, 19, 1991-2004.	8.9	336
53	Phylogenetics of Planipapillus, Lawn-Headed Onychophorans of the Australian Alps, Based on Nuclear and Mitochondrial Gene Sequences. Molecular Phylogenetics and Evolution, 2001, 21, 103-116.	2.7	35