

# Matthew V Rockman

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/714216/publications.pdf>

Version: 2024-02-01

53  
papers

7,304  
citations

126907

33  
h-index

175258

52  
g-index

73  
all docs

73  
docs citations

73  
times ranked

7936  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Evolution of Transcriptional Regulation in Eukaryotes. <i>Molecular Biology and Evolution</i> , 2003, 20, 1377-1419.	8.9	1,034
2	THE QTN PROGRAM AND THE ALLELES THAT MATTER FOR EVOLUTION: ALL THAT'S GOLD DOES NOT GLITTER. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 1-17.	2.3	623
3	Genetics of global gene expression. <i>Nature Reviews Genetics</i> , 2006, 7, 862-872.	16.3	586
4	Cryptic genetic variation: evolution's hidden substrate. <i>Nature Reviews Genetics</i> , 2014, 15, 247-258.	16.3	423
5	Recombinational Landscape and Population Genomics of <i>Caenorhabditis elegans</i> . <i>PLoS Genetics</i> , 2009, 5, e1000419.	3.5	381
6	The many faces of pleiotropy. <i>Trends in Genetics</i> , 2013, 29, 66-73.	6.7	367
7	Abundant Raw Material for Cis-Regulatory Evolution in Humans. <i>Molecular Biology and Evolution</i> , 2002, 19, 1991-2004.	8.9	336
8	A phylogeny and molecular barcodes for <i>Caenorhabditis</i> , with numerous new species from rotting fruits. <i>BMC Evolutionary Biology</i> , 2011, 11, 339.	3.2	317
9	Widespread Genetic Incompatibility in <i>C. Elegans</i> Maintained by Balancing Selection. <i>Science</i> , 2008, 319, 589-594.	12.6	276
10	Selection at Linked Sites Shapes Heritable Phenotypic Variation in <i>C. elegans</i> . <i>Science</i> , 2010, 330, 372-376.	12.6	250
11	Reverse engineering the genotype-phenotype map with natural genetic variation. <i>Nature</i> , 2008, 456, 738-744.	27.8	246
12	Quantitative Mapping of a Digenic Behavioral Trait Implicates Globin Variation in <i>C. elegans</i> Sensory Behaviors. <i>Neuron</i> , 2009, 61, 692-699.	8.1	219
13	Catecholamine receptor polymorphisms affect decision-making in <i>C. elegans</i> . <i>Nature</i> , 2011, 472, 313-318.	27.8	189
14	A Novel Sperm-Delivered Toxin Causes Late-Stage Embryo Lethality and Transmission Ratio Distortion in <i>C. elegans</i> . <i>PLoS Biology</i> , 2011, 9, e1001115.	5.6	158
15	Ancient and Recent Positive Selection Transformed Opioid cis-Regulation in Humans. <i>PLoS Biology</i> , 2005, 3, e387.	5.6	155
16	Positive Selection on a Human-Specific Transcription Factor Binding Site Regulating IL4 Expression. <i>Current Biology</i> , 2003, 13, 2118-2123.	3.9	124
17	Molecular basis of the copulatory plug polymorphism in <i>Caenorhabditis elegans</i> . <i>Nature</i> , 2008, 454, 1019-1022.	27.8	122
18	The Genetic Basis of Natural Variation in <i>Caenorhabditis elegans</i> Telomere Length. <i>Genetics</i> , 2016, 204, 371-383.	2.9	117

#	ARTICLE	IF	CITATIONS
19	Comparative genomics of 10 new <i>Caenorhabditis</i> species. <i>Evolution Letters</i> , 2019, 3, 217-236.	3.3	106
20	Breeding Designs for Recombinant Inbred Advanced Intercross Lines. <i>Genetics</i> , 2008, 179, 1069-1078.	2.9	94
21	Balancing selection maintains hyper-divergent haplotypes in <i>Caenorhabditis elegans</i> . <i>Nature Ecology and Evolution</i> , 2021, 5, 794-807.	7.8	89
22	More Than the Sum of Its Parts: A Complex Epistatic Network Underlies Natural Variation in Thermal Preference Behavior in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2012, 192, 1533-1542.	2.9	85
23	Polygenicity and Epistasis Underlie Fitness-Proximal Traits in the <i>Caenorhabditis elegans</i> Multiparental Experimental Evolution (CeMEE) Panel. <i>Genetics</i> , 2017, 207, 1663-1685.	2.9	81
24	Positive Selection on MMP3 Regulation Has Shaped Heart Disease Risk. <i>Current Biology</i> , 2004, 14, 1531-1539.	3.9	76
25	Wild worm embryogenesis harbors ubiquitous polygenic modifier variation. <i>ELife</i> , 2015, 4, .	6.0	73
26	Multigenic Natural Variation Underlies <i>Caenorhabditis elegans</i> Olfactory Preference for the Bacterial Pathogen <i>Serratia marcescens</i> . <i>G3: Genes, Genomes, Genetics</i> , 2014, 4, 265-276.	1.8	68
27	Crossover Heterogeneity in the Absence of Hotspots in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2014, 196, 137-148.	2.9	62
28	Ancient polymorphism and functional variation in the primate MHC-DQA1 5' cis-regulatory region. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 16331-16336.	7.1	59
29	Long-Range Regulatory Polymorphisms Affecting a GABA Receptor Constitute a Quantitative Trait Locus (QTL) for Social Behavior in <i>Caenorhabditis elegans</i> . <i>PLoS Genetics</i> , 2012, 8, e1003157.	3.5	52
30	Population Genetic and Phylogenetic Evidence for Positive Selection on Regulatory Mutations at the Factor VII Locus in Humans Sequence 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.. <i>Genetics</i> , 2004, 167, 867-877.	2.9	46
31	Multiple Functional Variants in cis Modulate PDYN Expression. <i>Molecular Biology and Evolution</i> , 2010, 27, 465-479.	8.9	45
32	Natural Variation in <i>plep-1</i> Causes Male-Male Copulatory Behavior in <i>C. elegans</i> . <i>Current Biology</i> , 2015, 25, 2730-2737.	3.9	41
33	Tightly linked antagonistic-effect loci underlie polygenic phenotypic variation in <i>C. elegans</i> . <i>Evolution Letters</i> , 2019, 3, 462-473.	3.3	37
34	Selfing is the safest sex for <i>Caenorhabditis tropicalis</i> . <i>ELife</i> , 2021, 10, .	6.0	37
35	Phylogenetics of Planipapillus, Lawn-Headed Onychophorans of the Australian Alps, Based on Nuclear and Mitochondrial Gene Sequences. <i>Molecular Phylogenetics and Evolution</i> , 2001, 21, 103-116.	2.7	35
36	Resistance to Germline RNA Interference in a <i>Caenorhabditis elegans</i> Wild Isolate Exhibits Complexity and Nonadditivity. <i>G3: Genes, Genomes, Genetics</i> , 2013, 3, 941-947.	1.8	30

#	ARTICLE	IF	CITATIONS
37	Dimorphic development in <i>Streblospio benedicti</i> : genetic analysis of morphological differences between larval types. <i>International Journal of Developmental Biology</i> , 2014, 58, 593-599.	0.6	26
38	Stoichiometric interactions explain spindle dynamics and scaling across 100 million years of nematode evolution. <i>ELife</i> , 2020, 9, .	6.0	26
39	Fine-Scale Crossover Rate Variation on the <i>Caenorhabditis elegans</i> X Chromosome. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 1767-1776.	1.8	25
40	Natural genetic variation as a tool for discovery in <i>Caenorhabditis</i> nematodes. <i>Genetics</i> , 2022, 220, .	2.9	24
41	Gene-level quantitative trait mapping in <i>Caenorhabditis elegans</i> . <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	1.8	19
42	Decoupled maternal and zygotic genetic effects shape the evolution of development. <i>ELife</i> , 2018, 7, .	6.0	18
43	The Genome of the Poecilogonous Annelid <i>Streblospio benedicti</i> . <i>Genome Biology and Evolution</i> , 2022, 14, .	2.5	17
44	Patterns of Nuclear Genetic Variation in the Poecilogonous Polychaete <i>Streblospio benedicti</i> . <i>Integrative and Comparative Biology</i> , 2012, 52, 173-180.	2.0	12
45	Pleiotropy: what do you mean? Reply to Zhang and Wagner. <i>Trends in Genetics</i> , 2013, 29, 384.	6.7	11
46	Gene-based polymorphisms reveal limited genomic divergence in a species with a heritable life-history dimorphism. <i>Evolution &amp; Development</i> , 2015, 17, 240-247.	2.0	11
47	Hybridization promotes asexual reproduction in <i>Caenorhabditis</i> nematodes. <i>PLoS Genetics</i> , 2019, 15, e1008520.	3.5	10
48	Baby makes three: Maternal, paternal, and zygotic genetic effects shape larval phenotypic evolution. <i>Evolution; International Journal of Organic Evolution</i> , 2021, 75, 1607-1618.	2.3	8
49	The Ancestral <i>Caenorhabditis elegans</i> Cuticle Suppresses <i>rol-1</i> . <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 2385-2395.	1.8	6
50	Tinker where the tinkering's good. <i>Trends in Genetics</i> , 2008, 24, 317-319.	6.7	4
51	Rapid Isolation of Wild Nematodes by Baermann Funnel. <i>Journal of Visualized Experiments</i> , 2022, , .	0.3	3
52	Idiomatic (gene) expressions. <i>BioEssays</i> , 2003, 25, 421-424.	2.5	0
53	The Expendables: Natural selection driving reduced gene function (Comment on DOI) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 102	2.5	0