Eric Meyer

List of Publications by Year
in descending order

49 papers	3,745 citations	159585 30 h-index	189892 50 g-index
53 all docs	53 docs citations	53 times ranked	2485 citing authors

#	Article	IF	Citations
1	Global trends of whole-genome duplications revealed by the ciliate Paramecium tetraurelia. Nature, 2006, 444, 171-178.	27.8	744
2	Translational control of intron splicing in eukaryotes. Nature, 2008, 451, 359-362.	27.8	200
3	Does Paramecium primaurelia use a different genetic code in its macronucleus?. Nature, 1985, 314, 185-188.	27.8	197
4	PiggyMac, a domesticated piggyBac transposase involved in programmed genome rearrangements in the ciliate Paramecium tetraurelia. Genes and Development, 2009, 23, 2478-2483.	5.9	177
5	The Paramecium Germline Genome Provides a Niche for Intragenic Parasitic DNA: Evolutionary Dynamics of Internal Eliminated Sequences. PLoS Genetics, 2012, 8, e1002984.	3.5	154
6	RNA-Mediated Programming of Developmental Genome Rearrangements in Paramecium tetraurelia. Molecular and Cellular Biology, 2004, 24, 7370-7379.	2.3	131
7	Silencing-associated and meiosis-specific small RNA pathways in Paramecium tetraurelia. Nucleic Acids Research, 2009, 37, 903-915.	14.5	120
8	Homology-Dependent Maternal Inhibition of Developmental Excision of Internal Eliminated Sequences inParamecium tetraurelia. Molecular and Cellular Biology, 1998, 18, 7075-7085.	2.3	116
9	Maternal noncoding transcripts antagonize the targeting of DNA elimination by scanRNAs in Paramecium tetraurelia. Genes and Development, 2008, 22, 1501-1512.	5.9	115
10	Genome-defence small RNAs exapted for epigenetic mating-type inheritance. Nature, 2014, 509, 447-452.	27.8	105
11	Nucleotide sequence of the Paramecium primaurelia G surface protein. Journal of Molecular Biology, 1986, 189, 47-60.	4.2	97
12	Epigenetics of Ciliates. Cold Spring Harbor Perspectives in Biology, 2013, 5, a017764-a017764.	5.5	93
13	Analysis of sequence variability in the macronuclear DNA of Paramecium tetraurelia: A somatic view of the germline. Genome Research, 2008, 18, 585-596.	5.5	82
14	Functional specialization of Piwi proteins in Paramecium tetraurelia from post-transcriptional gene silencing to genome remodelling. Nucleic Acids Research, 2011, 39, 4249-4264.	14.5	82
15	Developmentally Regulated Chromosome Fragmentation Linked to Imprecise Elimination of Repeated Sequences in Paramecia. Eukaryotic Cell, 2003, 2, 1076-1090.	3.4	80
16	Developmental genome rearrangements in ciliates: a natural genomic subtraction mediated by non-coding transcripts. Trends in Genetics, 2009, 25, 344-350.	6.7	77
17	The fitness cost of mis-splicing is the main determinant of alternative splicing patterns. Genome Biology, 2017, 18, 208.	8.8	76
18	Nowa1p and Nowa2p: Novel Putative RNA Binding Proteins Involved in trans-Nuclear Crosstalk in Paramecium tetraurelia. Current Biology, 2005, 15, 1616-1628.	3.9	73

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19	Paramecium genome survey: a pilot project. Trends in Genetics, 2001, 17, 306-308.	6.7	65
20	Gene expression in a paleopolyploid: a transcriptome resource for the ciliate Paramecium tetraurelia. BMC Genomics, 2010, 11, 547.	2.8	64
21	Timing of Developmentally Programmed Excision and Circularization of Paramecium Internal Eliminated Sequences. Molecular and Cellular Biology, 2000, 20, 1553-1561.	2.3	59
22	Epigenetic Programming of Developmental Genome Rearrangements in Ciliates. Cell, 1996, 87, 9-12.	28.9	58
23	Highly Precise and Developmentally Programmed Genome Assembly in Paramecium Requires Ligase IVâ€“Dependent End Joining. PLoS Genetics, 2011, 7, e1002049.	3.5	56
24	Flow cytometry sorting of nuclei enables the first global characterization of Paramecium germline DNA and transposable elements. BMC Genomics, 2017, 18, 327.	2.8	53
25	High Coding Density on the Largest Paramecium tetraurelia Somatic Chromosome. Current Biology, 2004, 14, 1397-1404.	3.9	52
26	A Mendelian Mutation Affecting Mating-Type Determination Also Affects Developmental Genomic Rearrangements in Paramecium tetraurelita. Genetics, 1996, 143, 191-202.	2.9	49
27	Distinct RNA-dependent RNA polymerases are required for RNAi triggered by double-stranded RNA versus truncated transgenes in Paramecium tetraurelia. Nucleic Acids Research, 2010, 38, 4092-4107.	14.5	48
28	Paramecium tetraurelia: The Renaissance of an Early Unicellular Model. Cold Spring Harbor Protocols, 2010, 2010, pdb.emo140.	0.3	43
29	Genetics and Epigenetics of Mating Type Determination in Paramecium and Tetrahymena. Annual Review of Microbiology, 2017, 71, 133-156.	7.3	42
30	10 Non-mendelian inheritance and homology-dependent effects in ciliates. Advances in Genetics, 2002, 46, 305-337.	1.8	41
31	Mass Culture of Paramecium tetraurelia: Figure 1.. Cold Spring Harbor Protocols, 2010, 2010, pdb.prot5362.	0.3	39
32	ParameciumDB 2019: integrating genomic data across the genus for functional and evolutionary biology. Nucleic Acids Research, 2019, 48, D599-D605.	14.5	35
33	Developmentally programmed DNA splicing in Paramecium reveals short-distance crosstalk between DNA cleavage sites. Nucleic Acids Research, 2008, 36, 3244-3251.	14.5	31
34	Maintaining Clonal Paramecium tetraurelia Cell Lines of Controlled Age through Daily Reisolation. Cold Spring Harbor Protocols, 2010, 2010, pdb.prot5361.	0.3	30
35	Massive colonization of protein-coding exons by selfish genetic elements in Paramecium germline genomes. PLoS Biology, 2021, 19, e3001309.	5.6	30
36	Epigenetic Regulation of Programmed Genomic Rearrangements in Paramecium aurelia. Journal of Eukaryotic Microbiology, 1996, 43, 453-461.	1.7	27

#	Article	IF	Citations
37	Silencing Specific Paramecium tetraurelia Genes by Feeding Double-Stranded RNA. Cold Spring Harbor Protocols, 2010, 2010, pdb.prot5363.	0.3	27
38	Primary and secondary siRNA synthesis triggered by RNAs from food bacteria in the ciliate Paramecium tetraurelia. Nucleic Acids Research, 2015, 43, 1818-1833.	14.5	27
39	Relationship between genome and epigenome - challenges and requirements for future research. BMC Genomics, 2014, 15, 487.	2.8	24
40	A forward genetic screen reveals essential and non-essential RNAi factors in Paramecium tetraurelia. Nucleic Acids Research, 2014, 42, 7268-7280.	14.5	22
41	DNA Microinjection into the Macronucleus of Paramecium. Cold Spring Harbor Protocols, 2010, 2010, pdb.prot5364.	0.3	21
42	Immunocytochemistry of Paramecium Cytoskeletal Structures. Cold Spring Harbor Protocols, 2010, 2010, pdb.prot5365.	0.3	13
43	Evolutionary Plasticity of Mating-Type Determination Mechanisms inParamecium aureliaSibling Species. Genome Biology and Evolution, 2021, 13, .	2.5	13
44	Paramecium Molecular Genetics: Functional Complementation and Homology-Dependent Gene Inactivation. Protist, 1999, 150, 11-16.	1.5	12
45	The differential expression of the G surface antigen alleles inParamecium primaurelia heterozygous cells correlates to macronuclear DNA rearrangement. Genesis, 1992, 13, 306-317.	2.1	11
46	A mating-type mutagenesis screen identifies a zinc-finger protein required for specific DNA excision events in Paramecium. Nucleic Acids Research, 2018, 46, 9550-9562.	14.5	8
47	Isolation and Expression of Two Genes Encoding Eukaryotic Release Factor 1 from Paramecium tetraurelia. Journal of Eukaryotic Microbiology, 2002, 49, 374-382.	1.7	5
48	Biolistic transformation and green fluorescent protein: New tools for molecular and cellular genetics in paramecium. Biology of the Cell, 1998, 90, 128-128.	2.0	1
49	Loss of a Fragile Chromosome Region leads to the Screwy Phenotype in Paramecium tetraurelia. Genes, 2019, 10, 513.	2.4	1