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	Massive colonization of protein-coding exons by selfish genetic elements in Paramecium germline genomes. PLoS Biology, 2021, 19, e3001309.	5.6	30
2	Evolutionary Plasticity of Mating-Type Determination Mechanisms inParamecium aureliaSibling Species. Genome Biology and Evolution, 2021, 13, .	2.5	13
3	Loss of a Fragile Chromosome Region leads to the Screwy Phenotype in Paramecium tetraurelia. Genes, 2019, 10, 513.	2.4	1
4	ParameciumDB 2019: integrating genomic data across the genus for functional and evolutionary biology. Nucleic Acids Research, 2019, 48, D599-D605.	14.5	35
5	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
6	Genetics and Epigenetics of Mating Type Determination in Paramecium and Tetrahymena. Annual Review of Microbiology, 2017, 71, 133-156.	7.3	42
7	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
8	The fitness cost of mis-splicing is the main determinant of alternative splicing patterns. Genome Biology, 2017, 18, 208.	8.8	76
9	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
10	A forward genetic screen reveals essential and non-essential RNAi factors in Paramecium tetraurelia. Nucleic Acids Research, 2014, 42, 7268-7280.	14.5	22
11	Genome-defence small RNAs exapted for epigenetic mating-type inheritance. Nature, 2014, 509, 447-452.	27.8	105
12	Relationship between genome and epigenome - challenges and requirements for future research. BMC Genomics, 2014, 15, 487.	2.8	24
13	Epigenetics of Ciliates. Cold Spring Harbor Perspectives in Biology, 2013, 5, a017764-a017764.	5.5	93
14	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
15	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
16	Highly Precise and Developmentally Programmed Genome Assembly in Paramecium Requires Ligase IVâ€“Dependent End Joining. PLoS Genetics, 2011, 7, e1002049.	3.5	56
17	Gene expression in a paleopolyploid: a transcriptome resource for the ciliate Paramecium tetraurelia. BMC Genomics, 2010, 11, 547.	2.8	64
18	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

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19	Maintaining Clonal Paramecium tetraurelia Cell Lines of Controlled Age through Daily Reisolation. Cold Spring Harbor Protocols, 2010, 2010, pdb.prot5361.	0.3	30
20	Immunocytochemistry of Paramecium Cytoskeletal Structures. Cold Spring Harbor Protocols, 2010, 2010, pdb.prot5365.	0.3	13
21	Paramecium tetraurelia: The Renaissance of an Early Unicellular Model. Cold Spring Harbor Protocols, 2010, 2010, pdb.emo140.	0.3	43
22	Mass Culture of Paramecium tetraurelia: Figure 1.. Cold Spring Harbor Protocols, 2010, 2010, pdb.prot5362.	0.3	39
23	Silencing Specific Paramecium tetraurelia Genes by Feeding Double-Stranded RNA. Cold Spring Harbor Protocols, 2010, 2010, pdb.prot5363.	0.3	27
24	DNA Microinjection into the Macronucleus of Paramecium. Cold Spring Harbor Protocols, 2010, 2010, pdb.prot5364.	0.3	21
25	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
26	Silencing-associated and meiosis-specific small RNA pathways in Paramecium tetraurelia. Nucleic Acids Research, 2009, 37, 903-915.	14.5	120
27	Developmental genome rearrangements in ciliates: a natural genomic subtraction mediated by non-coding transcripts. Trends in Genetics, 2009, 25, 344-350.	6.7	77
28	Translational control of intron splicing in eukaryotes. Nature, 2008, 451, 359-362.	27.8	200
29	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
30	Developmentally programmed DNA splicing in Paramecium reveals short-distance crosstalk between DNA cleavage sites. Nucleic Acids Research, 2008, 36, 3244-3251.	14.5	31
31	Maternal noncoding transcripts antagonize the targeting of DNA elimination by scanRNAs in Paramecium tetraurelia. Genes and Development, 2008, 22, 1501-1512.	5.9	115
32	Global trends of whole-genome duplications revealed by the ciliate Paramecium tetraurelia. Nature, 2006, 444, 171-178.	27.8	744
33	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
34	RNA-Mediated Programming of Developmental Genome Rearrangements in Paramecium tetraurelia. Molecular and Cellular Biology, 2004, 24, 7370-7379.	2.3	131
35	High Coding Density on the Largest Paramecium tetraurelia Somatic Chromosome. Current Biology, 2004, 14, 1397-1404.	3.9	52
36	Developmentally Regulated Chromosome Fragmentation Linked to Imprecise Elimination of Repeated Sequences in Paramecia. Eukaryotic Cell, 2003, 2, 1076-1090.	3.4	80

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37	10 Non-mendelian inheritance and homology-dependent effects in ciliates. Advances in Genetics, 2002, 46, 305-337.	1.8	41
38	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
39	Paramecium genome survey: a pilot project. Trends in Genetics, 2001, 17, 306-308.	6.7	65
40	Timing of Developmentally Programmed Excision and Circularization of Paramecium Internal Eliminated Sequences. Molecular and Cellular Biology, 2000, 20, 1553-1561.	2.3	59
41	Paramecium Molecular Genetics: Functional Complementation and Homology-Dependent Gene Inactivation. Protist, 1999, 150, 11-16.	1.5	12
42	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
43	Homology-Dependent Maternal Inhibition of Developmental Excision of Internal Eliminated Sequences inParamecium tetraurelia. Molecular and Cellular Biology, 1998, 18, 7075-7085.	2.3	116
44	Epigenetic Programming of Developmental Genome Rearrangements in Ciliates. Cell, 1996, 87, 9-12.	28.9	58
45	Epigenetic Regulation of Programmed Genomic Rearrangements in Paramecium aurelia. Journal of Eukaryotic Microbiology, 1996, 43, 453-461.	1.7	27
46	A Mendelian Mutation Affecting Mating-Type Determination Also Affects Developmental Genomic Rearrangements in Paramecium tetraurelita. Genetics, 1996, 143, 191-202.	2.9	49
47	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
48	Nucleotide sequence of the Paramecium primaurelia G surface protein. Journal of Molecular Biology, 1986, 189, 47-60.	4.2	97
49	Does Paramecium primaurelia use a different genetic code in its macronucleus?. Nature, 1985, 314, 185-188.	27.8	197