John Wang

List of Publications by Year in descending order

36 papers	23,911 citations	279487 23 h-index	360668 35 g-index
40 all docs	40 docs citations	40 times ranked	26869 citing authors

#	Article	IF	Citations
1	Initial sequencing and analysis of the human genome. Nature, 2001, 409, 860-921.	13.7	21,074
2	A Global Profile of Germline Gene Expression in C. elegans. Molecular Cell, 2000, 6, 605-616.	4.5	567
3	A Y-like social chromosome causes alternative colony organization in fire ants. Nature, 2013, 493, 664-668.	13.7	347
4	The genome of the fire ant Solenopsis invicta. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 5679-5684.	3.3	322
5	Global analysis of dauer gene expression inCaenorhabditis elegans. Development (Cambridge), 2003, 130, 1621-1634.	1.2	280
6	Transcriptional Profile of Aging in C. elegans. Current Biology, 2002, 12, 1566-1573.	1.8	258
7	Deep small RNA sequencing from the nematode Ascaris reveals conservation, functional diversification, and novel developmental profiles. Genome Research, 2011, 21, 1462-1477.	2.4	158
8	The Genetic Basis of Natural Variation inCaenorhabditis elegansTelomere Length. Genetics, 2016, 204, 371-383.	1.2	117
9	Biology and genome of a newly discovered sibling species of Caenorhabditis elegans. Nature Communications, 2018, 9, 3216.	5.8	102
10	Genome-Wide Expression Patterns and the Genetic Architecture of a Fundamental Social Trait. PLoS Genetics, 2008, 4, e1000127.	1.5	64
11	Midlife gene expressions identify modulators of aging through dietary interventions. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1201-9.	3.3	57
12	Mapping the C. elegans noncoding transcriptome with a whole-genome tiling microarray. Genome Research, 2007, 17, 1471-1477.	2.4	53
13	An annotated cDNA library and microarray for large-scale gene-expression studies in the ant Solenopsis invicta. Genome Biology, 2007, 8, R9.	13.9	47
14	Selection and gene flow shape niche-associated variation in pheromone response. Nature Ecology and Evolution, 2019, 3, 1455-1463.	3.4	41
15	Towards reconstructing the ancestral brain gene-network regulating caste differentiation in ants. Nature Ecology and Evolution, 2018, 2, 1782-1791.	3.4	40
16	Fourmidable: a database for ant genomics. BMC Genomics, 2009, 10, 5.	1.2	38
17	Changes in reproductive roles are associated with changes in gene expression in fire ant queens. Molecular Ecology, 2010, 19, 1200-1211.	2.0	35
18	Chromosome Size Differences May Affect Meiosis and Genome Size. Science, 2010, 329, 293-293.	6.0	35

#	Article	IF	Citations
19	Did the fire ant supergene evolve selfishly or socially?. BioEssays, 2014, 36, 200-208.	1.2	31
20	Multiple large inversions and breakpoint rewiring of gene expression in the evolution of the fire ant social supergene. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20180221.	1.2	30
21	A cryptic heterogametic transition revealed by sexâ€linked DNA markers in Palearctic green toads. Journal of Evolutionary Biology, 2011, 24, 1064-1070.	0.8	27
22	Evolution of long centromeres in fire ants. BMC Evolutionary Biology, 2016, 16, 189.	3.2	26
23	Downstream Targets of let-60 Ras in Caenorhabditis elegans. Developmental Biology, 2002, 247, 127-136.	0.9	25
24	A simple genetic basis for complex social behaviour mediates widespread gene expression differences. Molecular Ecology, 2013, 22, 3797-3813.	2.0	21
25	Effects of ploidy and sex-locus genotype on gene expression patterns in the fire antSolenopsis invicta. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20141776.	1.2	18
26	The complete mitochondrial genome of Histiostoma blomquisti (Acari: Histiostomatidae). Mitochondrial DNA Part B: Resources, 2016, 1, 671-673.	0.2	18
27	Non-Mendelian assortment of homologous autosomes of different sizes in males is the ancestral state in the Caenorhabditis lineage. Scientific Reports, 2017, 7, 12819.	1.6	13
28	Mutagenesis mediated by CRISPR/Cas9 in the red imported fire ant, Solenopsis invicta. Insectes Sociaux, 2020, 67, 317-326.	0.7	13
29	The fire ant social supergene is characterized by extensive gene and transposable element copy number variation. Molecular Ecology, 2020, 29, 105-120.	2.0	12
30	Analysis of a gene that suppresses the morphological defect of bald mutants of Streptomyces griseus. Journal of Bacteriology, 1996, 178, 2867-2875.	1.0	11
31	phiC31 integrase for recombination-mediated single-copy insertion and genome manipulation in Caenorhabditis elegans. Genetics, 2022, 220, .	1.2	7
32	Rapid Expansion of a Highly Germline-ExpressedMarinerElement Acquired by Horizontal Transfer in the Fire Ant Genome. Genome Biology and Evolution, 2018, 10, 3262-3278.	1.1	6
33	Has gene expression neofunctionalization in the fire ant antennae contributed to queen discrimination behavior?. Ecology and Evolution, 2019, 9, 12754-12766.	0.8	6
34	Behavioral Genomics: A, Bee, C, G, T. Current Biology, 2007, 17, R51-R53.	1.8	5
35	Transcriptome profiling reveals the developmental regulation of NaCl-treated Forcipomyia taiwana eggs. BMC Genomics, 2021, 22, 792.	1.2	2
36	Population Genetic and Social Structure Survey of in Thailand. Zoological Studies, 2020, 59, e22.	0.3	0