

# James R Walters

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5430391/publications.pdf>

Version: 2024-02-01

31  
papers

2,077  
citations

361296

20  
h-index

434063

31  
g-index

34  
all docs

34  
docs citations

34  
times ranked

2935  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome-wide evidence for speciation with gene flow in <i>Heliconius</i> butterflies. <i>Genome Research</i> , 2013, 23, 1817-1828.	2.4	609
2	Female Behaviour Drives Expression and Evolution of Gustatory Receptors in Butterflies. <i>PLoS Genetics</i> , 2013, 9, e1003620.	1.5	154
3	Multifaceted biological insights from a draft genome sequence of the tobacco hornworm moth, <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2016, 76, 118-147.	1.2	154
4	Levels of DNA Polymorphism Vary With Mating System in the Nematode Genus <i>Caenorhabditis</i> . <i>Genetics</i> , 2002, 161, 99-107.	1.2	140
5	Evolution of Sex Chromosome Dosage Compensation in Animals: A Beautiful Theory, Undermined by Facts and Bedeviled by Details. <i>Genome Biology and Evolution</i> , 2017, 9, 2461-2476.	1.1	106
6	A chromosome-level genome assembly of <i>Cydia pomonella</i> provides insights into chemical ecology and insecticide resistance. <i>Nature Communications</i> , 2019, 10, 4237.	5.8	102
7	Combined EST and Proteomic Analysis Identifies Rapidly Evolving Seminal Fluid Proteins in <i>Heliconius</i> Butterflies. <i>Molecular Biology and Evolution</i> , 2010, 27, 2000-2013.	3.5	83
8	Dichotomy of Dosage Compensation along the Neo Z Chromosome of the Monarch Butterfly. <i>Current Biology</i> , 2019, 29, 4071-4077.e3.	1.8	66
9	Neo-sex Chromosomes in the Monarch Butterfly, <i>Danaus plexippus</i> . <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 3281-3294.	0.8	55
10	Sex Chromosome Dosage Compensation in <i>Heliconius</i> Butterflies: Global yet Still Incomplete?. <i>Genome Biology and Evolution</i> , 2015, 7, 2545-2559.	1.1	54
11	Getting a Full Dose? Reconsidering Sex Chromosome Dosage Compensation in the Silkworm, <i>Bombyx mori</i> . <i>Genome Biology and Evolution</i> , 2011, 3, 491-504.	1.1	53
12	The genomic features of parasitism, Polyembryony and immune evasion in the endoparasitic wasp <i>Macrocentrus cingulum</i> . <i>BMC Genomics</i> , 2018, 19, 420.	1.2	53
13	Transcriptomics of monarch butterflies ( <i>Danaus plexippus</i> ) reveals that toxic host plants alter expression of detoxification genes and downregulate a small number of immune genes. <i>Molecular Ecology</i> , 2019, 28, 4845-4863.	2.0	40
14	Microsatellite variation among divergent populations of stalk-eyed flies, genus <i>Cyrtodiopsis</i> . <i>Genetical Research</i> , 2004, 84, 27-40.	0.3	37
15	Evaluating female remating rates in light of spermatophore degradation in <i>Heliconius</i> butterflies: pupal mating monandry versus adult mating polyandry. <i>Ecological Entomology</i> , 2012, 37, 257-268.	1.1	37
16	Sex-specific aging in animals: Perspective and future directions. <i>Aging Cell</i> , 2022, 21, e13542.	3.0	36
17	DECOUPLING OF RAPID AND ADAPTIVE EVOLUTION AMONG SEMINAL FLUID PROTEINS IN HELICONIUS BUTTERFLIES WITH DIVERGENT MATING SYSTEMS. <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 2855-2871.	1.1	35
18	Conserved Patterns of Sex Chromosome Dosage Compensation in the Lepidoptera (WZ/ZZ): Insights from a Moth Neo-Z Chromosome. <i>Genome Biology and Evolution</i> , 2017, 9, 802-816.	1.1	35

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19	Multiple barriers to gene exchange in a field cricket hybrid zone. <i>Biological Journal of the Linnean Society</i> , 0, 97, 390-402.	0.7	29
20	Characterisation of the <i>Manduca sexta</i> sperm proteome: Genetic novelty underlying sperm composition in Lepidoptera. <i>Insect Biochemistry and Molecular Biology</i> , 2015, 62, 183-193.	1.2	27
21	Pollen feeding proteomics: Salivary proteins of the passion flower butterfly, <i>Heliconius melpomene</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2015, 63, 7-13.	1.2	24
22	Nonfertilizing sperm in Lepidoptera show little evidence for recurrent positive selection. <i>Molecular Ecology</i> , 2019, 28, 2517-2530.	2.0	23
23	Support for faster and more adaptive Z chromosome evolution in two divergent lepidopteran lineages <sup>*</sup> . <i>Evolution; International Journal of Organic Evolution</i> , 2022, 76, 332-345.	1.1	23
24	Gtsf1 is essential for proper female sex determination and transposon silencing in the silkworm, <i>Bombyx mori</i> . <i>PLoS Genetics</i> , 2020, 16, e1009194.	1.5	20
25	Contrasting patterns of evolutionary constraint and novelty revealed by comparative sperm proteomic analysis in Lepidoptera. <i>BMC Genomics</i> , 2017, 18, 931.	1.2	18
26	Evolutionary Proteomics Reveals Distinct Patterns of Complexity and Divergence between Lepidopteran Sperm Morphs. <i>Genome Biology and Evolution</i> , 2019, 11, 1838-1846.	1.1	12
27	A chromosome-level genome assembly provides new insights into paternal genome elimination in the cotton mealybug <i>Phenacoccus solenopsis</i> . <i>Molecular Ecology Resources</i> , 2020, 20, 1733-1747.	2.2	12
28	BmPMFBP1 regulates the development of eupyrene sperm in the silkworm, <i>Bombyx mori</i> . <i>PLoS Genetics</i> , 2022, 18, e1010131.	1.5	10
29	Panning for sperm gold: Isolation and purification of apyrene and eupyrene sperm from lepidopterans. <i>Insect Biochemistry and Molecular Biology</i> , 2015, 63, 152-158.	1.2	9
30	The Z chromosome is enriched for sperm proteins in two divergent species of Lepidoptera. <i>Genome</i> , 2018, 61, 248-253.	0.9	9
31	Population genomics reveals variable patterns of immune gene evolution in monarch butterflies ( <i>Danaus plexippus</i> ). <i>Molecular Ecology</i> , 2021, 30, 4381-4391.	2.0	4