

# James F. Wallman

## List of Publications by Year in descending order

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87  
papers

2,456  
citations

236833

25  
h-index

223716

46  
g-index

93  
all docs

93  
docs citations

93  
times ranked

1860  
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of carrion in maintaining biodiversity and ecological processes in terrestrial ecosystems. <i>Oecologia</i> , 2013, 171, 761-772.	0.9	272
2	Beyond barcoding: A mitochondrial genomics approach to molecular phylogenetics and diagnostics of blowflies (Diptera: Calliphoridae). <i>Gene</i> , 2012, 511, 131-142.	1.0	142
3	Using COI barcodes to identify forensically and medically important blowflies. <i>Medical and Veterinary Entomology</i> , 2007, 21, 44-52.	0.7	139
4	Necrobiome framework for bridging decomposition ecology of autotrophically and heterotrophically derived organic matter. <i>Ecological Monographs</i> , 2019, 89, e01331.	2.4	127
5	Molecular systematics of Australian carrion-breeding blowflies (Diptera:Calliphoridae) based on mitochondrial DNA. <i>Invertebrate Systematics</i> , 2005, 19, 1.	0.5	87
6	DNA-based identification of forensically important Australian Sarcophagidae (Diptera). <i>International Journal of Legal Medicine</i> , 2011, 125, 27-32.	1.2	85
7	Effect of preservative solutions on preservation of <i>Calliphora augur</i> and <i>Lucilia cuprina</i> larvae (Diptera: Calliphoridae) with implications for post-mortem interval estimates. <i>Forensic Science International</i> , 2008, 179, 1-10.	1.3	73
8	Influence of Substrate Tissue Type on Larval Growth in <i>Calliphora augur</i> and <i>Lucilia cuprina</i> (Diptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.9	65
9	The evolution of myiasis in humans and other animals in the Old and New Worlds (part II): biological and life-history studies. <i>Trends in Parasitology</i> , 2006, 22, 181-188.	1.5	65
10	Species identification of Middle Eastern blowflies (Diptera: Calliphoridae) of forensic importance. <i>Parasitology Research</i> , 2015, 114, 1463-1472.	0.6	64
11	Towards Quantifying Carrion Biomass in Ecosystems. <i>Trends in Ecology and Evolution</i> , 2019, 34, 950-961.	4.2	64
12	A key to the adults of species of blowflies in southern Australia known or suspected to breed in carrion. <i>Medical and Veterinary Entomology</i> , 2001, 15, 433-437.	0.7	61
13	<scp>DNA</scp> Barcoding Identifies all Immature Life Stages of a Forensically Important Flesh Fly (Diptera: Sarcophagidae). <i>Journal of Forensic Sciences</i> , 2013, 58, 184-187.	0.9	54
14	A Preliminary Framework for DNA Barcoding, Incorporating the Multispecies Coalescent. <i>Systematic Biology</i> , 2014, 63, 639-644.	2.7	53
15	Species Traits Predict Assemblage Dynamics at Ephemeral Resource Patches Created by Carrion. <i>PLoS ONE</i> , 2013, 8, e53961.	1.1	50
16	Width as an alternative measurement to length for post-mortem interval estimations using <i>Calliphora augur</i> (Diptera: Calliphoridae) larvae. <i>Forensic Science International</i> , 2006, 159, 158-167.	1.3	48
17	The evolution of myiasis in humans and other animals in the Old and New Worlds (part I): phylogenetic analyses. <i>Trends in Parasitology</i> , 2006, 22, 129-136.	1.5	48
18	Identification of forensically important <i>Chrysomya</i> (Diptera: Calliphoridae) species using the second ribosomal internal transcribed spacer (ITS2). <i>Forensic Science International</i> , 2008, 177, 238-247.	1.3	45

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19	Insect biodiversity meets ecosystem function: differential effects of habitat and insects on carrion decomposition. <i>Ecological Entomology</i> , 2017, 42, 364-374.	1.1	45
20	Community composition of carrion-breeding blowflies (Diptera: Calliphoridae) along an urban gradient in south-eastern Australia. <i>Landscape and Urban Planning</i> , 2012, 106, 183-190.	3.4	41
21	Effect of massing on larval growth rate. <i>Forensic Science International</i> , 2014, 241, 141-149.	1.3	38
22	Experimental studies of blowfly ( <i>Calliphora stygia</i> ) longevity: A little dietary fat is beneficial but too much is detrimental. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2009, 154, 383-388.	0.8	36
23	Experimental and Casework Validation of Ambient Temperature Corrections in Forensic Entomology*. <i>Journal of Forensic Sciences</i> , 2012, 57, 215-221.	0.9	34
24	Thermogenesis in decomposing carcasses. <i>Forensic Science International</i> , 2013, 231, 271-277.	1.3	33
25	Comprehensive evaluation of DNA barcoding for the molecular species identification of forensically important Australian Sarcophagidae (Diptera). <i>Invertebrate Systematics</i> , 2012, 26, 515.	0.5	28
26	Utility of COI, CAD and morphological data for resolving relationships within the genus <i>Sarcophaga</i> (sensu lato) (Diptera: Sarcophagidae): A preliminary study. <i>Molecular Phylogenetics and Evolution</i> , 2013, 69, 133-141.	1.2	28
27	Contrasting insect activity and decomposition of pigs and humans in an Australian environment: A preliminary study. <i>Forensic Science International</i> , 2020, 316, 110515.	1.3	26
28	Effects of methamphetamine and its primary human metabolite, p-hydroxymethamphetamine, on the development of the Australian blowfly <i>Calliphora stygia</i> . <i>Forensic Science International</i> , 2014, 241, 102-111.	1.3	22
29	Tracking Movement and Temperature Selection of Larvae of Two Forensically Important Blow Fly Species Within a "Maggot Mass". <i>Journal of Forensic Sciences</i> , 2014, 59, 1586-1591.	0.9	22
30	Disentangling the effects of farmland use, habitat edges, and vegetation structure on ground beetle morphological traits. <i>Oecologia</i> , 2018, 188, 645-657.	0.9	21
31	The Blow Fly Waltz: Field and Laboratory Observations of Novel and Complex Dipteran Courtship Behavior. <i>Journal of Insect Behavior</i> , 2019, 32, 109-119.	0.4	21
32	Food consumption and individual lifespan of adults of the blowfly, <i>Calliphora stygia</i> : a test of the "rate of living" theory of aging. <i>Experimental Gerontology</i> , 2004, 39, 1485-1490.	1.2	20
33	Nocturnal oviposition behavior of blowflies (Diptera: Calliphoridae) in the southern hemisphere (South Africa and Australia) and its forensic implications. <i>Forensic Science, Medicine, and Pathology</i> , 2017, 13, 123-134.	0.6	20
34	Carrion Decomposition. <i>Wildlife Research Monographs</i> , 2019, , 101-124.	0.4	20
35	Love at first flight: wing interference patterns are species-specific and sexually dimorphic in blowflies (Diptera: Calliphoridae). <i>Journal of Evolutionary Biology</i> , 2021, 34, 558-570.	0.8	19
36	Convergence of Social Strategies in Carrion Breeding Insects. <i>BioScience</i> , 2021, 71, 1028-1037.	2.2	19

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37	Monitoring the extent of vertical and lateral movement of human decomposition products through sediment using cholesterol as a biomarker. <i>Forensic Science International</i> , 2018, 285, 93-104.	1.3	18
38	A key to the Australian Sarcophagidae (Diptera) with special emphasis on <i>Sarcophaga</i> (&lt;sensu lato&gt;). <i>Zootaxa</i> , 2013, 3680, .	0.2	17
39	Body farms. <i>Forensic Science, Medicine, and Pathology</i> , 2017, 13, 487-489.	0.6	17
40	Thermal attributes of <i>Chrysomya</i> species. <i>Entomologia Experimentalis Et Applicata</i> , 2009, 133, 260-275.	0.7	16
41	The Forensic Application of Allozyme Electrophoresis to the Identification of Blowfly Larvae (Diptera: Tj ETQq1 1 0.784314 rgBT /Overlo	0.9	16
42	Mating success is predicted by the interplay between multiple male and female traits in the small hairy maggot blowfly. <i>Animal Behaviour</i> , 2014, 97, 193-200.	0.8	15
43	Context Effects in Forensic Entomology and Use of Sequential Unmasking in Casework. <i>Journal of Forensic Sciences</i> , 2016, 61, 1270-1277.	0.9	15
44	To be or not to be a valid genus: the systematic position of <i>Ophyra</i> R.â€D. revised (Diptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.7	15
45	A comparison of frozen/thawed and fresh food substrates in development of <i>Calliphora augur</i> (Diptera: Calliphoridae) larvae. <i>International Journal of Legal Medicine</i> , 2006, 120, 391-394.	1.2	14
46	Examination of forensic entomology evidence using computed tomography scanning: case studies and refinement of techniques for estimating maggot mass volumes in bodies. <i>International Journal of Legal Medicine</i> , 2012, 126, 693-702.	1.2	14
47	Infrared imaging as a non-invasive tool for documenting maggot mass temperatures. <i>Australian Journal of Forensic Sciences</i> , 2014, 46, 73-79.	0.7	14
48	Nutrient and moisture transfer to insect consumers and soil during vertebrate decomposition. <i>Food Webs</i> , 2019, 18, e00110.	0.5	14
49	Is Resource Change a Useful Predictor of Carrion Insect Succession on Pigs and Humans?. <i>Journal of Medical Entomology</i> , 2021, 58, 2228-2235.	0.9	14
50	Necrophilous Insect Dynamics at Small Vertebrate Carrion in a Temperate Eucalypt Woodland. <i>Journal of Medical Entomology</i> , 2017, 54, 964-973.	0.9	13
51	Traits reveal ecological strategies driving carrion insect community assembly. <i>Ecological Entomology</i> , 2020, 45, 966-977.	1.1	12
52	Development of an antigen-based rapid diagnostic test for the identification of blowfly (Calliphoridae) species of forensic significance. <i>Forensic Science International: Genetics</i> , 2009, 3, 162-165.	1.6	11
53	Body Odor and Sex: Do Cuticular Hydrocarbons Facilitate Sexual Attraction in the Small Hairy Maggot Blowfly?. <i>Journal of Chemical Ecology</i> , 2018, 44, 248-256.	0.9	11
54	The evolution of sexually dimorphic cuticular hydrocarbons in blowflies (Diptera: Calliphoridae). <i>Journal of Evolutionary Biology</i> , 2020, 33, 1468-1486.	0.8	11

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55	Soil chemical markers distinguishing human and pig decomposition islands: a preliminary study. <i>Forensic Science, Medicine, and Pathology</i> , 2020, 16, 605-612.	0.6	10
56	Delayed reception of live blowfly ( <i>Calliphora vicina</i> ) and <i>Chrysomya rufifacies</i> larval samples: implications for minimum postmortem interval estimates. <i>Forensic Sciences Research</i> , 2018, 3, 27-39.	0.9	9
57	Beetle ecological indicators – A comparison of cost vs reward to understand functional changes in response to restoration actions. <i>Ecological Indicators</i> , 2019, 104, 209-218.	2.6	9
58	Major Transitions in Cuticular Hydrocarbon Expression Coincide with Sexual Maturity in a Blowfly (Diptera: Calliphoridae). <i>Journal of Chemical Ecology</i> , 2020, 46, 610-618.	0.9	9
59	Non-invasive visualisation and volume estimation of maggot masses using computed tomography scanning. <i>International Journal of Legal Medicine</i> , 2013, 127, 185-194.	1.2	8
60	Diet fatty acid profile, membrane composition and lifespan: An experimental study using the blowfly ( <i>Calliphora stygia</i> ). <i>Mechanisms of Ageing and Development</i> , 2014, 138, 15-25.	2.2	8
61	Morphology and identification of first instar larvae of Australian blowflies of the genus <i>Chrysomya</i> of forensic importance. <i>Acta Tropica</i> , 2016, 162, 146-154.	0.9	8
62	Invertebrate Scavenging Communities. <i>Wildlife Research Monographs</i> , 2019, , 45-69.	0.4	8
63	The development of forensic entomology in Australia and New Zealand: an overview of casework practice, quality control and standards. <i>Australian Journal of Forensic Sciences</i> , 2017, 49, 125-133.	0.7	7
64	Exploring the influence of individual courtship behaviors on male mating success in a blow fly. <i>Journal of Insect Behavior</i> , 2017, 30, 528-543.	0.4	7
65	Temperature dynamics in different body regions of decomposing vertebrate remains. <i>Forensic Science International</i> , 2021, 325, 110900.	1.3	7
66	Winged Evidence: Forensic Identification of Blowflies. <i>Australian Journal of Forensic Sciences</i> , 2002, 34, 73-79.	0.7	6
67	Updates on the taxonomy and nomenclature of Australian <i>Sarcophaga</i> (&lt;i>sensu lato) (Diptera: Sarcophagidae). <i>Journal of Insect Taxonomy</i> , 2021, 10, 1-10.	1.0	6
68	A long-term habitat fragmentation experiment leads to morphological change in a species of carabid beetle. <i>Ecological Entomology</i> , 2018, 43, 282-293.	1.1	6
69	Field succession studies and casework can help to identify forensically useful Diptera. <i>Journal of Forensic Sciences</i> , 2021, 66, 2319-2328.	0.9	6
70	Insect abundance patterns on vertebrate remains reveal carrion resource quality variation. <i>Oecologia</i> , 2022, 198, 1043-1056.	0.9	5
71	How does mass loss compare with total body score when assessing decomposition of human and pig cadavers?. <i>Forensic Science, Medicine, and Pathology</i> , 2022, 18, 343-351.	0.6	5
72	<i>Macronychia</i> (Diptera: Sarcophagidae) goes cosmopolitan: description and molecular delineation of the first Australasian species. <i>Austral Entomology</i> , 2020, 59, 292-301.	0.8	4

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73	The application of insects to the estimation of the time since death. , 2020, , 57-80.		4
74	Development of larvae of the Australian blowfly, <i>Calliphora augur</i> (Diptera: Calliphoridae), at constant temperatures. Australian Journal of Forensic Sciences, 2022, 54, 710-721.	0.7	4
75	First gall midge (Diptera: Cecidomyiidae) known to feed on plant family Atherospermataceae: a new species of <i>Asphondylia</i> damaging the endangered Australian tree <i>Daphnandra johnsonii</i> . Austral Entomology, 2019, 58, 317-323.	0.8	3
76	Integrative taxonomy reveals remarkable diversity in Australian Protomiltogramma (Diptera: Tj ETQq0 0 0 rgBT /Overlock 10,3f 50 622 T	0.2	3
77	Integrative Taxonomy of Australian <i>Metopia</i> (Sarcophagidae: Miltogramminae) Reveals a New Species and Challenges Traditional Phylogeny. Insect Systematics and Diversity, 2020, 4, .	0.7	3
78	Flies getting filthy: The precopulatory mating behaviours of three mud-dwelling species of Australian <i>Lispe</i> (Diptera: Muscidae). Ethology, 2022, 128, 369-377.	0.5	3
79	Priority effects and density promote coexistence between the facultative predator <i>Chrysomya rufifacies</i> and its competitor <i>Calliphora stygia</i> . Oecologia, 2022, 199, 181-191.	0.9	3
80	Do male secondary sexual characters correlate with testis size and sperm length in the small hairy maggot blowfly?. Zoology, 2015, 118, 439-445.	0.6	2
81	First record of Miltogramminae from New Caledonia: a new species of Protomiltogramma (Diptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10,2f 2	0.2	2
82	An enigma no more: an integrated taxonomic revision of <i>Aenigmatopia Malloch</i> reveals novel phylogenetic placement and four new species (Diptera : Sarcophagidae : Miltogramminae). Invertebrate Systematics, 2020, , .	0.5	2
83	First instar larvae of endemic Australian Miltogramminae (Diptera: Sarcophagidae). Scientific Reports, 2021, 11, 2687.	1.6	2
84	The predatory impacts of invasive European wasps on flies are facilitated by carcasses with open wounds. Food Webs, 2022, 31, e00227.	0.5	2
85	Notes on the Distribution of 31 Species of Sarcophagidae (Diptera) in Australia, Including new Records in Australia for Eight Species. Transactions of the Royal Society of South Australia, 2012, 136, 56-64.	0.1	1
86	<i>Sarcophaga maxima</i> sp. nov. (Diptera: Sarcophagidae: Sarcophaginae), a new Australian flesh fly recognised by morphology and DNA barcoding. Austral Entomology, 2018, 57, 17-24.	0.8	1
87	A new species of carrion-breeding "golden blowfly" from south-eastern Australia (Diptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10,1f 0	0.1	0