

James F. Wallman

List of Publications by Year in descending order

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Version: 2024-02-01

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	Development of larvae of the Australian blowfly, <i>Calliphora augur</i> (Diptera: Calliphoridae), at constant temperatures. <i>Australian Journal of Forensic Sciences</i> , 2022, 54, 710-721.	0.7	4
2	Flies getting filthy: The precopulatory mating behaviours of three mud-dwelling species of Australian <i>Lispe</i> (Diptera: Muscidae). <i>Ethology</i> , 2022, 128, 369-377.	0.5	3
3	Insect abundance patterns on vertebrate remains reveal carrion resource quality variation. <i>Oecologia</i> , 2022, 198, 1043-1056.	0.9	5
4	The predatory impacts of invasive European wasps on flies are facilitated by carcasses with open wounds. <i>Food Webs</i> , 2022, 31, e00227.	0.5	2
5	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
6	Priority effects and density promote coexistence between the facultative predator <i>Chrysomya rufifacies</i> and its competitor <i>Calliphora stygia</i> . <i>Oecologia</i> , 2022, 199, 181-191.	0.9	3
7	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
8	First instar larvae of endemic Australian Miltogramminae (Diptera: Sarcophagidae). <i>Scientific Reports</i> , 2021, 11, 2687.	1.6	2
9	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
10	Convergence of Social Strategies in Carrion Breeding Insects. <i>BioScience</i> , 2021, 71, 1028-1037.	2.2	19
11	Temperature dynamics in different body regions of decomposing vertebrate remains. <i>Forensic Science International</i> , 2021, 325, 110900.	1.3	7
12	Integrative taxonomy reveals remarkable diversity in Australian <i>Protomiltogramma</i> (Diptera: Tj ETQq0 0 0 rgBT /Overlock 10 Jf 50 302 T	0.2	3
13	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
14	A new species of carrion-breeding "golden blowfly" from south-eastern Australia (Diptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	0.1	0
15	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
16	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
17	The evolution of sexually dimorphic cuticular hydrocarbons in blowflies (Diptera: Calliphoridae). <i>Journal of Evolutionary Biology</i> , 2020, 33, 1468-1486.	0.8	11
18	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

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19	<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
20	Traits reveal ecological strategies driving carrion insect community assembly. <i>Ecological Entomology</i> , 2020, 45, 966-977.	1.1	12
21	An enigma no more: an integrated taxonomic revision of <i>Aenigmatopia</i> Malloch reveals novel phylogenetic placement and four new species (Diptera : Sarcophagidae : Miltogramminae). <i>Invertebrate Systematics</i> , 2020, , .	0.5	2
22	The application of insects to the estimation of the time since death. , 2020, , 57-80.		4
23	Integrative Taxonomy of Australian <i>Metopia</i> (Sarcophagidae: Miltogramminae) Reveals a New Species and Challenges Traditional Phylogeny. <i>Insect Systematics and Diversity</i> , 2020, 4, .	0.7	3
24	First record of Miltogramminae from New Caledonia: a new species of <i>Protomiltogramma</i> (Diptera:) <i>Tj ETQq0 0 0 rBT /Overlock 10 Tf 5</i>	0.2	2
25	Towards Quantifying Carrion Biomass in Ecosystems. <i>Trends in Ecology and Evolution</i> , 2019, 34, 950-961.	4.2	64
26	Nutrient and moisture transfer to insect consumers and soil during vertebrate decomposition. <i>Food Webs</i> , 2019, 18, e00110.	0.5	14
27	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
28	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
29	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> . <i>Austral Entomology</i> , 2019, 58, 317-323.	0.8	3
30	Necrobiome framework for bridging decomposition ecology of autotrophically and heterotrophically derived organic matter. <i>Ecological Monographs</i> , 2019, 89, e01331.	2.4	127
31	Invertebrate Scavenging Communities. <i>Wildlife Research Monographs</i> , 2019, , 45-69.	0.4	8
32	Carrion Decomposition. <i>Wildlife Research Monographs</i> , 2019, , 101-124.	0.4	20
33	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
34	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
35	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
36	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

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37	<i>Sarcophaga maxima</i> sp. nov. (Diptera: Sarcophagidae: Sarcophaginae), a new Australian flesh fly recognised by morphology and DNA barcoding. <i>Austral Entomology</i> , 2018, 57, 17-24.	0.8	1
38	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
39	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
40	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
41	To be or not to be a valid genus: the systematic position of <i>Ophyra</i> R.É. revised (Diptera: Tj ETQq1 1 0.784314 rgBT/Overl	1.7	15
42	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
43	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
44	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
45	Body farms. <i>Forensic Science, Medicine, and Pathology</i> , 2017, 13, 487-489.	0.6	17
46	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
47	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
48	Species identification of Middle Eastern blowflies (Diptera: Calliphoridae) of forensic importance. <i>Parasitology Research</i> , 2015, 114, 1463-1472.	0.6	64
49	Do male secondary sexual characters correlate with testis size and sperm length in the small hairy maggot blowfly?. <i>Zoology</i> , 2015, 118, 439-445.	0.6	2
50	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
51	Effect of massing on larval growth rate. <i>Forensic Science International</i> , 2014, 241, 141-149.	1.3	38
52	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
53	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
54	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

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55	A Preliminary Framework for DNA Barcoding, Incorporating the Multispecies Coalescent. <i>Systematic Biology</i> , 2014, 63, 639-644.	2.7	53
56	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
57	<sc>DNA</sc> 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
58	Thermogenesis in decomposing carcasses. <i>Forensic Science International</i> , 2013, 231, 271-277.	1.3	33
59	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
60	The role of carrion in maintaining biodiversity and ecological processes in terrestrial ecosystems. <i>Oecologia</i> , 2013, 171, 761-772.	0.9	272
61	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
62	Species Traits Predict Assemblage Dynamics at Ephemeral Resource Patches Created by Carrion. <i>PLoS ONE</i> , 2013, 8, e53961.	1.1	50
63	A key to the Australian Sarcophagidae (Diptera) with special emphasis on ““Sarcophaga““ (““sensu lato““). <i>Zootaxa</i> , 2013, 3680, .	0.2	17
64	Updates on the taxonomy and nomenclature of Australian ““Sarcophaga““ (““sensu lato““). <i>Journal of Systematics and Evolution</i> , 2013, 51, 1-10.	0.2	6
65	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
66	Notes on the Distribution of 31 Species of Sarcophagidae (Diptera) in Australia, Including new Records in Australia for Eight Species. <i>Transactions of the Royal Society of South Australia</i> , 2012, 136, 56-64.	0.1	1
67	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
68	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
69	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
70	Experimental and Casework Validation of Ambient Temperature Corrections in Forensic Entomology* ““. <i>Journal of Forensic Sciences</i> , 2012, 57, 215-221.	0.9	34
71	DNA-based identification of forensically important Australian Sarcophagidae (Diptera). <i>International Journal of Legal Medicine</i> , 2011, 125, 27-32.	1.2	85
72	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 & Integrative Physiology</i> , 2009, 154, 383-388.	0.8	36

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73	Thermal attributes of <i>Chrysomya</i> species. <i>Entomologia Experimentalis Et Applicata</i> , 2009, 133, 260-275.	0.7	16
74	Development of an antigen-based rapid diagnostic test for the identification of blowfly (<i>Calliphoridae</i>) species of forensic significance. <i>Forensic Science International: Genetics</i> , 2009, 3, 162-165.	1.6	11
75	Identification of forensically important <i>Chrysomya</i> (<i>Diptera: Calliphoridae</i>) species using the second ribosomal internal transcribed spacer (ITS2). <i>Forensic Science International</i> , 2008, 177, 238-247.	1.3	45
76	Effect of preservative solutions on preservation of <i>Calliphora augur</i> and <i>Lucilia cuprina</i> larvae (<i>Diptera: Calliphoridae</i>) with implications for post-mortem interval estimates. <i>Forensic Science International</i> , 2008, 179, 1-10.	1.3	73
77	Using COI barcodes to identify forensically and medically important blowflies. <i>Medical and Veterinary Entomology</i> , 2007, 21, 44-52.	0.7	139
78	Influence of Substrate Tissue Type on Larval Growth in <i>Calliphora augur</i> and <i>Lucilia cuprina</i> (<i>Diptera</i> : <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i>)	0.9	65
79	Width as an alternative measurement to length for post-mortem interval estimations using <i>Calliphora augur</i> (<i>Diptera: Calliphoridae</i>) larvae. <i>Forensic Science International</i> , 2006, 159, 158-167.	1.3	48
80	A comparison of frozen/thawed and fresh food substrates in development of <i>Calliphora augur</i> (<i>Diptera: Calliphoridae</i>) larvae. <i>International Journal of Legal Medicine</i> , 2006, 120, 391-394.	1.2	14
81	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
82	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
83	Molecular systematics of Australian carrion-breeding blowflies (<i>Diptera:Calliphoridae</i>) based on mitochondrial DNA. <i>Invertebrate Systematics</i> , 2005, 19, 1.	0.5	87
84	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
85	Winged Evidence: Forensic Identification of Blowflies. <i>Australian Journal of Forensic Sciences</i> , 2002, 34, 73-79.	0.7	6
86	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
87	The Forensic Application of Allozyme Electrophoresis to the Identification of Blowfly Larvae (<i>Diptera</i> : <i>Tj ETQq1 1 0.784314 rgBT /Overlo</i>)	0.9	16