

Amanda Callaghan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

83
papers

1,939
citations

25
h-index

41
g-index

85
ext. papers

2,155
ext. citations

4.7
avg, IF

5.19
L-index

#	Paper	IF	Citations
83	Microplastics in freshwater ecosystems with special reference to tropical systems: Detection, impact, and management 2022 , 151-169		0
82	Prey and predator density-dependent interactions under different water volumes. <i>Ecology and Evolution</i> , 2021 , 11, 6504-6512	2.8	2
81	Phenotypic plasticity as a cause and consequence of population dynamics. <i>Ecology Letters</i> , 2021 , 24, 2406-2417	6.2	1
80	Microplastic and Organic Fibres in Feeding, Growth and Mortality of <i>Gammarus pulex</i> . <i>Environments - MDPI</i> , 2021 , 8, 74	3.2	0
79	Inter-Population Similarities and Differences in Predation Efficiency of a Mosquito Natural Enemy. <i>Journal of Medical Entomology</i> , 2020 , 57, 1983-1987	2.2	1
78	What the fluff is this? - <i>Gammarus pulex</i> prefer food sources without plastic microfibers. <i>Science of the Total Environment</i> , 2020 , 715, 136815	10.2	15
77	Alternative prey impedes the efficacy of a natural enemy of mosquitoes. <i>Biological Control</i> , 2020 , 141, 104146	3.8	5
76	Sink trap: duckweed and dye attractant reduce mosquito populations. <i>Medical and Veterinary Entomology</i> , 2020 , 34, 97-104	2.4	1
75	Lack of prey switching and strong preference for mosquito prey by a temporary pond specialist predator. <i>Ecological Entomology</i> , 2020 , 45, 369-372	2.1	3
74	Prey size and predator density modify impacts by natural enemies towards mosquitoes. <i>Ecological Entomology</i> , 2020 , 45, 423-433	2.1	4
73	Assessing multiple predator, diurnal and search area effects on predatory impacts by ephemeral wetland specialist copepods. <i>Aquatic Ecology</i> , 2020 , 54, 181-191	1.9	4
72	Sex demographics alter the effect of habitat structure on predation by a temporary pond specialist. <i>Hydrobiologia</i> , 2020 , 847, 831-840	2.4	4
71	Impacts of polystyrene microplastics on <i>Daphnia magna</i> : A laboratory and a mesocosm study. <i>Science of the Total Environment</i> , 2020 , 705, 135800	10.2	18
70	Additive multiple predator effects can reduce mosquito populations. <i>Ecological Entomology</i> , 2020 , 45, 243-250	2.1	13
69	Aquatic plant extracts and coverage mediate larval mosquito survivorship and development. <i>Biological Control</i> , 2020 , 145, 104263	3.8	0
68	Variation in the susceptibility of <i>Anopheles gambiae</i> to botanicals across a metropolitan region of Nigeria. <i>PLoS ONE</i> , 2019 , 14, e0210440	3.7	6
67	Quantifying reproductive state and predator effects on copepod motility in ephemeral ecosystems. <i>Journal of Arid Environments</i> , 2019 , 168, 59-61	2.5	2

66	Differential Interaction Strengths and Prey Preferences Across Larval Mosquito Ontogeny by a Cohabiting Predatory Midge. <i>Journal of Medical Entomology</i> , 2019 , 56, 1428-1432	2.2	3
65	Elusive enemies: Consumptive and ovipositional effects on mosquitoes by predatory midge larvae are enhanced in dyed environments. <i>Biological Control</i> , 2019 , 132, 116-121	3.8	5
64	Combined impacts of warming and salinisation on trophic interactions and mortality of a specialist ephemeral wetland predator. <i>Freshwater Biology</i> , 2019 , 64, 1584-1592	3.1	17
63	A novel metric reveals biotic resistance potential and informs predictions of invasion success. <i>Scientific Reports</i> , 2019 , 9, 15314	4.9	6
62	The Effect of the Alternative Prey, <i>Paramecium caudatum</i> (Peniculida: Parameciidae), on the Predation of <i>Culex pipiens</i> (Diptera: Culicidae) by the Copepods <i>Macrocyclus albidus</i> and <i>Megacyclus viridis</i> (Cyclopoida: Cyclopidae). <i>Journal of Medical Entomology</i> , 2019 , 56, 276-279	2.2	7
61	Using functional responses to quantify notonectid predatory impacts across increasingly complex environments. <i>Acta Oecologica</i> , 2019 , 95, 116-119	1.7	18
60	The influence of microplastics on trophic interaction strengths and oviposition preferences of dipterans. <i>Science of the Total Environment</i> , 2019 , 651, 2420-2423	10.2	23
59	Examining effects of ontogenic microplastic transference on <i>Culex</i> mosquito mortality and adult weight. <i>Science of the Total Environment</i> , 2019 , 651, 871-876	10.2	28
58	Interspecific variation, habitat complexity and ovipositional responses modulate the efficacy of cyclopoid copepods in disease vector control. <i>Biological Control</i> , 2018 , 121, 80-87	3.8	23
57	Biological control agent selection under environmental change using functional responses, abundances and fecundities; the Relative Control Potential (RCP) metric. <i>Biological Control</i> , 2018 , 121, 50-57	3.8	50
56	Muddy waters: Efficacious predation of container-breeding mosquitoes by a newly-described calanoid copepod across differential water clarities. <i>Biological Control</i> , 2018 , 127, 25-30	3.8	10
55	Calanoid Copepods: An Overlooked Tool in the Control of Disease Vector Mosquitoes. <i>Journal of Medical Entomology</i> , 2018 , 55, 1656-1658	2.2	23
54	The effect of pond dyes on oviposition and survival in wild UK <i>Culex</i> mosquitoes. <i>PLoS ONE</i> , 2018 , 13, e0193847	3.7	4
53	Impact of polystyrene microplastics on mortality and reproduction in relation to food availability. <i>PeerJ</i> , 2018 , 6, e4601	3.1	66
52	Dye another day: the predatory impact of cyclopoid copepods on larval mosquito <i>Culex pipiens</i> is unaffected by dyed environments. <i>Journal of Vector Ecology</i> , 2018 , 43, 334-336	1.5	11
51	Sex-skewed trophic impacts in ephemeral wetlands. <i>Freshwater Biology</i> , 2018 , 64, 359	3.1	2
50	Intermediate predator naïveté and sex-skewed vulnerability predict the impact of an invasive higher predator. <i>Scientific Reports</i> , 2018 , 8, 14282	4.9	17
49	Threats to the validity of the Collegiate Learning Assessment (CLA+) as a measure of critical thinking skills and implications for Learning Gain. <i>Higher Education Pedagogies</i> , 2018 , 3, 57-82	1.2	7

48	Up and away: ontogenic transference as a pathway for aerial dispersal of microplastics. <i>Biology Letters</i> , 2018 , 14,	3.6	54
47	Pond dyes are mosquito oviposition attractants. <i>PeerJ</i> , 2017 , 5, e3361	3.1	8
46	Morphological and fecundity traits of <i>Culex</i> mosquitoes caught in gravid traps in urban and rural Berkshire, UK. <i>Bulletin of Entomological Research</i> , 2015 , 105, 615-20	1.7	9
45	British container breeding mosquitoes: the impact of urbanisation and climate change on community composition and phenology. <i>PLoS ONE</i> , 2014 , 9, e95325	3.7	63
44	Variation in the sensitivity of <i>Callosobruchus</i> (Coleoptera: Bruchidae) acetylcholinesterase to the organophosphate insecticide malaoxon: effect of species, geographical strain and food type. <i>Pest Management Science</i> , 2012 , 68, 1265-71	4.6	8
43	Gene transcription in <i>Daphnia magna</i> : effects of acute exposure to a carbamate insecticide and an acetanilide herbicide. <i>Aquatic Toxicology</i> , 2010 , 97, 268-76	5.1	36
42	Clonal variation in acetylcholinesterase biomarkers and life history traits following OP exposure in <i>Daphnia magna</i> . <i>Ecotoxicology and Environmental Safety</i> , 2008 , 71, 519-26	7	13
41	Interaction of pesticides with p-glycoprotein and other ABC proteins: A survey of the possible importance to insecticide, herbicide and fungicide resistance. <i>Pesticide Biochemistry and Physiology</i> , 2008 , 90, 141-153	4.9	101
40	Reproduction recovery of the crustacean <i>Daphnia magna</i> after chronic exposure to ibuprofen. <i>Ecotoxicology</i> , 2008 , 17, 246-51	2.9	54
39	The use of image analysis to estimate population growth rate in <i>Daphnia magna</i> . <i>Journal of Applied Ecology</i> , 2006 , 43, 828-834	5.8	20
38	A comparative study on the relationship between acetylcholinesterase activity and acute toxicity in <i>Daphnia magna</i> exposed to anticholinesterase insecticides. <i>Environmental Toxicology and Chemistry</i> , 2004 , 23, 1241-7	3.8	70
37	Molecular comparisons of the <i>Culex pipiens</i> (L.) complex esterase gene amplicons. <i>Insect Biochemistry and Molecular Biology</i> , 2004 , 34, 433-41	4.5	7
36	Haem peroxidase activity in <i>Daphnia magna</i> : a biomarker for sub-lethal toxicity assessments of kerosene-contaminated groundwater. <i>Ecotoxicology</i> , 2003 , 12, 387-95	2.9	7
35	Multivariate relationships between groundwater chemistry and toxicity in an urban aquifer. <i>Environmental Toxicology and Chemistry</i> , 2003 , 22, 2813-21	3.8	1
34	Intraclonal variability in <i>Daphnia</i> acetylcholinesterase activity: the implications for its applicability as a biomarker. <i>Environmental Toxicology and Chemistry</i> , 2003 , 22, 2042-7	3.8	24
33	Incorporation of in situ and biomarker assays in higher-tier assessment of the aquatic toxicity of insecticides. <i>Water Research</i> , 2003 , 37, 4180-90	12.5	13
32	Induction of cytochrome P-450 activity in individual <i>Chironomus riparius</i> Meigen larvae exposed to xenobiotics. <i>Ecotoxicology and Environmental Safety</i> , 2003 , 54, 1-6	7	38
31	Evidence for p-glycoprotein modification of insecticide toxicity in mosquitoes of the <i>Culex pipiens</i> complex. <i>Medical and Veterinary Entomology</i> , 2002 , 16, 218-22	2.4	78

30	Temperature and genotypic effects on life history and fluctuating asymmetry in a field strain of <i>Culex pipiens</i> . <i>Heredity</i> , 2002 , 88, 307-12	3.6	33
29	Effect of temperature and pirimiphos methyl on biochemical biomarkers in <i>Chironomus riparius</i> Meigen. <i>Ecotoxicology and Environmental Safety</i> , 2002 , 52, 128-33	7	35
28	Evidence for an interaction between p-glycoprotein and cadmium toxicity in cadmium-resistant and -susceptible strains of <i>Drosophila melanogaster</i> . <i>Ecotoxicology and Environmental Safety</i> , 2002 , 52, 211-37	7	23
27	Relationship between biomarker activity and developmental endpoints in <i>Chironomus riparius</i> Meigen exposed to an organophosphate insecticide. <i>Ecotoxicology and Environmental Safety</i> , 2002 , 53, 361-9	7	57
26	Effects of temperature and genetic stress on life history and fluctuating wing asymmetry in <i>Culex pipiens</i> mosquitoes. <i>European Journal of Entomology</i> , 2002 , 99, 405-412		13
25	Insecticide resistance gene transmission by insecticide-susceptible insects. <i>Functional Ecology</i> , 2001 , 15, 812-813	5.6	3
24	Variability in acetylcholinesterase and glutathione S-transferase activities in <i>Chironomus riparius</i> meigen deployed in situ at uncontaminated field sites. <i>Environmental Toxicology and Chemistry</i> , 2001 , 20, 1725-1732	3.8	73
23	Effect of short-term exposure to chlorpyrifos on developmental parameters and biochemical biomarkers in <i>Chironomus riparius</i> Meigen. <i>Ecotoxicology and Environmental Safety</i> , 2001 , 50, 19-24	7	31
22	Short-term exposure to sub-lethal doses of lindane affects developmental parameters in <i>Chironomus riparius</i> Meigen, but has no effect on larval glutathione-S-transferase activity. <i>Chemosphere</i> , 2001 , 44, 583-9	8.4	25
21	A comparison of the effects of organophosphate insecticide exposure and temperature stress on fluctuating asymmetry and life history traits in <i>Culex quinquefasciatus</i> . <i>Chemosphere</i> , 2001 , 45, 713-20	8.4	34
20	An optimized microtiterplate assay to detect acetylcholinesterase activity in individual <i>Chironomus riparius</i> Meigen. <i>Environmental Toxicology and Chemistry</i> , 2000 , 19, 1749-1752	3.8	31
19	An in situ system for exposing aquatic invertebrates to contaminated sediments. <i>Environmental Toxicology and Chemistry</i> , 2000 , 19, 2715-2719	3.8	35
18	Fluctuating wing asymmetry and larval density stress in <i>Culex quinquefasciatus</i> (Diptera: Culicidae). <i>Bulletin of Entomological Research</i> , 2000 , 90, 279-83	1.7	28
17	. <i>Environmental Toxicology and Chemistry</i> , 2000 , 19, 1749	3.8	22
16	The use of garlic (<i>Alliumsativa</i>) and lemon peel (<i>Citrus limom</i>) extracts as <i>Culex pipiens</i> larvacides: Persistence and interaction with an organophosphate resistance mechanism. <i>Chemosphere</i> , 1999 , 39, 2489-2496	8.4	18
15	THE RELATIONSHIP BETWEEN ENVIRONMENTAL STRESS AND VARIANCE 1999 , 9, 456-462		13
14	Polymorphisms and fluctuations in copy number of amplified esterase genes in <i>Culex pipiens</i> mosquitoes. <i>Insect Molecular Biology</i> , 1998 , 7, 295-300	3.4	38
13	Esterase activity and allele frequency in field populations of <i>Simulium equinum</i> (L.) (Diptera: Simuliidae) exposed to organophosphate pollution. <i>Environmental Toxicology and Chemistry</i> , 1997 , 16, 2550-2555	3.8	9

12	. <i>Environmental Toxicology and Chemistry</i> , 1997 , 16, 2550	3.8	5
11	Esterase gene amplification in <i>Culex pipiens</i> . <i>Insect Molecular Biology</i> , 1997 , 6, 319-27	3.4	41
10	Esterase polymorphism in insecticide susceptible populations of the mosquito <i>Culex pipiens</i> . <i>Genetical Research</i> , 1996 , 67, 19-26	1.1	32
9	Prevention of changes in the electrophoretic mobility of overproduced esterases from organophosphate-resistant mosquitoes of the <i>Culex pipiens</i> complex. <i>Medical and Veterinary Entomology</i> , 1994 , 8, 391-4	2.4	9
8	Temperature-related activity loss and mobility changes of esterases associated with insecticide resistance in <i>Culex pipiens</i> mosquitoes. <i>Medical and Veterinary Entomology</i> , 1993 , 7, 287-90	2.4	6
7	The selection and genetic analysis of esterase electromorphs in an organophosphate-resistant strain of <i>Culex pipiens</i> from Italy. <i>Biochemical Genetics</i> , 1993 , 31, 459-72	2.4	6
6	The selection and genetic analysis of esterase electromorphs in an organophosphate-resistant strain of <i>Culex pipiens</i> from Italy. <i>Biochemical Genetics</i> , 1993 , 31-31, 459-472	2.4	
5	Biochemical characterization of chlorphoxim resistance in adults and larvae of the <i>Simulium damnosum</i> complex (Diptera: Simuliidae). <i>Bulletin of Entomological Research</i> , 1991 , 81, 401-406	1.7	8
4	Worldwide migration of amplified insecticide resistance genes in mosquitoes. <i>Nature</i> , 1991 , 350, 151-3	50.4	249
3	Biochemical studies of A and B carboxylesterases from organophosphate resistant strains of an Italian <i>Culex pipiens</i> (Diptera: Culicidae). <i>Pesticide Biochemistry and Physiology</i> , 1991 , 41, 198-206	4.9	13
2	Mechanisms of organophosphate and carbamate resistance in <i>Culex quinquefasciatus</i> from Saudi Arabia. <i>Medical and Veterinary Entomology</i> , 1990 , 4, 275-82	2.4	34
1	Temephos resistance in <i>Simulium damnosum</i> Theobald (Diptera: Simuliidae): a comparative study between larvae and adults of the forest and savanna strains of this species complex. <i>Bulletin of Entomological Research</i> , 1989 , 79, 659-670	1.7	12