

# Alison M Dunn

## List of Publications by Year in descending order

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131  
papers

6,470  
citations

76326

40  
h-index

76900

74  
g-index

136  
all docs

136  
docs citations

136  
times ranked

6199  
citing authors

#	ARTICLE	IF	CITATIONS
1	Roles of parasites in animal invasions. <i>Trends in Ecology and Evolution</i> , 2004, 19, 385-390.	8.7	437
2	How parasites affect interactions between competitors and predators. <i>Ecology Letters</i> , 2006, 9, 1253-1271.	6.4	341
3	Wildlife diseases: from individuals to ecosystems. <i>Journal of Animal Ecology</i> , 2011, 80, 19-38.	2.8	339
4	Advancing impact prediction and hypothesis testing in invasion ecology using a comparative functional response approach. <i>Biological Invasions</i> , 2014, 16, 735-753.	2.4	214
5	Do invasive species perform better in their new ranges?. <i>Ecology</i> , 2013, 94, 985-994.	3.2	210
6	Diverse effects of parasites in ecosystems: linking interdependent processes. <i>Frontiers in Ecology and the Environment</i> , 2012, 10, 186-194.	4.0	209
7	Microsporidia: diverse, dynamic, and emergent pathogens in aquatic systems. <i>Trends in Parasitology</i> , 2013, 29, 567-578.	3.3	185
8	Parasites and biological invasions: parallels, interactions, and control. <i>Trends in Parasitology</i> , 2015, 31, 189-199.	3.3	175
9	Indirect effects of parasites in invasions. <i>Functional Ecology</i> , 2012, 26, 1262-1274.	3.6	172
10	Invader Relative Impact Potential: a new metric to understand and predict the ecological impacts of existing, emerging and future invasive alien species. <i>Journal of Applied Ecology</i> , 2017, 54, 1259-1267.	4.0	165
11	Microsporidian life cycles and diversity: the relationship between virulence and transmission. <i>Microbes and Infection</i> , 2001, 3, 381-388.	1.9	157
12	Widespread vertical transmission and associated host sex ratio distortion within the eukaryotic phylum Microspora. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 1783-1789.	2.6	157
13	Chapter 7 Parasites and Biological Invasions. <i>Advances in Parasitology</i> , 2009, 68, 161-184.	3.2	157
14	Inherited microorganisms, sex-specific virulence and reproductive parasitism. <i>Trends in Parasitology</i> , 2001, 17, 88-94.	3.3	150
15	The Role of Tourism and Recreation in the Spread of Non-Native Species: A Systematic Review and Meta-Analysis. <i>PLoS ONE</i> , 2015, 10, e0140833.	2.5	110
16	Disease emergence and invasions. <i>Functional Ecology</i> , 2012, 26, 1275-1287.	3.6	104
17	Transovarial transmission in the microsporidia. <i>Advances in Parasitology</i> , 2001, 48, 57-100.	3.2	99
18	Alien Pathogens on the Horizon: Opportunities for Predicting their Threat to Wildlife. <i>Conservation Letters</i> , 2017, 10, 477-484.	5.7	96

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19	Parasite-mediated predation between native and invasive amphipods. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 1309-1314.	2.6	95
20	Predatory Functional Response and Prey Choice Identify Predation Differences between Native/Invasive and Parasitised/Unparasitised Crayfish. <i>PLoS ONE</i> , 2012, 7, e32229.	2.5	94
21	Population Dynamics under Parasitic Sex Ratio Distortion. <i>Theoretical Population Biology</i> , 1999, 56, 11-28.	1.1	83
22	Impact of a Novel, Feminising Microsporidium on its Crustacean Host. <i>Journal of Eukaryotic Microbiology</i> , 1998, 45, 497-501.	1.7	80
23	Dragonflies and damselflies (Odonata) in urban ecosystems: A review. <i>European Journal of Entomology</i> , 0, 113, 217-232.	1.2	79
24	Predicting invasive species impacts: a community module functional response approach reveals context dependencies. <i>Journal of Animal Ecology</i> , 2015, 84, 453-463.	2.8	76
25	Ultrastructural Characterisation and Molecular Taxonomic Identification of <i>Nosema granulosis</i> n. sp., a Transovarially Transmitted Feminising (TTF) Microsporidium. <i>Journal of Eukaryotic Microbiology</i> , 1999, 46, 492-499.	1.7	74
26	Parasitism may enhance rather than reduce the predatory impact of an invader. <i>Biology Letters</i> , 2010, 6, 636-638.	2.3	72
27	Biosecurity and Vector Behaviour: Evaluating the Potential Threat Posed by Anglers and Canoeists as Pathways for the Spread of Invasive Non-Native Species and Pathogens. <i>PLoS ONE</i> , 2014, 9, e92788.	2.5	69
28	Transovarial Transmission and Sex Ratio Distortion by a Microsporidian Parasite in a Shrimp. <i>Journal of Invertebrate Pathology</i> , 1993, 61, 248-252.	3.2	62
29	Competition and parasitism in the native White Clawed Crayfish <i>Austropotamobius pallipes</i> and the invasive Signal Crayfish <i>Pacifastacus leniusculus</i> in the UK. <i>Biological Invasions</i> , 2009, 11, 315-324.	2.4	62
30	Factors affecting the reliability of the McMaster technique. <i>Journal of Helminthology</i> , 1986, 60, 260-262.	1.0	61
31	Mechanisms of parasite-induced sex reversal in <i>Gammarus duebeni</i> . <i>International Journal for Parasitology</i> , 2004, 34, 747-753.	3.1	59
32	Parasites that change predator or prey behaviour can have keystone effects on community composition. <i>Biology Letters</i> , 2014, 10, 20130879.	2.3	59
33	Predicting the ecological impacts of a new freshwater invader: functional responses and prey selectivity of the 'killer shrimp' <i>Dikerogammarus villosus</i> , compared to the native <i>Gammarus pulex</i> . <i>Freshwater Biology</i> , 2014, 59, 337-352.	2.4	55
34	Effects of the acanthocephalan parasite <i>Echinorhynchus truttae</i> on the feeding ecology of <i>Gammarus pulex</i> (Crustacea: Amphipoda). <i>Journal of Zoology</i> , 2003, 261, 321-325.	1.7	54
35	Invasion success of <i>Fibrillanosema crangonycis</i> , n.sp., n.g.: a novel vertically transmitted microsporidian parasite from the invasive amphipod host <i>Crangonyx pseudogracilis</i> . <i>International Journal for Parasitology</i> , 2004, 34, 235-244.	3.1	54
36	Parasite altered micro-distribution of <i>Gammarus pulex</i> (Crustacea: Amphipoda). <i>International Journal for Parasitology</i> , 2003, 33, 57-64.	3.1	52

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37	The replacement of a native freshwater amphipod by an invader: roles for environmental degradation and intraguild predation. Canadian Journal of Fisheries and Aquatic Sciences, 2004, 61, 1627-1635.	1.4	49
38	The less amorous Gammarus: predation risk affects mating decisions in Gammarus duebeni (Amphipoda). Animal Behaviour, 2008, 76, 1289-1295.	1.9	49
39	Parasitism and epibiosis in native and non-native gammarids in freshwater in Ireland. Ecography, 1998, 21, 593-598.	4.5	45
40	Reduction in post-invasion genetic diversity in Crangonyx pseudogracilis (Amphipoda: Crustacea): a genetic bottleneck or the work of hitchhiking vertically transmitted microparasites?. Biological Invasions, 2010, 12, 191-209.	2.4	43
41	Lethal and sublethal toxicity of ammonia to native, invasive, and parasitised freshwater amphipods. Water Research, 2004, 38, 2847-2850.	11.3	42
42	Parasite transmission and cannibalism in an amphipod (Crustacea). International Journal for Parasitology, 2003, 33, 795-798.	3.1	41
43	Olfactory cue use by three-spined sticklebacks foraging in turbid water: prey detection or prey location?. Animal Behaviour, 2012, 84, 151-158.	1.9	41
44	An acanthocephalan parasite mediates intraguild predation between invasive and native freshwater amphipods (Crustacea). Freshwater Biology, 2003, 48, 2085-2093.	2.4	40
45	Resolution of a Taxonomic Conundrum: an Ultrastructural and Molecular Description of the Life Cycle of Pleistophora mulleri (Pfeiffer 1895; Georgevitch 1929). Journal of Eukaryotic Microbiology, 2003, 50, 266-273.	1.7	40
46	Predator cue studies reveal strong trait-mediated effects in communities despite variation in experimental designs. Animal Behaviour, 2013, 86, 1301-1313.	1.9	40
47	Use of sentinel snails for the detection of Schistosoma haematobium transmission on Zanzibar and observations on transmission patterns. Acta Tropica, 2013, 128, 234-240.	2.0	39
48	Strategic sperm allocation under parasitic sex-ratio distortion. Biology Letters, 2006, 2, 78-80.	2.3	35
49	Cucumispora ornata n. sp. (Fungi: Microsporidia) infecting invasive 'demon shrimp' (Dikerogammarus) Tj ETQq1 1 0.784314 rg	3.2	35
50	Parasites, pathogens and commensals in the 'low-impact' non-native amphipod host Gammarus roeselii. Parasites and Vectors, 2017, 10, 193.	2.5	35
51	Muddied waters: suspended sediment impacts on gill structure and aerobic scope in an endangered native and an invasive freshwater crayfish. Hydrobiologia, 2014, 722, 61-74.	2.0	34
52	Pathogens of Dikerogammarus haemobaphes regulate host activity and survival, but also threaten native amphipod populations in the UK. Diseases of Aquatic Organisms, 2019, 136, 63-78.	1.0	34
53	Size and pairing success in Gammarus duebeni: can females be too big?. Animal Behaviour, 1997, 54, 1301-1308.	1.9	33
54	Intersexuality in the amphipod Gammarus duebeni results from incomplete feminisation by the vertically transmitted parasitic sex ratio distorter Nosema granulosis. Evolutionary Ecology, 2004, 18, 121-132.	1.2	33

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55	Feeding behaviour, predatory functional responses and trophic interactions of the invasive Chinese mitten crab ( <i>Eriocheir sinensis</i> ) and signal crayfish ( <i>Pacifastacus leniusculus</i> ). Freshwater Biology, 2016, 61, 426-443.	2.4	33
56	Green crab <i>Carcinus maenas</i> symbiont profiles along a North Atlantic invasion route. Diseases of Aquatic Organisms, 2018, 128, 147-168.	1.0	33
57	A keystone effect for parasites in intraguild predation?. Biology Letters, 2008, 4, 534-537.	2.3	32
58	Effects of feminizing microsporidia on the masculinizing function of the androgenic gland in <i>Gammarus duebeni</i> . Journal of Invertebrate Pathology, 2013, 112, 146-151.	3.2	32
59	Challenging the view that invasive non-native plants are not a significant threat to the floristic diversity of Great Britain. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2988-9.	7.1	32
60	Molecular data suggest that microsporidian parasites in freshwater snails are diverse. International Journal for Parasitology, 2005, 35, 1071-1078.	3.1	26
61	Invaders in hot water: a simple decontamination method to prevent the accidental spread of aquatic invasive non-native species. Biological Invasions, 2015, 17, 2287-2297.	2.4	26
62	<i>Parahepatospora carcini</i> n. gen., n. sp., a parasite of invasive <i>Carcinus maenas</i> with intermediate features of sporogony between the Enterocytozoon clade and other microsporidia. Journal of Invertebrate Pathology, 2017, 143, 124-134.	3.2	26
63	The role of calceoli in mate assessment and precopula guarding in <i>Gammarus</i> . Animal Behaviour, 1998, 56, 1471-1475.	1.9	24
64	Differential drift and parasitism in invading and native <i>Gammarus</i> spp. (Crustacea: Amphipoda). Ecography, 2003, 26, 467-473.	4.5	24
65	Viewing Emerging Human Infectious Epidemics through the Lens of Invasion Biology. BioScience, 2021, 71, 722-740.	4.9	24
66	Prey aggregation is an effective olfactory predator avoidance strategy. PeerJ, 2014, 2, e408.	2.0	24
67	A species invasion mediated through habitat structure, intraguild predation, and parasitism. Limnology and Oceanography, 2004, 49, 1848-1856.	3.1	23
68	â€Candidatus <i>Aquirickettsiella gammari</i> â€™ (Gammaproteobacteria: Legionellales: Coxiellaceae): A bacterial pathogen of the freshwater crustacean <i>Gammarus fossarum</i> (Malacostraca: Amphipoda). Journal of Invertebrate Pathology, 2018, 156, 41-53.	3.2	23
69	Two cues for sex determination in <i>Gammarus duebeni</i> : Adaptive variation in environmental sex determination?. Limnology and Oceanography, 2005, 50, 346-353.	3.1	22
70	Intersexuality in <i>Gammarus Duebenii</i> (Amphipoda), a Cost Incurred in Populations With Environmental Sex Determination?. Crustaceana, 1996, 69, 313-320.	0.3	21
71	Local adaptation and enhanced virulence of <i>Nosema granulosis</i> artificially introduced into novel populations of its crustacean host, <i>Gammarus duebeni</i> . International Journal for Parasitology, 2005, 35, 265-274.	3.1	21
72	Mate choice and mate guarding under the influence of a vertically transmitted, parasitic sex ratio distorter. Animal Behaviour, 2001, 61, 763-770.	1.9	19

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73	Morphological diversity and phenotypic plasticity in the threatened British white-clawed crayfish <i>Austropotamobius pallipes</i> . <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2012, 22, 220-231.	2.0	19
74	Eaten alive: cannibalism is enhanced by parasites. <i>Royal Society Open Science</i> , 2015, 2, 140369.	2.4	19
75	Do low-head riverine structures hinder the spread of invasive crayfish? Case study of signal crayfish ( <i>Pacifastacus leniusculus</i> ) movements at a flow gauging weir. <i>Management of Biological Invasions</i> , 2013, 4, 273-282.	1.2	19
76	Intersexuality in the crustacean <i>Gammarus duebeni</i> . <i>Invertebrate Reproduction and Development</i> , 1994, 25, 139-142.	0.8	18
77	Transmission and burden and the impact of temperature on two species of vertically transmitted microsporidia. <i>International Journal for Parasitology</i> , 2006, 36, 409-414.	3.1	17
78	The effectiveness of disinfectant and steam exposure treatments to prevent the spread of the highly invasive killer shrimp, <i>Dikerogammarus villosus</i> . <i>Scientific Reports</i> , 2020, 10, 1919.	3.3	17
79	Specific Detection and Localization of Microsporidian Parasites in Invertebrate Hosts by Using <i>In Situ</i> Hybridization. <i>Applied and Environmental Microbiology</i> , 2013, 79, 385-388.	3.1	16
80	Enemy release and genetic founder effects in invasive killer shrimp populations of Great Britain. <i>Biological Invasions</i> , 2015, 17, 1439-1451.	2.4	16
81	Biocide Treatment of Invasive Signal Crayfish: Successes, Failures and Lessons Learned. <i>Diversity</i> , 2019, 11, 29.	1.7	16
82	Editorial: Invasions and infections. <i>Functional Ecology</i> , 2012, 26, 1234-1237.	3.6	15
83	Environmental noise reduces predation rate in an aquatic invertebrate. <i>Journal of Insect Conservation</i> , 2017, 21, 839-847.	1.4	15
84	Antagonistic effects of biological invasion and environmental warming on detritus processing in freshwater ecosystems. <i>Oecologia</i> , 2017, 183, 875-886.	2.0	13
85	The impact of predation risk and of parasitic infection on parental care in brooding crustaceans. <i>Animal Behaviour</i> , 2014, 96, 97-105.	1.9	12
86	Transformation of detritus by a European native and two invasive alien freshwater decapods. <i>Biological Invasions</i> , 2018, 20, 1799-1808.	2.4	12
87	Multi-faceted impacts of native and invasive alien decapod species on freshwater biodiversity and ecosystem functioning. <i>Freshwater Biology</i> , 2019, 64, 461-473.	2.4	12
88	Intersexes in a Shrimp: A Possible Disadvantage of Environmental Sex Determination. <i>Evolution; International Journal of Organic Evolution</i> , 1990, 44, 1875.	2.3	11
89	Resource Allocation to Young: Seasonal Patterns within and between <i>Gammarus duebeni</i> Populations. <i>Oikos</i> , 1995, 73, 199.	2.7	11
90	Differential physico-chemical tolerances and intraguild predation among native and invasive amphipods (Crustacea); a field study. <i>Archiv für Hydrobiologie</i> , 2003, 156, 165-179.	1.1	11

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91	Targeting of host cell lineages by vertically transmitted, feminising microsporidia. <i>International Journal for Parasitology</i> , 2006, 36, 749-756.	3.1	11
92	Invasion success of a widespread invasive predator may be explained by a high predatory efficacy but may be influenced by pathogen infection. <i>Biological Invasions</i> , 2019, 21, 3545-3560.	2.4	11
93	Insights into sperm-egg fertilisation relationships in the Arthropoda with ecological significance modelled in an amphipod. <i>Invertebrate Reproduction and Development</i> , 2012, 56, 50-56.	0.8	9
94	Temporal changes in the distribution of native and introduced freshwater amphipods in Lough Neagh, Northern Ireland. <i>Archiv für Hydrobiologie</i> , 2003, 157, 379-395.	1.1	8
95	Exploring knowledge, perception of risk and biosecurity practices among researchers in the UK: a quantitative survey. <i>Biological Invasions</i> , 2019, 21, 303-314.	2.4	8
96	The effectiveness of e-Learning on biosecurity practice to slow the spread of invasive alien species. <i>Biological Invasions</i> , 2020, 22, 2559-2571.	2.4	8
97	Superior predatory ability and abundance predicts potential ecological impact towards early-stage anurans by invasive "Killer Shrimp" ( <i>Dikerogammarus villosus</i> ). <i>Scientific Reports</i> , 2021, 11, 4570.	3.3	8
98	Parasites influence cannibalistic and predatory interactions within and between native and invasive amphipods. <i>Diseases of Aquatic Organisms</i> , 2019, 136, 79-86.	1.0	8
99	Should sex-ratio distorting parasites abandon horizontal transmission?. <i>BMC Evolutionary Biology</i> , 2011, 11, 370.	3.2	7
100	A method test of the use of electric shock treatment to control invasive signal crayfish in streams. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2015, 25, 874-880.	2.0	7
101	Habitat use by the endangered white-clawed crayfish <i>Austropotamobius</i> species complex: a systematic review. <i>Knowledge and Management of Aquatic Ecosystems</i> , 2017, , 4.	1.1	7
102	Periwinkles and parasites: the occurrence and phenotypic effects of parasites in <i>Littorina saxatilis</i> and <i>L. arcana</i> in northeastern England. <i>Journal of Molluscan Studies</i> , 2017, 83, 69-78.	1.2	7
103	A review of marking techniques for Crustacea and experimental appraisal of electric cauterisation and visible implant elastomer tagging for <i>Austropotamobius pallipes</i> and <i>Pacifastacus leniusculus</i> . <i>Freshwater Crayfish</i> , 2011, 18, 55-67.	0.5	6
104	Stakeholder discourse and opinion towards a charismatic non-native lizard species: Potential invasive problem or a welcome addition?. <i>People and Nature</i> , 2019, 1, 152-166.	3.7	6
105	Patterns of infection in a native and an invasive crayfish across the UK. <i>Journal of Invertebrate Pathology</i> , 2021, 184, 107595.	3.2	6
106	Effect of pH on growth and survival in the freshwater crayfish <i>Austropotamobius pallipes</i> . <i>Freshwater Crayfish</i> , 2013, 19, 53-62.	0.5	6
107	Parasitic manipulation of host life history and sexual behaviour. <i>Behavioural Processes</i> , 2005, 68, 255-258.	1.1	5
108	Horizontal transmission of <i>Thelohania contejeani</i> in the endangered white-clawed ( <i>Austropotamobius pallipes</i> ) and the invasive signal crayfish ( <i>Pacifastacus leniusculus</i> ). <i>Parasitology</i> , 2012, 139, 1471-1477.	1.5	5

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109	Perceived risk of sperm competition affects sperm investment in a mate-guarding amphipod. <i>Animal Behaviour</i> , 2014, 87, 231-238.	1.9	5
110	Better off dead: assessment of aquatic disinfectants and thermal shock treatments to prevent the spread of invasive freshwater bivalves. <i>Wetlands Ecology and Management</i> , 2020, 28, 285-295.	1.5	5
111	Podocotyle atomon (Trematoda: Digenea) impacts reproductive behaviour, survival and physiology in Gammarus zaddachi (Amphipoda). <i>Diseases of Aquatic Organisms</i> , 2019, 136, 51-62.	1.0	5
112	Is Resource Partitioning among Offspring a Response to Brood Sex Ratio in an Amphipod with Environmental Sex Determination?. <i>Oikos</i> , 1994, 69, 203.	2.7	4
113	Infection and invasion: study cases from aquatic communities. , 2019, , 262-295.		4
114	Invasion progress of the signal crayfish ( <i>Pacifastacus leniusculus</i> (Dana)) and displacement of the native white-clawed crayfish ( <i>Austropotamobius pallipes</i> (Lereboullet)) in the River Wharfe, UK. <i>Freshwater Crayfish</i> , 2011, 18, 45-53.	0.5	4
115	Trait-Mediated Effects of Parasites on Invader-Native Interactions. <i>Parasitology Research Monographs</i> , 2015, , 29-47.	0.3	3
116	Fluctuating asymmetry, parasitism and reproductive fitness in two species of gammarid crustacean. <i>Diseases of Aquatic Organisms</i> , 2019, 136, 37-49.	1.0	3
117	Evidence for the Displacement of Gammarus Duebenii By Gammarus Pulex (Amphipoda) in a Freshwater Site in Brittany, France. <i>Crustaceana</i> , 1995, 68, 912-914.	0.3	2
118	Evidence for the Displacement of Gammarus Duebenii By Gammarus Pulex (Amphipoda) in a Freshwater Site in Brittany, France. <i>Crustaceana</i> , 1995, 68, 912-914.	0.3	2
119	Parasites and competitors. , 2011, , 20-89.		2
120	Invasive alien shredders clear up invasive alien leaf litter. <i>Ecology and Evolution</i> , 2018, 8, 10049-10056.	1.9	2
121	Response behaviour of native lizards and invading wall lizard to interspecific scent: implications for invasion success. <i>Animal Behaviour</i> , 2020, 166, 109-117.	1.9	2
122	Coherence of marine alien species biosecurity legislation: A study of England and Wales. <i>Marine Pollution Bulletin</i> , 2020, 161, 111796.	5.0	2
123	Climate and habitat configuration limit range expansion and patterns of dispersal in a non-native lizard. <i>Ecology and Evolution</i> , 2021, 11, 3332-3346.	1.9	2
124	Disturbed flow in an aquatic environment may create a sensory refuge for aggregated prey. <i>PeerJ</i> , 2017, 5, e3121.	2.0	2
125	Parasites and invasions. , 0, , 224-264.		1
126	The fascination of investigating parasites. <i>Journal of Biological Education</i> , 2004, 39, 40-41.	1.5	0



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127	Parasites and predators. , 0, , 90-140.		0
128	Parasites and intraguild predation. , 0, , 141-175.		0
129	Plant pathogens and parasitic plants. , 0, , 176-223.		0
130	Emerging diseases in humans and wildlife. , 0, , 320-385.		0
131	Ecosystem parasitology. , 0, , 265-319.		0