

# Jason Hoverman

## List of Publications by Year in descending order

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89  
papers

5,066  
citations

94269

37  
h-index

102304

66  
g-index

96  
all docs

96  
docs citations

96  
times ranked

4759  
citing authors

#	ARTICLE	IF	CITATIONS
1	Agrochemicals increase trematode infections in a declining amphibian species. <i>Nature</i> , 2008, 455, 1235-1239.	13.7	402
2	Assessing the ecology in ecotoxicology: a review and synthesis in freshwater systems. <i>Ecology Letters</i> , 2006, 9, 1157-1171.	3.0	384
3	Biodiversity decreases disease through predictable changes in host community competence. <i>Nature</i> , 2013, 494, 230-233.	13.7	288
4	Ecology and pathology of amphibian ranaviruses. <i>Diseases of Aquatic Organisms</i> , 2009, 87, 243-266.	0.5	264
5	Living fast and dying of infection: host life history drives interspecific variation in infection and disease risk. <i>Ecology Letters</i> , 2012, 15, 235-242.	3.0	224
6	PESTICIDES AND AMPHIBIANS: THE IMPORTANCE OF COMMUNITY CONTEXT. , 2005, 15, 1125-1134.		159
7	The impact of larval predators and competitors on the morphology and fitness of juvenile treefrogs. <i>Oecologia</i> , 2003, 134, 596-604.	0.9	155
8	Parasite diversity and coinfection determine pathogen infection success and host fitness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 9006-9011.	3.3	147
9	Phylogeny, Life History, and Ecology Contribute to Differences in Amphibian Susceptibility to Ranaviruses. <i>EcoHealth</i> , 2011, 8, 301-319.	0.9	134
10	Putting prey back together again: integrating predator-induced behavior, morphology, and life history. <i>Oecologia</i> , 2005, 144, 481-491.	0.9	130
11	Ecophysiology meets conservation: understanding the role of disease in amphibian population declines. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 1688-1707.	1.8	127
12	Host and parasite diversity jointly control disease risk in complex communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 16916-16921.	3.3	124
13	HOW FLEXIBLE IS PHENOTYPIC PLASTICITY? DEVELOPMENTAL WINDOWS FOR TRAIT INDUCTION AND REVERSAL. <i>Ecology</i> , 2007, 88, 693-705.	1.5	114
14	Interactive effects of predators and a pesticide on aquatic communities. <i>Oikos</i> , 2008, 117, 1647-1658.	1.2	102
15	Anuran susceptibilities to ranaviruses: role of species identity, exposure route, and a novel virus isolate. <i>Diseases of Aquatic Organisms</i> , 2010, 89, 97-107.	0.5	95
16	Does timing matter? How priority effects influence the outcome of parasite interactions within hosts. <i>Oecologia</i> , 2013, 173, 1471-1480.	0.9	90
17	Development and Disease: How Susceptibility to an Emerging Pathogen Changes through Anuran Development. <i>PLoS ONE</i> , 2011, 6, e22307.	1.1	86
18	Parasitism in a community context: trait-mediated interactions with competition and predation. <i>Ecology</i> , 2010, 91, 1900-1907.	1.5	83

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19	Urbanization and wetland communities: applying metacommunity theory to understand the local and landscape effects. <i>Journal of Applied Ecology</i> , 2013, 50, 34-42.	1.9	80
20	Effects of clothianidin on aquatic communities: Evaluating the impacts of lethal and sublethal exposure to neonicotinoids. <i>PLoS ONE</i> , 2017, 12, e0174171.	1.1	71
21	Survival trade-offs associated with inducible defences in snails: the roles of multiple predators and developmental plasticity. <i>Functional Ecology</i> , 2009, 23, 1179-1188.	1.7	69
22	The contribution of phenotypic plasticity to the evolution of insecticide tolerance in amphibian populations. <i>Evolutionary Applications</i> , 2015, 8, 586-596.	1.5	63
23	Ranavirus Ecology and Evolution: From Epidemiology to Extinction. , 2015, , 71-104.		63
24	Environmental gradients and the structure of freshwater snail communities. <i>Ecography</i> , 2011, 34, 1049-1058.	2.1	60
25	Heterogeneous hosts: how variation in host size, behaviour and immunity affects parasite aggregation. <i>Journal of Animal Ecology</i> , 2014, 83, 1103-1112.	1.3	57
26	Widespread Occurrence of Ranavirus in Pond-Breeding Amphibian Populations. <i>EcoHealth</i> , 2012, 9, 36-48.	0.9	56
27	The rules of engagement: how to defend against combinations of predators. <i>Oecologia</i> , 2007, 154, 551-560.	0.9	53
28	Species diversity reduces parasite infection through cross-generational effects on host abundance. <i>Ecology</i> , 2012, 93, 56-64.	1.5	52
29	The benefits of coinfection: trematodes alter disease outcomes associated with virus infection. <i>Journal of Animal Ecology</i> , 2017, 86, 921-931.	1.3	51
30	Reciprocal effects of pesticides and pathogens on amphibian hosts: The importance of exposure order and timing. <i>Environmental Pollution</i> , 2017, 221, 359-366.	3.7	50
31	Consistent effects of pesticides on community structure and ecosystem function in freshwater systems. <i>Nature Communications</i> , 2020, 11, 6333.	5.8	49
32	Pesticide Regulation amid the Influence of Industry. <i>BioScience</i> , 2014, 64, 917-922.	2.2	47
33	Reliability of non-lethal surveillance methods for detecting ranavirus infection. <i>Diseases of Aquatic Organisms</i> , 2012, 99, 1-6.	0.5	46
34	Acute and chronic effects of perfluoroalkyl substance mixtures on larval American bullfrogs ( <i>Rana</i> ) Tj ETQq0 0 0 rgBT, /Overlock 10 Tf 50	4.2	44
35	Widespread Co-occurrence of Virulent Pathogens Within California Amphibian Communities. <i>EcoHealth</i> , 2012, 9, 288-292.	0.9	43
36	What can aquatic gastropods tell us about phenotypic plasticity? A review and meta-analysis. <i>Heredity</i> , 2015, 115, 312-321.	1.2	43

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37	Using multi-response models to investigate pathogen coinfections across scales: Insights from emerging diseases of amphibians. <i>Methods in Ecology and Evolution</i> , 2018, 9, 1109-1120.	2.2	42
38	Temporal environmental variation and phenotypic plasticity: a mechanism underlying priority effects. <i>Oikos</i> , 2008, 117, 23-32.	1.2	41
39	Evaluating the role of regional and local processes in structuring a larval trematode metacommunity of <i>Helisoma trivolvis</i> . <i>Ecography</i> , 2013, 36, 854-863.	2.1	41
40	Cutaneous Microbial Community Variation across Populations of Eastern Hellbenders ( <i>Cryptobranchus alleganiensis alleganiensis</i> ). <i>Frontiers in Microbiology</i> , 2017, 8, 1379.	1.5	39
41	Effects of Emerging Infectious Diseases on Amphibians: A Review of Experimental Studies. <i>Diversity</i> , 2018, 10, 81.	0.7	39
42	Uptake and Depuration of Four Per/Polyfluoroalkyl Substances (PFASS) in Northern Leopard Frog <i>Rana pipiens</i> Tadpoles. <i>Environmental Science and Technology Letters</i> , 2017, 4, 399-403.	3.9	36
43	Evolved pesticide tolerance influences susceptibility to parasites in amphibians. <i>Evolutionary Applications</i> , 2017, 10, 802-812.	1.5	35
44	Effects of pesticides on exposure and susceptibility to parasites can be generalised to pesticide class and type in aquatic communities. <i>Ecology Letters</i> , 2019, 22, 962-972.	3.0	32
45	Evolved pesticide tolerance in amphibians: Predicting mechanisms based on pesticide novelty and mode of action. <i>Environmental Pollution</i> , 2015, 206, 56-63.	3.7	31
46	Larval amphibians rapidly bioaccumulate poly- and perfluoroalkyl substances. <i>Ecotoxicology and Environmental Safety</i> , 2019, 178, 137-145.	2.9	31
47	The long-term impacts of predators on prey: inducible defenses, population dynamics, and indirect effects. <i>Oikos</i> , 2012, 121, 1219-1230.	1.2	29
48	Mosquitoes as a Potential Vector of Ranavirus Transmission in Terrestrial Turtles. <i>EcoHealth</i> , 2015, 12, 334-338.	0.9	28
49	Population-specific toxicity of six insecticides to the trematode <i>Echinoparyphium sp.</i> . <i>Parasitology</i> , 2016, 143, 542-550.	0.7	28
50	Single and mixture per- and polyfluoroalkyl substances accumulate in developing Northern leopard frog brains and produce complex neurotransmission alterations. <i>Neurotoxicology and Teratology</i> , 2020, 81, 106907.	1.2	27
51	Natural stressors and disease risk: does the threat of predation increase amphibian susceptibility to ranavirus?. <i>Canadian Journal of Zoology</i> , 2012, 90, 893-902.	0.4	26
52	Of poisons and parasites—the defensive role of tetrodotoxin against infections in newts. <i>Journal of Animal Ecology</i> , 2018, 87, 1192-1204.	1.3	24
53	Sublethal Effects of Dermal Exposure to Poly- and Perfluoroalkyl Substances on Postmetamorphic Amphibians. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 717-726.	2.2	24
54	Digit reduction, body size, and paedomorphosis in salamanders. <i>Evolution &amp; Development</i> , 2008, 10, 449-463.	1.1	23

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55	Behavioural fever reduces ranaviral infection in toads. <i>Functional Ecology</i> , 2019, 33, 2172-2179.	1.7	22
56	Natural enemy ecology: comparing the effects of predation risk, infection risk and disease on host behaviour. <i>Functional Ecology</i> , 2014, 28, 1472-1481.	1.7	20
57	Chronic Perfluoroalkyl Substance Exposure Under Environmentally Relevant Conditions Delays Development in Northern Leopard Frog ( <i>Rana pipiens</i> ) Larvae. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 711-716.	2.2	20
58	Behavioural influences on disease risk: implications for conservation and management. <i>Animal Behaviour</i> , 2016, 120, 263-271.	0.8	19
59	Predation and disease: understanding the effects of predators at several trophic levels on pathogen transmission. <i>Freshwater Biology</i> , 2014, 59, 1064-1075.	1.2	18
60	Perfluoroalkyl Substances Increase Susceptibility of Northern Leopard Frog Tadpoles to Trematode Infection. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 689-694.	2.2	17
61	Generalist versus specialist strategies of plasticity: snail responses to predators with different foraging modes. <i>Freshwater Biology</i> , 2014, 59, 1101-1112.	1.2	16
62	Phylogenetic patterns of trait and trait plasticity evolution: Insights from amphibian embryos. <i>Evolution; International Journal of Organic Evolution</i> , 2018, 72, 663-678.	1.1	16
63	Comparative Toxicity of Aquatic Perfluoroalkyl and Polyfluoroalkyl Substance Exposure in Three Species of Amphibians. <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 1407-1415.	2.2	16
64	The influence of landscape and environmental factors on ranavirus epidemiology in a California amphibian assemblage. <i>Freshwater Biology</i> , 2018, 63, 639-651.	1.2	15
65	Trends in Ranavirus Prevalence Among Plethodontid Salamanders in the Great Smoky Mountains National Park. <i>EcoHealth</i> , 2015, 12, 320-329.	0.9	14
66	Immediate and lag effects of pesticide exposure on parasite resistance in larval amphibians. <i>Parasitology</i> , 2017, 144, 817-822.	0.7	14
67	Dietary exposure and accumulation of per- and polyfluoroalkyl substances alters growth and reduces body condition of post-metamorphic salamanders. <i>Science of the Total Environment</i> , 2021, 765, 142730.	3.9	14
68	Prey responses to fine-scale variation in predation risk from combined predators. <i>Oikos</i> , 2016, 125, 254-261.	1.2	13
69	A Severe Ranavirus Outbreak in Captive, Wild-Caught Box Turtles. <i>EcoHealth</i> , 2017, 14, 810-815.	0.9	12
70	An assessment of the potential impacts of climate change on freshwater habitats and biota of Indiana, USA. <i>Climatic Change</i> , 2020, 163, 1897-1916.	1.7	12
71	Healthy but smaller herds: Predators reduce pathogen transmission in an amphibian assemblage. <i>Journal of Animal Ecology</i> , 2019, 88, 1613-1624.	1.3	11
72	Conservation decisions under pressure: Lessons from an exercise in rapid response to wildlife disease. <i>Conservation Science and Practice</i> , 2020, 2, e141.	0.9	11

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73	Dynamic spatio-temporal patterns of metapopulation occupancy in patchy habitats. <i>Royal Society Open Science</i> , 2021, 8, 201309.	1.1	11
74	Timing and order of exposure to two echinostome species affect patterns of infection in larval amphibians. <i>Parasitology</i> , 2020, 147, 1515-1523.	0.7	10
75	Acute Toxicity of Eight Aqueous Film-Forming Foams to 14 Aquatic Species. <i>Environmental Science &amp; Technology</i> , 2022, 56, 6078-6090.	4.6	10
76	Pesticides alter ecosystem respiration via phytoplankton abundance and community structure: Effects on the carbon cycle?. <i>Global Change Biology</i> , 2022, 28, 1091-1102.	4.2	9
77	Persistence of amphibian metapopulation occupancy in dynamic wetlandscapes. <i>Landscape Ecology</i> , 2022, 37, 695-711.	1.9	9
78	Relative acute toxicity of three perâ€and polyfluoroalkyl substances on nine species of larval amphibians. <i>Integrated Environmental Assessment and Management</i> , 2021, 17, 684-690.	1.6	8
79	Co-exposure to multiple ranavirus types enhances viral infectivity and replication in a larval amphibian system. <i>Diseases of Aquatic Organisms</i> , 2018, 132, 23-35.	0.5	8
80	Parasite-induced vulnerability to predation in larval anurans. <i>Diseases of Aquatic Organisms</i> , 2019, 135, 241-250.	0.5	7
81	Temperature affects the toxicity of pesticides to cercariae of the trematode <i>Echinostoma trivolvis</i> . <i>Aquatic Toxicology</i> , 2022, 245, 106102.	1.9	7
82	Population-level variation in neonicotinoid tolerance in nymphs of the Heptageniidae. <i>Environmental Pollution</i> , 2020, 265, 114803.	3.7	6
83	Local adaptation of the MHC class III <sup>2</sup> gene in populations of wood frogs ( <i>Lithobates sylvaticus</i> ) correlates with proximity to agriculture. <i>Infection, Genetics and Evolution</i> , 2019, 73, 197-204.	1.0	3
84	Pesticide tolerance induced by a generalized stress response in wood frogs ( <i>Rana sylvatica</i> ). <i>Ecotoxicology</i> , 2020, 29, 1476-1485.	1.1	3
85	Population-level variation in infection outcomes not influenced by pesticide exposure in larval wood frogs ( <i>Rana sylvatica</i> ). <i>Freshwater Biology</i> , 2021, 66, 1169-1181.	1.2	3
86	Experimental Exposure of <i>Helisoma trivolvis</i> and <i>Biomphalaria glabrata</i> (Gastropoda) to <i>Ribeiroia ondatrae</i> (Trematoda). <i>Journal of Parasitology</i> , 2011, 97, 1055-1061.	0.3	2
87	Predator- and competitor-induced responses in amphibian populations that evolved different levels of pesticide tolerance. <i>Ecological Applications</i> , 2021, 31, e02305.	1.8	1
88	Exposure to clothianidin and predators increases mortality for heptageniidae. <i>Aquatic Toxicology</i> , 2022, 246, 106146.	1.9	1
89	Interactive effects of predators and a pesticide on aquatic communities. <i>Oikos</i> , 2008, , .	1.2	0