

# David C Heins

## List of Publications by Year in descending order

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64  
papers

1,200  
citations

361045

20  
h-index

433756

31  
g-index

66  
all docs

66  
docs citations

66  
times ranked

883  
citing authors

#	ARTICLE	IF	CITATIONS
1	Morphological responses of a stream fish to water impoundment. <i>Biology Letters</i> , 2010, 6, 803-806.	1.0	184
2	REDUCTION OF EGG SIZE IN NATURAL POPULATIONS OF THREESPINE STICKLEBACK INFECTED WITH A CESTODE MACROPARASITE. <i>Journal of Parasitology</i> , 2003, 89, 1-6.	0.3	62
3	Predicting future from past: The genomic basis of recurrent and rapid stickleback evolution. <i>Science Advances</i> , 2021, 7, .	4.7	62
4	Body condition and reproductive capacity of three-spined stickleback infected with the cestode <i>Schistocephalus solidus</i> . <i>Journal of Fish Biology</i> , 2004, 64, 1568-1576.	0.7	55
5	Virulence of the cestode <i>Schistocephalus solidus</i> and reproduction in infected threespine stickleback, <i>Gasterosteus aculeatus</i> . <i>Canadian Journal of Zoology</i> , 1999, 77, 1967-1974.	0.4	52
6	THE "CROWDING EFFECT" IN THE CESTODE <i>SCHISTOCEPHALUS SOLIDUS</i> : DENSITY-DEPENDENT EFFECTS ON PLEROCERCOID SIZE AND INFECTIVITY. <i>Journal of Parasitology</i> , 2002, 88, 302-307.	0.3	49
7	Decreased reproductive investment of female threespine stickleback <i>Gasterosteus aculeatus</i> infected with the cestode <i>Schistocephalus solidus</i> : parasite adaptation, host adaptation, or side effect?. <i>Oikos</i> , 2006, 114, 303-310.	1.2	46
8	Evolutionary significance of fecundity reduction in threespine stickleback infected by the diphyllbothriidean cestode <i>Schistocephalus solidus</i> . <i>Biological Journal of the Linnean Society</i> , 0, 100, 835-846.	0.7	39
9	Yolk Loading in Oocytes of Darters and Its Consequences for Life-History Study. <i>Copeia</i> , 1992, 1992, 404.	1.4	36
10	Predictors of body shape among populations of a stream fish ( <i>Cyprinella venusta</i> )	0.7	36
11	Distinct Lineages of <i>Schistocephalus</i> Parasites in Threespine and Ninespine Stickleback Hosts Revealed by DNA Sequence Analysis. <i>PLoS ONE</i> , 2011, 6, e22505.	1.1	34
12	Host mortality and variability in epizootics of <i>Schistocephalus solidus</i> infecting the threespine stickleback, <i>Gasterosteus aculeatus</i> . <i>Parasitology</i> , 2010, 137, 1681-1686.	0.7	32
13	Egg Sizes in Fishes: Do Mature Oocytes Accurately Demonstrate Size Statistics of Ripe Ova?. <i>Copeia</i> , 1988, 1988, 238.	1.4	30
14	Landscape Genetics of <i>Schistocephalus solidus</i> Parasites in Threespine Stickleback ( <i>Gasterosteus</i> )	1.1	29
15	Effect of the cestode macroparasite <i>Schistocephalus pungitii</i> on the reproductive success of ninespine stickleback, <i>Pungitius pungitius</i> . <i>Canadian Journal of Zoology</i> , 2004, 82, 1731-1737.	0.4	28
16	The reproductive biology, age and growth of the North American cyprinid, <i>Notropis longirostris</i> (Hay). <i>Journal of Fish Biology</i> , 1976, 8, 365-379.	0.7	24
17	Spawning behaviour and sexual dimorphism in the North American cyprinid fish <i>Notropis leedsi</i> , the bannerfin shiner. <i>Journal of Natural History</i> , 1985, 19, 1155-1163.	0.2	24
18	Variation in female life-history traits among Alaskan populations of the threespine stickleback, <i>Gasterosteus aculeatus</i> L. (Pisces: Gasterosteidae). <i>Biological Journal of the Linnean Society</i> , 1998, 63, 141-159.	0.7	23

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19	Fecundity compensation in the three-spined stickleback <i>Gasterosteus aculeatus</i> infected by the diphylobothriidean cestode <i>Schistocephalus solidus</i> . <i>Biological Journal of the Linnean Society</i> , 2012, 106, 807-819.	0.7	23
20	Fecundity compensation and fecundity reduction among populations of the three-spined stickleback infected by <i>Schistocephalus solidus</i> in Alaska. <i>Parasitology</i> , 2014, 141, 1088-1096.	0.7	22
21	Processes Influencing the Duration and Decline of Epizootics in <i>Schistocephalus solidus</i> . <i>Journal of Parasitology</i> , 2011, 97, 371-376.	0.3	20
22	Virulence of the cestode <i>Schistocephalus solidus</i> and reproduction in infected threespine stickleback, <i>Gasterosteus aculeatus</i> . <i>Canadian Journal of Zoology</i> , 1999, 77, 1967-1974.	0.4	20
23	Reproductive ecology of the nine-spined stickleback from south-central Alaska. <i>Journal of Fish Biology</i> , 2003, 63, 1131-1143.	0.7	19
24	Ontogeny and Allometry of Body Shape in the Blacktail Shiner, <i>Cyprinella venusta</i> . <i>Copeia</i> , 2000, 2000, 270-275.	1.4	17
25	The Ecological Life History of the Cherryfin Shiner, <i>Notropis roseipinnis</i> . <i>Transactions of the American Fisheries Society</i> , 1975, 104, 516-523.	0.6	15
26	Clutch and egg size variation in the banded darter, <i>Etheostoma zonale</i> , from three sites in Arkansas. <i>Environmental Biology of Fishes</i> , 1996, 46, 409-413.	0.4	15
27	Variation in Reproductive Investment among Populations of the Longnose Shiner, <i>Notropis longirostris</i> , from Contrasting Environments. <i>Copeia</i> , 1991, 1991, 736.	1.4	14
28	Do Heavy Burdens of <i>Schistocephalus solidus</i> in Juvenile Threespine Stickleback Result in Disaster for the Parasite?. <i>Journal of Parasitology</i> , 2011, 97, 775-778.	0.3	13
29	Castration of Female Ninespine Stickleback by the Pseudophyllidean Cestode <i>Schistocephalus pungitii</i> : Evolutionary Significance and Underlying Mechanism. <i>Journal of Parasitology</i> , 2010, 96, 206-208.	0.3	11
30	Effect of Drying Temperature on Weight Estimates for Oocytes and Eggs in the Darter <i>Etheostoma lynceum</i> . <i>Copeia</i> , 1994, 1994, 821.	1.4	10
31	Reproductive Season, Clutch Size, and Egg Size of the Rainbow Darter, <i>Etheostoma caeruleum</i> , from the Homochitto River, Mississippi, with an Evaluation of Data from the Literature. <i>Copeia</i> , 1996, 1996, 1005.	1.4	10
32	Reproductive Traits of the Blacktail Shiner, <i>Notropis venustus</i> (Girard), in Southeastern Mississippi. <i>Southwestern Naturalist</i> , 1986, 31, 185.	0.1	9
33	Field Evidence for Multiple Clutches in the Longnose Shiner. <i>Copeia</i> , 1990, 1990, 579.	1.4	9
34	Microgeographical variation in ovum size of the blacktail shiner, <i>Cyprinella venusta</i> Girard, in relation to streamflow. <i>Ecology of Freshwater Fish</i> , 2002, 11, 11-19.	0.7	9
35	Clutch characteristics of two populations of nine-spined stickleback from south-central Alaska. <i>Journal of Fish Biology</i> , 2005, 67, 873-878.	0.7	9
36	Mutual dilution of infection by an introduced parasite in native and invasive stream fishes across Hawaii. <i>Parasitology</i> , 2016, 143, 1605-1614.	0.7	9

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37	Variation in Clutch Size and Ovum Size of the Snubnose Darter, <i>Etheostoma simoterum</i> (Cope), from Two Populations in Tennessee. <i>American Midland Naturalist</i> , 2001, 145, 74-79.	0.2	8
38	Interannual Variation in Clutch and Egg Size of the Banded Darter, <i>Etheostoma zonale</i> . <i>Copeia</i> , 2000, 2000, 230-233.	1.4	7
39	Consistency of host responses to parasitic infection in the three-spined stickleback fish infected by the diphyllbothriidean cestode <i>Schistocephalus solidus</i> . <i>Biological Journal of the Linnean Society</i> , 2014, 113, 958-968.	0.7	7
40	Geographic and host-mediated population genetic structure in a cestode parasite of the three-spined stickleback. <i>Biological Journal of the Linnean Society</i> , 2016, 119, 381-396.	0.7	7
41	Streamflow environment predicts divergent life history phenotypes among populations of the Blacktail Shiner <i>Cyprinella venusta</i> : Temporal stability of a large-scale pattern. <i>Ecology of Freshwater Fish</i> , 2018, 27, 453-459.	0.7	7
42	The Effect of Phylogeny on Interspecific Body Shape Variation in Darters (Pisces: Percidae). <i>Systematic Biology</i> , 2003, 52, 488-500.	2.7	7
43	Variation in Reproductive Life History Traits between Two Populations of Blackbanded Darters ( <i>Percina nigrofasciata</i> ). <i>Copeia</i> , 2012, 2012, 714-721.	1.4	6
44	Estimating effective population size for a cestode parasite infecting three-spined sticklebacks. <i>Parasitology</i> , 2019, 146, 883-896.	0.7	6
45	Freshwater Colonization, Adaptation, and Genomic Divergence in Threespine Stickleback. <i>Integrative and Comparative Biology</i> , 2022, 62, 388-405.	0.9	6
46	The Rise and Fall of an Epizootic of the Diphyllbothriidean Cestode <i>Schistocephalus pungitii</i> Infecting the Ninespine Stickleback. <i>Journal of Parasitology</i> , 2012, 98, 1-5.	0.3	5
47	Handbook of Freshwater Fishery Biology: Life History Data on Ichthyopercid and Percid Fishes of the United States and Canada. Kenneth D. Carlander. <i>Quarterly Review of Biology</i> , 1998, 73, 524-524.	0.0	5
48	Female Reproductive Life-history Traits of the Rock Darter, <i>Etheostoma rupestre</i> , from Flat Creek, Alabama. <i>American Midland Naturalist</i> , 2003, 150, 268-274.	0.2	4
49	Cross-continental experimental infections reveal distinct defence mechanisms in populations of the three-spined stickleback <i>Gasterosteus aculeatus</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211758.	1.2	4
50	The Reproductive Season of the Weed Shiner, <i>Notropis texanus</i> (Pisces: Cyprinidae), in Southeastern Mississippi. <i>Southwestern Naturalist</i> , 1984, 29, 133.	0.1	3
51	A research programme in fish ecology leads to a supermodel: a tribute to Professor Robert Wootton. <i>Ecology of Freshwater Fish</i> , 2012, 21, 323-324.	0.7	3
52	The cestode parasite <i>Schistocephalus pungitii</i> : castrator or nutrient thief of ninespine stickleback fish?. <i>Parasitology</i> , 2017, 144, 834-840.	0.7	3
53	Chronosequence of morphological change in a stream fish following impoundment. <i>Freshwater Biology</i> , 2021, 66, 1721-1735.	1.2	3
54	Inter-Annual Variation of Exogenous Cues Influences Reproductive Phenology of the Longnose Shiner, <i>Notropis longirostris</i> . <i>Southeastern Naturalist</i> , 2020, 19, 553.	0.2	3

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55	Annual ovarian cycle and other reproductive traits of female Red River Pupfish ( <i>Cyprinodon</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 622	0.7	2
56	Are solo infections of the diphylobothriidean cestode <i>Schistocephalus solidus</i> more virulent than multiple infections?. <i>Parasitology</i> , 2019, 146, 97-104.	0.7	2
57	The reproductive biology of small fishes and the clutch concept: Combining macroscopic and histological approaches. <i>Aquaculture, Fish and Fisheries</i> , 2022, 2, 253-264.	0.5	2
58	Life History Variation Within and Among Populations of the Ninespine Stickleback ( <i>Pungitius</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	0.2	1
59	Freshwater Fishes of North America. Volume 1: Petromyzontidae to Catostomidae. Edited by Melvin L. Warren Jr., and Brooks M. Burr; illustrated by, Joseph R. Tomelleri. Baltimore (Maryland): Johns Hopkins University Press. \$100.00. xix + 644 p.; ill.; index of scientific names and general index. ISBN: 978-1-4214-1201-6 (hc); 978-1-4214-1202-3 (eb). 2014.. <i>Quarterly Review of Biology</i> , 2015, 90, 234-235.	0.0	0
60	Freshwater Fishes of North America. Volume 2: Characidae to Poeciliidae. Edited by Melvin L. Warren Jr and Brooks M. Burr, with Anthony A. Echelle, Bernard R. Kuhajda, and Stephen T. Ross; illustrated by Joseph R. Tomelleri. Baltimore (Maryland): Johns Hopkins University Press. \$150.00. xxi + 911 p.; ill.; index of scientific names and general index. ISBN: 978-1-4214-1201-6 (hc); 978-1-4214-1202-3 (eb). 2020.. <i>Quarterly Review of Biology</i> , 2021, 96, 42-43.	0.0	0
61	Biology and Ecology of Fishes. James S. Diana. <i>Quarterly Review of Biology</i> , 1996, 71, 422-423.	0.0	0
62	Conservation of Endangered Freshwater Fish in Europe. <i>Advances in Life Sciences</i> . A. Kirchhofer, D. Hefti. <i>Quarterly Review of Biology</i> , 1997, 72, 217-217.	0.0	0
63	Reproductive Season, Fecundity, and Ovum Size of the Skygazer Shiner, <i>Notropis uranoscopus</i> , in Alabama. <i>American Midland Naturalist</i> , 2019, 182, 260.	0.2	0
64	Reproductive Seasonality and Life-History Traits of the Coastal Darter, <i>Etheostoma colorosum</i> (Pisces: Percidae), from the Escambia River Drainage of Florida. <i>Southeastern Naturalist</i> , 2020, 19, 339.	0.2	0