

# Heiko L Schoenfuss

## 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.

82  
papers

2,724  
citations

28  
h-index

50  
g-index

84  
ext. papers

2,990  
ext. citations

4.6  
avg, IF

4.84  
L-index

#	Paper	IF	Citations
82	Assessing Occurrence and Biological Consequences of Contaminants of Emerging Concern on Oceanic Islands. <i>Water (Switzerland)</i> , <b>2022</b> , 14, 275	3	1
81	Contaminants of Emerging Concern in the Lower Volta River, Ghana, West Africa: The Agriculture, Aquaculture, and Urban Development Nexus. <i>Environmental Toxicology and Chemistry</i> , <b>2021</b> ,	3.8	3
80	Bendy to the bone: Links between vertebral morphology and waterfall climbing in amphidromous gobioid fishes. <i>Journal of Anatomy</i> , <b>2021</b> , 239, 747-754	2.9	0
79	Application of an Effects-Based Monitoring Strategy to Assess the Impact of Contaminants on Fish Health in an Urbanized Watershed. <i>Environmental Toxicology and Chemistry</i> , <b>2021</b> , 40, 402-412	3.8	2
78	Functional correlations of axial muscle fiber type proportions in the waterfall-climbing Hawaiian stream fish <i>Sicyopterus stimpsoni</i> . <i>Journal of Anatomy</i> , <b>2020</b> , 236, 1160-1166	2.9	3
77	Temperature-Dependent Biomarkers of Estrogenic Exposure in a Piscivore Freshwater Fish. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2020</b> , 79, 156-166	3.2	0
76	Biological consequences of agricultural and urban land-use along the Maumee River, a major tributary to the Laurentian Great Lakes watershed. <i>Journal of Great Lakes Research</i> , <b>2020</b> , 46, 1001-1014 <sup>3</sup>		4
75	Land Use Contributions to Adverse Biological Effects in a Complex Agricultural and Urban Watershed: A Case Study of the Maumee River. <i>Environmental Toxicology and Chemistry</i> , <b>2019</b> , 38, 1035-1051	3.8	14
74	Correlating effluent concentrations and bench-scale experiments to assess the transformation of endocrine active compounds in wastewater by UV or chlorination disinfection. <i>Chemosphere</i> , <b>2019</b> , 226, 565-575	8.4	11
73	Functional Diversity of Evolutionary Novelties: Insights from Waterfall-Climbing Kinematics and Performance of Juvenile Gobiid Fishes. <i>Integrative Organismal Biology</i> , <b>2019</b> , 1, obz029	2.3	6
72	Contaminants of emerging concern presence and adverse effects in fish: A case study in the Laurentian Great Lakes. <i>Environmental Pollution</i> , <b>2018</b> , 236, 718-733	9.3	27
71	Temperature modulates estrone degradation and biological effects of exposure in fathead minnows. <i>Science of the Total Environment</i> , <b>2018</b> , 621, 1591-1600	10.2	12
70	Effects of urban stormwater and iron-enhanced sand filtration on <i>Daphnia magna</i> and <i>Pimephales promelas</i> . <i>Environmental Toxicology and Chemistry</i> , <b>2018</b> , 37, 2645-2659	3.8	6
69	Contaminants of emerging concern in urban stormwater: Spatiotemporal patterns and removal by iron-enhanced sand filters (IESFs). <i>Water Research</i> , <b>2018</b> , 145, 332-345	12.5	58
68	CANT FIND THE RHYTHM. <i>Integrated Environmental Assessment and Management</i> , <b>2018</b> , 14, 660-663	2.5	
67	Contrasting post-settlement selection results in many-to-one mapping of high performance phenotypes in the Hawaiian waterfall-climbing goby <i>Sicyopterus stimpsoni</i> . <i>Evolutionary Ecology</i> , <b>2017</b> , 31, 489-516	1.8	11
66	Uptake and Disposition of Select Pharmaceuticals by Bluegill Exposed at Constant Concentrations in a Flow-Through Aquatic Exposure System. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 4434-4444	10.3	26

65	Prior knowledge-based approach for associating contaminants with biological effects: A case study in the St. Croix River basin, MN, WI, USA. <i>Environmental Pollution</i> , <b>2017</b> , 221, 427-436	9.3	12
64	Social hierarchy modulates responses of fish exposed to contaminants of emerging concern. <i>PLoS ONE</i> , <b>2017</b> , 12, e0186807	3.7	2
63	Thermal modulation of anthropogenic estrogen exposure on a freshwater fish at two life stages. <i>Hormones and Behavior</i> , <b>2017</b> , 94, 21-32	3.7	13
62	Contaminants of emerging concern in tributaries to the Laurentian Great Lakes: II. Biological consequences of exposure. <i>PLoS ONE</i> , <b>2017</b> , 12, e0184725	3.7	21
61	Complex mixtures, complex responses: Assessing pharmaceutical mixtures using field and laboratory approaches. <i>Environmental Toxicology and Chemistry</i> , <b>2016</b> , 35, 953-65	3.8	40
60	Flowing water affects fish fast-starts: escape performance of the Hawaiian stream goby, <i>Sicyopterus stimpsoni</i> . <i>Journal of Experimental Biology</i> , <b>2016</b> , 219, 3100-3105	3	9
59	Local adaptation despite high gene flow in the waterfall-climbing Hawaiian goby, <i>Sicyopterus stimpsoni</i> . <i>Molecular Ecology</i> , <b>2015</b> , 24, 545-63	5.7	34
58	In response: embracing toxic diversity: a mixed academic/government perspective. <i>Environmental Toxicology and Chemistry</i> , <b>2015</b> , 34, 702-4	3.8	
57	Sorption of isoflavones to river sediment and model sorbents and outcomes for larval fish exposed to contaminated sediment. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 282, 26-33	12.8	2
56	Complex watersheds, collaborative teams: Assessing pollutant presence and effects in the San Francisco Delta. <i>Integrated Environmental Assessment and Management</i> , <b>2015</b> , 11, 674-88	2.5	6
55	Do laboratory species protect endangered species? Interspecies variation in responses to 17 $\beta$ -estradiol, a model endocrine active compound. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2015</b> , 68, 204-15	3.2	7
54	Spatial and Temporal Patterns of Endocrine Active Chemicals in Small Streams Indicate Differential Exposure to Aquatic Organisms. <i>Journal of the American Water Resources Association</i> , <b>2014</b> , 50, 401-419	2.1	6
53	Transcriptomic effects-based monitoring for endocrine active chemicals: assessing relative contribution of treated wastewater to downstream pollution. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 2385-94	10.3	24
52	Identifying non-point sources of endocrine active compounds and their biological impacts in freshwater lakes. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2014</b> , 67, 374-88	3.2	9
51	Technical note: The equivalency of sodium results in cheese digested by either dry ashing or microwave-accelerated digestion. <i>Journal of Dairy Science</i> , <b>2014</b> , 97, 710-4	4	3
50	Feeding performance of the Hawaiian sleeper, <i>Eleotris sandwicensis</i> (Gobioidae: Eleotridae): correlations between predatory functional modulation and selection pressures on prey. <i>Biological Journal of the Linnean Society</i> , <b>2014</b> , 111, 359-374	1.9	14
49	On-Site Exposure to Treated Wastewater Effluent Has Subtle Effects on Male Fathead Minnows and Pronounced Effects on Carp. <i>Journal of the American Water Resources Association</i> , <b>2014</b> , 50, 358-375	2.1	12
48	Fathead Minnow and Bluegill Sunfish Life-Stage Responses to 17 $\beta$ -Estradiol Exposure in Outdoor Mesocosms. <i>Journal of the American Water Resources Association</i> , <b>2014</b> , 50, 376-387	2.1	13

47	Phytoestrogens in the environment, II: microbiological degradation of phytoestrogens and the response of fathead minnows to degradate exposure. <i>Environmental Toxicology and Chemistry</i> , <b>2014</b> , 33, 560-6	3.8	5
46	Phytoestrogens in the environment, I: occurrence and exposure effects on fathead minnows. <i>Environmental Toxicology and Chemistry</i> , <b>2014</b> , 33, 553-9	3.8	32
45	The anatomy of the larynx of the bowhead whale, <i>Balaena mysticetus</i> , and its sound-producing functions. <i>Anatomical Record</i> , <b>2014</b> , 297, 1316-30	2.1	12
44	Differences in locomotor behavior correspond to different patterns of morphological selection in two species of waterfall-climbing gobiid fishes. <i>Evolutionary Ecology</i> , <b>2013</b> , 27, 949-969	1.8	15
43	Environmental estrogens in an urban aquatic ecosystem: II. Biological effects. <i>Environment International</i> , <b>2013</b> , 61, 138-49	12.9	45
42	Environmental estrogens in an urban aquatic ecosystem: I. Spatial and temporal occurrence of estrogenic activity in effluent-dominated systems. <i>Environment International</i> , <b>2013</b> , 61, 127-37	12.9	29
41	Musculoskeletal determinants of pelvic sucker function in Hawaiian stream gobiid fishes: interspecific comparisons and allometric scaling. <i>Journal of Morphology</i> , <b>2013</b> , 274, 733-42	1.6	10
40	Sex-specific gonadal and gene expression changes throughout development in fathead minnow. <i>Sexual Development</i> , <b>2013</b> , 7, 303-7	1.6	14
39	Evolutionary novelty versus exaptation: oral kinematics in feeding versus climbing in the waterfall-climbing Hawaiian Goby <i>Sicyopterus stimpsoni</i> . <i>PLoS ONE</i> , <b>2013</b> , 8, e53274	3.7	15
38	Stairway to heaven: evaluating levels of biological organization correlated with the successful ascent of natural waterfalls in the Hawaiian stream goby <i>Sicyopterus stimpsoni</i> . <i>PLoS ONE</i> , <b>2013</b> , 8, e84851	3.7	13
37	Exposure and effects of perfluoroalkyl compounds on tree swallows nesting at Lake Johanna in east central Minnesota, USA. <i>Reproductive Toxicology</i> , <b>2012</b> , 33, 556-562	3.4	46
36	Concentration of organic contaminants in fish and their biological effects in a wastewater-dominated urban stream. <i>Science of the Total Environment</i> , <b>2012</b> , 420, 191-201	10.2	28
35	Finding paradise: cues directing the migration of the waterfall climbing Hawaiian gobioid <i>Sicyopterus stimpsoni</i> . <i>Journal of Fish Biology</i> , <b>2012</b> , 81, 903-20	1.9	11
34	The mini mobile environmental monitoring unit: a novel bio-assessment tool. <i>Journal of Environmental Monitoring</i> , <b>2012</b> , 14, 202-8		11
33	Assessing the effects of historical exposure to endocrine-active compounds on reproductive health and genetic diversity in walleye, a native apex predator, in a large riverine system. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2012</b> , 62, 657-71	3.2	11
32	Effects of triclosan and triclocarban, two ubiquitous environmental contaminants, on anatomy, physiology, and behavior of the fathead minnow ( <i>Pimephales promelas</i> ). <i>Archives of Environmental Contamination and Toxicology</i> , <b>2012</b> , 63, 114-24	3.2	64
31	Performance and scaling of a novel locomotor structure: adhesive capacity of climbing gobiid fishes. <i>Journal of Experimental Biology</i> , <b>2012</b> , 215, 3925-36	3	47
30	Comparing biological effects and potencies of estrone and 17 $\beta$ -estradiol in mature fathead minnows, <i>Pimephales promelas</i> . <i>Aquatic Toxicology</i> , <b>2011</b> , 105, 559-68	5.1	64

29	Demasculinization of male fish by wastewater treatment plant effluent. <i>Aquatic Toxicology</i> , <b>2011</b> , 103, 213-21	5.1	134
28	Selective uptake and biological consequences of environmentally relevant antidepressant pharmaceutical exposures on male fathead minnows. <i>Aquatic Toxicology</i> , <b>2011</b> , 104, 38-47	5.1	177
27	Effects of biologically-active chemical mixtures on fish in a wastewater-impacted urban stream. <i>Science of the Total Environment</i> , <b>2011</b> , 409, 4720-8	10.2	51
26	Jaw muscle fiber type distribution in Hawaiian gobioid stream fishes: histochemical correlations with feeding ecology and behavior. <i>Zoology</i> , <b>2011</b> , 114, 340-7	1.7	8
25	Environmental scientists, biologically active compounds, and sustainability: the vital role for small-scale science. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 39-44	10.3	7
24	Empowering Citizen Scientists: The Strength of Many in Monitoring Biologically Active Environmental Contaminants. <i>BioScience</i> , <b>2011</b> , 61, 626-630	5.7	24
23	Morphological selection and the evaluation of potential tradeoffs between escape from predators and the climbing of waterfalls in the Hawaiian stream goby <i>Sicyopterus stimpsoni</i> . <i>Integrative and Comparative Biology</i> , <b>2010</b> , 50, 1185-99	2.8	53
22	Assessing the effects of exposure timing on biomarker expression using 17beta-estradiol. <i>Aquatic Toxicology</i> , <b>2010</b> , 96, 264-72	5.1	32
21	Comparative biological effects and potency of 17β and 17Eβ estradiol in fathead minnows. <i>Aquatic Toxicology</i> , <b>2010</b> , 100, 1-8	5.1	63
20	Antidepressant pharmaceuticals in two U.S. effluent-impacted streams: occurrence and fate in water and sediment, and selective uptake in fish neural tissue. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 1918-25	10.3	366
19	Anthropogenic tracers, endocrine disrupting chemicals, and endocrine disruption in Minnesota lakes. <i>Science of the Total Environment</i> , <b>2010</b> , 409, 100-11	10.2	68
18	Motor patterns of distal hind limb muscles in walking turtles: Implications for models of limb bone loading. <i>Journal of Morphology</i> , <b>2010</b> , 271, 1527-36	1.6	8
17	Feeding kinematics and performance of Hawaiian stream gobies, <i>Awaous guamensis</i> and <i>Lentipes concolor</i> : linkage of functional morphology and ecology. <i>Journal of Morphology</i> , <b>2009</b> , 270, 344-56	1.6	9
16	Jaw lever analysis of Hawaiian gobioid stream fishes: a simulation study of morphological diversity and functional performance. <i>Journal of Morphology</i> , <b>2009</b> , 270, 976-83	1.6	13
15	Treated wastewater effluent reduces sperm motility along an osmolality gradient. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2009</b> , 56, 397-407	3.2	6
14	Antidepressants at environmentally relevant concentrations affect predator avoidance behavior of larval fathead minnows ( <i>Pimephales promelas</i> ). <i>Environmental Toxicology and Chemistry</i> , <b>2009</b> , 28, 2677-84	3.8	235
13	Effects of water hardness on skeletal development and growth in juvenile fathead minnows. <i>Aquaculture</i> , <b>2009</b> , 286, 226-232	4.4	13
12	Predator avoidance performance of larval fathead minnows ( <i>Pimephales promelas</i> ) following short-term exposure to estrogen mixtures. <i>Aquatic Toxicology</i> , <b>2009</b> , 91, 355-61	5.1	70

11	Impairment of the reproductive potential of male fathead minnows by environmentally relevant exposures to 4-nonylphenol. <i>Aquatic Toxicology</i> , <b>2008</b> , 86, 91-8	5.1	54
10	Perfluorinated compounds in common carp ( <i>Cyprinus carpio</i> ) fillets from the Upper Mississippi River. <i>Environment International</i> , <b>2008</b> , 34, 932-8	12.9	51
9	Morphological selection in an extreme flow environment: body shape and waterfall-climbing success in the Hawaiian stream fish <i>Sicyopterus stimpsoni</i> . <i>Integrative and Comparative Biology</i> , <b>2008</b> , 48, 734-49	2.8	36
8	Muscle fiber type distribution in climbing Hawaiian gobioid fishes: ontogeny and correlations with locomotor performance. <i>Zoology</i> , <b>2008</b> , 111, 114-22	1.7	18
7	Ontogenetic change in novel functions: waterfall climbing in adult Hawaiian gobiid fishes. <i>Journal of Zoology</i> , <b>2007</b> , 273, 200-209	2	33
6	Reproductive responses of male fathead minnows exposed to wastewater treatment plant effluent, effluent treated with XAD8 resin, and an environmentally relevant mixture of alkylphenol compounds. <i>Aquatic Toxicology</i> , <b>2007</b> , 82, 36-46	5.1	85
5	Estrogen-receptor independent effects of two ubiquitous environmental estrogens on <i>Melosira varians</i> Agardh, a common component of the aquatic primary production community. <i>Aquatic Toxicology</i> , <b>2007</b> , 85, 19-27	5.1	9
4	Larval exposure to environmentally relevant mixtures of alkylphenolethoxylates reduces reproductive competence in male fathead minnows. <i>Aquatic Toxicology</i> , <b>2006</b> , 79, 268-77	5.1	46
3	Functional diversity in extreme environments: effects of locomotor style and substrate texture on the waterfall-climbing performance of Hawaiian gobiid fishes. <i>Journal of Zoology</i> , <b>2006</b> , 268, 315-324	2	64
2	The survival of <i>Sicyopterus stimpsoni</i> , an endemic amphidromous Hawaiian gobiid fish, relies on the hydrological cycles of streams: evidence from changes in algal composition of diet through growth stages fish. <i>Aquatic Ecology</i> , <b>2005</b> , 39, 473-484	1.9	24
1	Kinematics of waterfall climbing in Hawaiian freshwater fishes (Gobiidae): vertical propulsion at the aquatic-terrestrial interface. <i>Journal of Zoology</i> , <b>2003</b> , 261, 191-205	2	83