

Julian D Olden

List of Publications by Citations

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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.

261
papers

22,694
citations

70
h-index

147
g-index

272
ext. papers

27,256
ext. citations

4.9
avg, IF

7.45
L-index

#	Paper	IF	Citations
261	The ecological limits of hydrologic alteration (ELOHA): a new framework for developing regional environmental flow standards. <i>Freshwater Biology</i> , 2010 , 55, 147-170	3.1	1035
260	Homogenization of regional river dynamics by dams and global biodiversity implications. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 5732-7	11.5	945
259	Ecological and evolutionary consequences of biotic homogenization. <i>Trends in Ecology and Evolution</i> , 2004 , 19, 18-24	10.9	932
258	Emerging threats and persistent conservation challenges for freshwater biodiversity. <i>Biological Reviews</i> , 2019 , 94, 849-873	13.5	807
257	Redundancy and the choice of hydrologic indices for characterizing streamflow regimes. <i>River Research and Applications</i> , 2003 , 19, 101-121	2.3	733
256	Assessing the effects of climate change on aquatic invasive species. <i>Conservation Biology</i> , 2008 , 22, 521-33		710
255	What controls who is where in freshwater fish communities? the roles of biotic, abiotic, and spatial factors. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2001 , 58, 157-170	2.4	674
254	An accurate comparison of methods for quantifying variable importance in artificial neural networks using simulated data. <i>Ecological Modelling</i> , 2004 , 178, 389-397	3	580
253	Functional trait niches of North American lotic insects: traits-based ecological applications in light of phylogenetic relationships. <i>Journal of the North American Benthological Society</i> , 2006 , 25, 730-755		575
252	Incorporating thermal regimes into environmental flows assessments: modifying dam operations to restore freshwater ecosystem integrity. <i>Freshwater Biology</i> , 2010 , 55, 86-107	3.1	570
251	Global threats from invasive alien species in the twenty-first century and national response capacities. <i>Nature Communications</i> , 2016 , 7, 12485	17.4	513
250	On defining and quantifying biotic homogenization. <i>Global Ecology and Biogeography</i> , 2006 , 15, 113-120	6.1	452
249	Process-based Principles for Restoring River Ecosystems. <i>BioScience</i> , 2010 , 60, 209-222	5.7	450
248	The potential conservation value of non-native species. <i>Conservation Biology</i> , 2011 , 25, 428-37	6	447
247	Machine learning methods without tears: a primer for ecologists. <i>Quarterly Review of Biology</i> , 2008 , 83, 171-93	5.4	439
246	Classification of natural flow regimes in Australia to support environmental flow management. <i>Freshwater Biology</i> , 2010 , 55, 171-193	3.1	366
245	Biotic homogenization: a new research agenda for conservation biogeography. <i>Journal of Biogeography</i> , 2006 , 33, 2027-2039	4.1	364

244	Dam invaders: impoundments facilitate biological invasions into freshwaters. <i>Frontiers in Ecology and the Environment</i> , 2008 , 6, 357-363	5.5	345
243	Toward a mechanistic understanding and prediction of biotic homogenization. <i>American Naturalist</i> , 2003 , 162, 442-60	3.7	337
242	Assessing transferability of ecological models: an underappreciated aspect of statistical validation. <i>Methods in Ecology and Evolution</i> , 2012 , 3, 260-267	7.7	328
241	LIFE-HISTORY STRATEGIES PREDICT FISH INVASIONS AND EXTIRPATIONS IN THE COLORADO RIVER BASIN. <i>Ecological Monographs</i> , 2006 , 76, 25-40	9	322
240	Ecological Impacts of Nonnative Freshwater Fishes. <i>Fisheries</i> , 2011 , 36, 215-230	1.1	320
239	Will extreme climatic events facilitate biological invasions?. <i>Frontiers in Ecology and the Environment</i> , 2012 , 10, 249-257	5.5	286
238	Small fish, big fish, red fish, blue fish: size-biased extinction risk of the world's freshwater and marine fishes. <i>Global Ecology and Biogeography</i> , 2007 , 16, 694-701	6.1	251
237	Conservation biogeography of freshwater fishes: recent progress and future challenges. <i>Diversity and Distributions</i> , 2010 , 16, 496-513	5	246
236	Climate change poised to threaten hydrologic connectivity and endemic fishes in dryland streams. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 13894-9	11.5	211
235	Life history theory predicts fish assemblage response to hydrologic regimes. <i>Ecology</i> , 2012 , 93, 35-45	4.6	210
234	A management framework for preventing the secondary spread of aquatic invasive species. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2008 , 65, 1512-1522	2.4	199
233	Bending the Curve of Global Freshwater Biodiversity Loss: An Emergency Recovery Plan. <i>BioScience</i> , 2020 , 70, 330-342	5.7	196
232	A framework for hydrologic classification with a review of methodologies and applications in ecohydrology. <i>Ecohydrology</i> , 2012 , 5, 503-518	2.5	175
231	Flow variability and the biophysical vitality of river systems. <i>Comptes Rendus - Geoscience</i> , 2008 , 340, 629-643	1.4	171
230	A comparison of statistical approaches for modelling fish species distributions. <i>Freshwater Biology</i> , 2002 , 47, 1976-1995	3.1	171
229	Incorporating positive interactions in aquatic restoration and conservation. <i>Frontiers in Ecology and the Environment</i> , 2007 , 5, 153-160	5.5	163
228	The role of dispersal in river network metacommunities: Patterns, processes, and pathways. <i>Freshwater Biology</i> , 2018 , 63, 141-163	3.1	158
227	Fish assemblages respond to altered flow regimes via ecological filtering of life history strategies. <i>Freshwater Biology</i> , 2013 , 58, 50-62	3.1	156

226	A global meta-analysis of the ecological impacts of nonnative crayfish. <i>Freshwater Science</i> , 2013 , 32, 1367-1382	149
225	Global proliferation of small hydropower plants: science and policy. <i>Frontiers in Ecology and the Environment</i> , 2018 , 16, 91-100	5.5 148
224	Placing global stream flow variability in geographic and geomorphic contexts. <i>River Research and Applications</i> , 2006 , 22, 149-166	2.3 146
223	Native invaders: challenges for science, management, policy, and society. <i>Frontiers in Ecology and the Environment</i> , 2012 , 10, 373-381	5.5 145
222	Global change, global trade, and the next wave of plant invasions. <i>Frontiers in Ecology and the Environment</i> , 2012 , 10, 20-28	5.5 145
221	Are large-scale flow experiments informing the science and management of freshwater ecosystems?. <i>Frontiers in Ecology and the Environment</i> , 2014 , 12, 176-185	5.5 143
220	ECOLOGICAL PROCESSES DRIVING BIOTIC HOMOGENIZATION: TESTING A MECHANISTIC MODEL USING FISH FAUNAS. <i>Ecology</i> , 2004 , 85, 1867-1875	4.6 143
219	Predictive Models of Fish Species Distributions: A Note on Proper Validation and Chance Predictions. <i>Transactions of the American Fisheries Society</i> , 2002 , 131, 329-336	1.7 140
218	Dispersal strength determines meta-community structure in a dendritic riverine network. <i>Journal of Biogeography</i> , 2015 , 42, 778-790	4.1 131
217	Spatial isolation and fish communities in drainage lakes. <i>Oecologia</i> , 2001 , 127, 572-585	2.9 129
216	Pattern and process of biotic homogenization in the New Pangaea. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012 , 279, 4772-7	4.4 122
215	Coupling long-term studies with meta-analysis to investigate impacts of non-native crayfish on zoobenthic communities. <i>Freshwater Biology</i> , 2006 , 51, 224-235	3.1 122
214	Large-scale Flow Experiments for Managing River Systems. <i>BioScience</i> , 2011 , 61, 948-959	5.7 120
213	Climatic vulnerability of the world's freshwater and marine fishes. <i>Nature Climate Change</i> , 2017 , 7, 718-722	2.4 116
212	Trait synergisms and the rarity, extirpation, and extinction risk of desert fishes. <i>Ecology</i> , 2008 , 89, 847-56	4.6 112
211	Flow regime alteration degrades ecological networks in riparian ecosystems. <i>Nature Ecology and Evolution</i> , 2018 , 2, 86-93	12.3 106
210	Challenges and opportunities in implementing managed relocation for conservation of freshwater species. <i>Conservation Biology</i> , 2011 , 25, 40-7	6 106
209	PREDICTING OCCURRENCES AND IMPACTS OF SMALLMOUTH BASS INTRODUCTIONS IN NORTH TEMPERATE LAKES 2004 , 14, 132-148	106

208	Torturing data for the sake of generality: How valid are our regression models?. <i>Ecoscience</i> , 2000 , 7, 501-510	100
207	Defining conservation priorities for freshwater fishes according to taxonomic, functional, and phylogenetic diversity 2011 , 21, 3002-3013	99
206	Characterizing connectivity relationships in freshwaters using patch-based graphs. <i>Landscape Ecology</i> , 2012 , 27, 303-317	4.3 97
205	The rapid spread of rusty crayfish (<i>Orconectes rusticus</i>) with observations on native crayfish declines in Wisconsin (U.S.A.) over the past 130 years. <i>Biological Invasions</i> , 2006 , 8, 1621-1628	2.7 96
204	Context-dependent perceptual ranges and their relevance to animal movements in landscapes. <i>Journal of Animal Ecology</i> , 2004 , 73, 1190-1194	4.7 95
203	Fish Habitat Relationships in Lakes: Gaining Predictive and Explanatory Insight by Using Artificial Neural Networks. <i>Transactions of the American Fisheries Society</i> , 2001 , 130, 878-897	1.7 94
202	The Aquarium Trade as an Invasion Pathway in the Pacific Northwest. <i>Fisheries</i> , 2011 , 36, 74-85	1.1 91
201	Designing flows to resolve human and environmental water needs in a dam-regulated river. <i>Nature Communications</i> , 2017 , 8, 2158	17.4 87
200	Contrasting patterns and mechanisms of spatial turnover for native and exotic freshwater fish in Europe. <i>Journal of Biogeography</i> , 2009 , 36, 1899-1912	4.1 85
199	Multiscale effects of flow regime and habitat and their interaction on fish assemblage structure in eastern Australia. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2007 , 64, 1346-1359	2.4 82
198	The interactive effects of climate change, riparian management, and a nonnative predator on stream-rearing salmon 2014 , 24, 895-912	81
197	Prepare river ecosystems for an uncertain future. <i>Nature</i> , 2019 , 570, 301-303	50.4 80
196	Environmental drivers of fish functional diversity and composition in the Lower Colorado River Basin. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2010 , 67, 1791-1807	2.4 80
195	Biotic homogenization and conservation prioritization. <i>Biological Conservation</i> , 2007 , 134, 447-450	6.2 77
194	Merging connectivity rules and large-scale condition assessment improves conservation adequacy in river systems. <i>Journal of Applied Ecology</i> , 2012 , 49, 1036-1045	5.8 74
193	Taxonomic and functional homogenization of an endemic desert fish fauna. <i>Diversity and Distributions</i> , 2012 , 18, 366-376	5 71
192	A Species-Specific Approach to Modeling Biological Communities and Its Potential for Conservation. <i>Conservation Biology</i> , 2003 , 17, 854-863	6 70
191	Quantifying variable importance in a multimodel inference framework. <i>Methods in Ecology and Evolution</i> , 2016 , 7, 388-397	7.7 68

190	Projected climate-induced habitat loss for salmonids in the John Day River network, Oregon, U.S.A. <i>Conservation Biology</i> , 2012 , 26, 873-82	6	67
189	Hydrology shapes taxonomic and functional structure of desert stream invertebrate communities. <i>Freshwater Science</i> , 2015 , 34, 399-409	2	66
188	A broad framework to organize and compare ecological invasion impacts. <i>Environmental Research</i> , 2011 , 111, 899-908	7.9	66
187	Rediscovering the species in community-wide predictive modeling 2006 , 16, 1449-60		65
186	Latent extinction and invasion risk of crayfishes in the southeastern United States. <i>Conservation Biology</i> , 2010 , 24, 1099-110	6	62
185	Predicting invasiveness of species in trade: climate match, trophic guild and fecundity influence establishment and impact of non-native freshwater fishes. <i>Diversity and Distributions</i> , 2016 , 22, 148-160	5	61
184	Evolutionary and environmental determinants of freshwater fish thermal tolerance and plasticity. <i>Global Change Biology</i> , 2017 , 23, 728-736	11.4	60
183	Reframing the debate over assisted colonization. <i>Frontiers in Ecology and the Environment</i> , 2011 , 9, 569-574	5.4	60
182	Development and assessment of a landscape-scale ecological threat index for the Lower Colorado River Basin. <i>Ecological Indicators</i> , 2011 , 11, 304-310	5.8	59
181	Headwater Streams and Wetlands are Critical for Sustaining Fish, Fisheries, and Ecosystem Services. <i>Fisheries</i> , 2019 , 44, 73-91	1.1	58
180	Ecology, management, and conservation implications of North American beaver (<i>Castor canadensis</i>) in dryland streams. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2014 , 24, 391-409	2.6	58
179	Dispersal ability and habitat requirements determine landscape-level genetic patterns in desert aquatic insects. <i>Molecular Ecology</i> , 2015 , 24, 54-69	5.7	58
178	The Homogocene: a research prospectus for the study of biotic homogenisation. <i>NeoBiota</i> , 37 , 23-36	4.2	58
177	Multidecadal responses of native and introduced fishes to natural and altered flow regimes in the American Southwest. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2013 , 70, 554-564	2.4	57
176	Opinion: Lay summaries needed to enhance science communication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 3585-6	11.5	56
175	Confronting the risks of large-scale invasive species control. <i>Nature Ecology and Evolution</i> , 2017 , 1, 172	12.3	54
174	Can dams be designed for sustainability?. <i>Science</i> , 2017 , 358, 1252-1253	33.3	53
173	Commonly rare and rarely common: comparing population abundance of invasive and native aquatic species. <i>PLoS ONE</i> , 2013 , 8, e77415	3.7	52

172	Declining streamflow induces collapse and replacement of native fish in the American Southwest. <i>Frontiers in Ecology and the Environment</i> , 2016 , 14, 465-472	5.5	51
171	Effects of climate change, invasive species, and disease on the distribution of native European crayfishes. <i>Conservation Biology</i> , 2013 , 27, 731-40	6	51
170	A global assessment of freshwater fish introductions in mediterranean-climate regions. <i>Hydrobiologia</i> , 2013 , 719, 317-329	2.4	50
169	Quantifying uncertainty in estimation of hydrologic metrics for ecohydrological studies. <i>River Research and Applications</i> , 2009 , 26, n/a-n/a	2.3	49
168	Forecasting the spread of invasive rainbow smelt in the Laurentian Great Lakes region of North America. <i>Conservation Biology</i> , 2006 , 20, 1740-9	6	46
167	National parks as protected areas for U.S. freshwater fish diversity. <i>Conservation Letters</i> , 2011 , 4, 364-376	6.9	45
166	Cross-correlation bias in lag analysis of aquatic time series. <i>Marine Biology</i> , 2001 , 138, 1063-1070	2.5	45
165	Revealing the pathways by which agricultural land-use affects stream fish communities in South Brazilian grasslands. <i>Freshwater Biology</i> , 2016 , 61, 1921-1934	3.1	45
164	Practical science communication strategies for graduate students. <i>Conservation Biology</i> , 2014 , 28, 1225-35		43
163	Smallmouth Bass in the Pacific Northwest: A Threat to Native Species; a Benefit for Anglers. <i>Reviews in Fisheries Science</i> , 2011 , 19, 305-315		43
162	Meeting the challenge of interacting threats in freshwater ecosystems: A call to scientists and managers. <i>Elementa</i> , 2017 , 5,	3.6	42
161	Understanding rivers and their social relations: A critical step to advance environmental water management. <i>Wiley Interdisciplinary Reviews: Water</i> , 2019 , 6, e1381	5.7	41
160	Heads you win, tails you lose: Life-history traits predict invasion and extinction risk of the world's freshwater fishes. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2017 , 27, 773-779	2.6	39
159	Species invasions threaten the antiquity of China's freshwater fish fauna. <i>Diversity and Distributions</i> , 2017 , 23, 556-566	5	39
158	Integrated assessment of biological invasions 2014 , 24, 25-37		39
157	The signal crayfish is not a single species: cryptic diversity and invasions in the Pacific Northwest range of <i>Pacifastacus leniusculus</i> . <i>Freshwater Biology</i> , 2012 , 57, 1823-1838	3.1	39
156	Tracking the pulse of the Earth's fresh waters. <i>Nature Sustainability</i> , 2018 , 1, 198-203	22.1	38
155	Using avatar species to model the potential distribution of emerging invaders. <i>Global Ecology and Biogeography</i> , 2012 , 21, 1114-1125	6.1	38

154	The State of Crayfish in the Pacific Northwest. <i>Fisheries</i> , 2011 , 36, 60-73	1.1	38
153	Decoupled conservatism of Grinnellian and Eltonian niches in an invasive arthropod. <i>Ecosphere</i> , 2010 , 1, 1-13	3.1	38
152	The Human Dimensions of Biotic Homogenization. <i>Conservation Biology</i> , 2005 , 19, 2036-2038	6	38
151	Challenges and opportunities for fish conservation in dam-impacted waters 107-148		38
150	Environment and predation govern fish community assembly in temperate streams. <i>Global Ecology and Biogeography</i> , 2016 , 25, 1194-1205	6.1	36
149	Zero or not? Causes and consequences of zero-flow stream gage readings. <i>Wiley Interdisciplinary Reviews: Water</i> , 2020 , 7, e1436	5.7	36
148	Impact of coal mining on stream biodiversity in the US and its regulatory implications. <i>Nature Sustainability</i> , 2018 , 1, 176-183	22.1	35
147	Why do we fly? Ecologists' sins of emission. <i>Frontiers in Ecology and the Environment</i> , 2009 , 7, 294-296	5.5	34
146	Distribution and community-level effects of the Chinese mystery snail (<i>Bellamya chinensis</i>) in northern Wisconsin lakes. <i>Biological Invasions</i> , 2010 , 12, 1591-1605	2.7	34
145	Linking river flow regimes to riparian plant guilds: a community-wide modeling approach. <i>Ecological Applications</i> , 2017 , 27, 1338-1350	4.9	33
144	Evidence for dispersal syndromes in freshwater fishes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018 , 285,	4.4	33
143	Spatial scale and evolutionary history determine the degree of taxonomic homogenization across island bird assemblages. <i>Diversity and Distributions</i> , 2007 , 13, 458-466	5	33
142	Quantifying flow-ecology relationships with functional linear models. <i>Hydrological Sciences Journal</i> , 2014 , 59, 629-644	3.5	32
141	Assessing ecosystem vulnerability to invasive rusty crayfish (<i>Orconectes rusticus</i>) 2011 , 21, 2587-99		32
140	Climate change sensitivity of threatened, and largely unprotected, Amazonian fishes. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2016 , 26, 91-102	2.6	31
139	Global Salmonidae introductions reveal stronger ecological effects of changing intraspecific compared to interspecific diversity. <i>Ecology Letters</i> , 2016 , 19, 1363-1371	10	31
138	Case studies in co-benefits approaches to climate change mitigation and adaptation. <i>Journal of Environmental Planning and Management</i> , 2017 , 60, 647-667	2.8	29
137	Ecological strategies predict associations between aquatic and genetic connectivity for dryland amphibians. <i>Ecology</i> , 2015 , 96, 1371-82	4.6	29

136	Freshwaters in the Public Eye: Understanding the Role of Images and Media in Aquatic Conservation. <i>Fisheries</i> , 2009 , 34, 581-585	1.1	29
135	Integrating landscape connectivity and habitat suitability to guide offensive and defensive invasive species management. <i>Journal of Applied Ecology</i> , 2015 , 52, 366-378	5.8	28
134	Biological Invasions and the Homogenization of Faunas and Floras 2011 , 224-243		28
133	Past, present, and future of ecological integrity assessment for fresh waters. <i>Frontiers in Ecology and the Environment</i> , 2017 , 15, 197-205	5.5	27
132	Evaluating transferability of flow-ecology relationships across space, time and taxonomy. <i>Freshwater Biology</i> , 2018 , 63, 817-830	3.1	27
131	Costs of living for juvenile Chinook salmon (<i>Oncorhynchus tshawytscha</i>) in an increasingly warming and invaded world. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2012 , 69, 1621-1630	2.4	27
130	Beyond Reserves and Corridors: Policy Solutions to Facilitate the Movement of Plants and Animals in a Changing Climate. <i>BioScience</i> , 2011 , 61, 713-719	5.7	27
129	Modeling intrinsic potential for beaver (<i>Castor canadensis</i>) habitat to inform restoration and climate change adaptation. <i>PLoS ONE</i> , 2018 , 13, e0192538	3.7	27
128	Forty years of experiments on aquatic invasive species: are study biases limiting our understanding of impacts?. <i>NeoBiota</i> , 22 , 1-22	4.2	27
127	What's in a Name? Patterns, Trends, and Suggestions for Defining Non-Perennial Rivers and Streams. <i>Water (Switzerland)</i> , 2020 , 12, 1980	3	27
126	Spatiotemporal patterns and habitat associations of smallmouth bass (<i>Micropterus dolomieu</i>) invading salmon-rearing habitat. <i>Freshwater Biology</i> , 2012 , 57, 1929-1946	3.1	26
125	Prey naivety in the behavioural responses of juvenile Chinook salmon (<i>Oncorhynchus tshawytscha</i>) to an invasive predator. <i>Freshwater Biology</i> , 2012 , 57, 1126-1137	3.1	25
124	Home-field advantage: native signal crayfish (<i>Pacifastacus leniusculus</i>) out consume newly introduced crayfishes for invasive Chinese mystery snail (<i>Bellamya chinensis</i>). <i>Aquatic Ecology</i> , 2009 , 43, 1073-1084	1.9	25
123	Phylogenetic species delimitation for crayfishes of the genus <i>Pacifastacus</i> . <i>PeerJ</i> , 2016 , 4, e1915	3.1	25
122	Fish dispersal in flowing waters: A synthesis of movement- and genetic-based studies. <i>Fish and Fisheries</i> , 2018 , 19, 1063-1077	6	24
121	The varying role of population abundance in structuring indices of biotic homogenization. <i>Journal of Biogeography</i> , 2008 , 35, 884-892	4.1	24
120	Patterns and drivers of fish extirpations in rivers of the American Southwest and Southeast. <i>Global Change Biology</i> , 2018 , 24, 1175-1185	11.4	23
119	Changes in taxonomic and phylogenetic diversity in the Anthropocene. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020 , 287, 20200777	4.4	22

118	Threshold responses of riverine fish communities to land use conversion across regions of the world. <i>Global Change Biology</i> , 2020 , 26, 4952-4965	11.4	22
117	Forecasting the Vulnerability of Lakes to Aquatic Plant Invasions. <i>Invasive Plant Science and Management</i> , 2014 , 7, 32-45	1	22
116	Response diversity, nonnative species, and disassembly rules buffer freshwater ecosystem processes from anthropogenic change. <i>Global Change Biology</i> , 2017 , 23, 1871-1880	11.4	22
115	Non-native species promote trophic dispersion of food webs. <i>Frontiers in Ecology and the Environment</i> , 2012 , 10, 406-408	5.5	22
114	Persist in place or shift in space? Evaluating the adaptive capacity of species to climate change. <i>Frontiers in Ecology and the Environment</i> , 2020 , 18, 520-528	5.5	22
113	Comparison of trophic function between the globally invasive crayfishes <i>Pacifastacus leniusculus</i> and <i>Procambarus clarkii</i> . <i>Limnology</i> , 2017 , 18, 275-286	1.7	21
112	Coupling virtual watersheds with ecosystem services assessment: a 21st century platform to support river research and management. <i>Wiley Interdisciplinary Reviews: Water</i> , 2015 , 2, 609-621	5.7	21
111	Life-stage-specific physiology defines invasion extent of a riverine fish. <i>Journal of Animal Ecology</i> , 2015 , 84, 879-888	4.7	21
110	Conservation of migratory fishes in freshwater ecosystems 324-360		21
109	Resource partitioning and functional diversity of worldwide freshwater fish communities. <i>Ecosphere</i> , 2016 , 7, e01356	3.1	21
108	Incentivizing the public to support invasive species management: eurasian milfoil reduces lakefront property values. <i>PLoS ONE</i> , 2014 , 9, e110458	3.7	20
107	Dynamism in the upstream invasion edge of a freshwater fish exposes range boundary constraints. <i>Oecologia</i> , 2017 , 184, 453-467	2.9	18
106	Longitudinal variability in lateral hydrologic connectivity shapes fish occurrence in temporary floodplain ponds. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2018 , 75, 319-328	2.4	18
105	Multi-trophic impacts of an invasive aquatic plant. <i>Freshwater Biology</i> , 2016 , 61, 1846-1861	3.1	18
104	Energy, water and fish: biodiversity impacts of energy-sector water demand in the United States depend on efficiency and policy measures. <i>PLoS ONE</i> , 2012 , 7, e50219	3.7	18
103	Genetic Differentiation, Isolation-by-Distance, and Metapopulation Dynamics of the Arizona Treefrog (<i>Hyla wrightorum</i>) in an Isolated Portion of Its Range. <i>PLoS ONE</i> , 2016 , 11, e0160655	3.7	18
102	Safeguarding migratory fish via strategic planning of future small hydropower in Brazil. <i>Nature Sustainability</i> , 2021 , 4, 409-416	22.1	18
101	Increasing drought favors nonnative fishes in a dryland river: evidence from a multispecies demographic model. <i>Ecosphere</i> , 2019 , 10, e02681	3.1	17

100	Assessing long-term fish responses and short-term solutions to flow regulation in a dryland river basin. <i>Ecology of Freshwater Fish</i> , 2015 , 24, 56-66	2.1	17
99	Crayfish occupancy and abundance in lakes of the Pacific Northwest, USA. <i>Freshwater Science</i> , 2013 , 32, 94-107	2	17
98	Behavioural and growth differences between experienced and naïve populations of a native crayfish in the presence of invasive rusty crayfish. <i>Freshwater Biology</i> , 2009 , 54, 1876-1887	3.1	17
97	Spatial heterogeneity contributes more to portfolio effects than species variability in bottom-associated marine fishes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018 , 285,	4.4	17
96	Importance of harvest-driven trait changes for invasive species management. <i>Frontiers in Ecology and the Environment</i> , 2018 , 16, 317-318	5.5	16
95	Species invasions and the changing biogeography of Australian freshwater fishes. <i>Global Ecology and Biogeography</i> , 2007 , 17, 070730045917003-???	6.1	16
94	Critical threshold effects of benthoscape structure on stream herbivore movement. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2007 , 362, 461-72	5.8	16
93	Spatial Patterns and Drivers of Nonperennial Flow Regimes in the Contiguous United States. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL090794	4.9	16
92	Individual-based models forecast the spread and inform the management of an emerging riverine invader. <i>Diversity and Distributions</i> , 2018 , 24, 1816-1829	5	15
91	Human health risk from consumption of aquatic species in arsenic-contaminated shallow urban lakes. <i>Science of the Total Environment</i> , 2021 , 770, 145318	10.2	15
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