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The future of fish passage science, engineering, and practice

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#	Paper	IF	Citations
266	The importance of a holistic ecohydraulics approach in advancing fish passage design. 2018 , 3, 61-62		
265	Safe two-way migration for salmonids and eel past hydropower structures in Europe: a review and recommendations for best-practice solutions. 2018 , 69, 1834		30
264	Image Analysis Based Fish Tail Beat Frequency Estimation for Fishway Efficiency. 2018 ,		1
263	Comparison of coarse-resolution rapid methods for assessing fish passage at riverine barriers: ICE and SNIFFER protocols. 2018 , 34, 1168-1178		7
262	Common mechanisms for guidance efficiency of descending Atlantic salmon smolts in small and large hydroelectric power plants. 2018 , 34, 1179-1185		11
261	Simultaneous assessment of two passage facilities for maintaining hydrological connectivity for subtropical coastal riverine fish. <i>Ecological Engineering</i> , 2018 , 124, 77-87	3.9	3
260	Enhancing the upstream passage of river lamprey at a microhydropower installation using horizontally-mounted studded tiles. <i>Ecological Engineering</i> , 2018 , 125, 87-97	3.9	15
259	Effectiveness of a fish ladder for two Neotropical migratory species in the Paran�River. 2018 , 69, 1848		10
258	Selective fragmentation and the management of fish movement across anthropogenic barriers. 2018 , 28, 2066-2081		53
257	European silver eel (<i>Anguilla anguilla</i> L.) migration behaviour in a highly regulated shipping canal. 2018 , 206, 176-184		15
256	Movement behaviours of potamodromous fish within a large anthropised river after the reestablishment of the longitudinal connectivity. 2018 , 207, 140-149		15
255	Moving beyond fitting fish into equations: Progressing the fish passage debate in the Anthropocene. 2019 , 29, 1095-1105		35
254	Not just a migration problem: Metapopulations, habitat shifts, and gene flow are also important for fishway science and management. 2019 , 35, 1688-1696		26
253	Hydropower Development and Fishways: A Need for Connectivity in Rivers of the Upper Paran�Basin. 2019 , 11, 3749		14
252	River connectivity and fish migration considerations in the management of multiple stressors in South Africa. 2019 , 70, 1254		9
251	Analysis of emerging technologies in the hydropower sector. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 113, 109257	16.2	94
250	Ecological and Evolutionary Consequences of Environmental Change and Management Actions for Migrating Fish. 2019 , 7,		35

249	Sex-specific probability of PIT tag retention in a cyprinid fish. 2019 , 219, 105325		8
248	One Hundred Pressing Questions on the Future of Global Fish Migration Science, Conservation, and Policy. 2019 , 7,		32
247	Performance of a Pool and Weir Fishway for Iberian Cyprinids Migration: A Case Study. 2019 , 4, 45		5
246	A trap-and-haul fishway for upstream transfers of migrating fish at a challenging dam site. 2019 , 4, 56-70		4
245	Quantitative assessment of fish passage efficiency at a vertical-slot fishway on the Daduhe River in Southwest China. <i>Ecological Engineering</i> , 2019 , 141, 105597	3.9	7
244	Water infrastructure and the migrations of amphidromous species: impacts and research requirements. 2019 , 4, 4-13		5
243	Atlantic salmon <i>Salmo salar</i> passing a natural barrier before and after construction of a hydroelectric station. <i>Journal of Fish Biology</i> , 2019 , 95, 1257-1264	1.9	2
242	How lipid content and temperature affect American shad (<i>Alosa sapidissima</i>) attempt rate and sprint swimming: implications for overcoming migration barriers. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2019 , 76, 2235-2244	2.4	2
241	The Effect of Modifying a CFD-AB Approach on Fish Passage through a Model Hydraulic Dam. <i>Water (Switzerland)</i> , 2019 , 11, 1776	3	3
240	Do We Know Enough to Save European Riverine Fish? A Systematic Review on Autecological Requirements During Critical Life Stages of 10 Rheophilic Species at Risk. 2019 , 11, 5011		5
239	Fish passage developments for small-bodied tropical fish: field case-studies lead to technology improvements. 2019 , 4, 14-26		3
238	Bidirectional connectivity via fish ladders in a large Neotropical river. 2019 , 35, 236-246		15
237	Modelling mitigation measures for smolt migration at dammed river sections. 2019 , 12, e2131		8
236	Fish passage hydrodynamics: insights into overcoming migration challenges for small-bodied fish. 2019 , 4, 43-55		7
235	Commonalities in stream connectivity restoration alternatives: an attempt to simplify barrier removal optimization. <i>Ecosphere</i> , 2019 , 10, e02596	3.1	14
234	Conceptual Approach for Positioning of Fish Guidance Structures Using CFD and Expert Knowledge. 2019 , 11, 1646		7
233	Evaluation of Fish Passage at a Nature-Like Rock Ramp Fishway on a Large Coastal River. 2019 , 148, 798-816		8
232	Individual Based Modelling of Fish Migration in a 2-D River System: Model Description and Case Study. 2019 , 34, 737-754		11

231	Managing dams for energy and fish tradeoffs: What does a win-win solution take?. <i>Science of the Total Environment</i> , 2019 , 669, 833-843	10.2	27
230	Proposals for optimizing sea lamprey passage through a vertical-slot fishway. 2019 , 12, e2087		8
229	Cyprinid passage performance in an experimental multislot fishway across distinct seasons. 2019 , 70, 881		9
228	Passage Route and Upstream Migration Success: A Case Study of Snake River Salmonids Ascending Lower Granite Dam. 2019 , 39, 58-68		1
227	Turbine entrainment and passage of potadromous fish through hydropower dams: Developing conceptual frameworks and metrics for moving beyond turbine passage mortality. <i>Fish and Fisheries</i> , 2019 , 20, 403-418	6	14
226	Behaviour of Atlantic salmon smolts approaching a bypass under light and dark conditions: Importance of fish development. <i>Ecological Engineering</i> , 2019 , 131, 39-52	3.9	14
225	Rheotaxis and swimming performance of Perch-barbel (<i>Percocypris pingi</i> , Tchang, 1930) and application to design of fishway entrances. <i>Ecological Engineering</i> , 2019 , 132, 102-108	3.9	6
224	Living in an amphidromous world: Perspectives on the management of fish passage from an island nation. 2019 , 29, 1424-1437		7
223	Passage performance and behaviour of wild and stocked cyprinid fish at a sloping weir with a Low Cost Baffle fishway. <i>Ecological Engineering</i> , 2019 , 130, 67-79	3.9	9
222	Global advances in fish passage research and practice. 2019 , 4, 2-3		1
221	Emerging threats and persistent conservation challenges for freshwater biodiversity. 2019 , 94, 849-873		807
220	Sturgeon survival: The role of swimming performance and fish passage research. 2019 , 212, 162-171		25
219	Swimming performance of brown trout and grayling show species-specific responses to changes in temperature. 2019 , 28, 241-246		1
218	Species and river specific effects of river fragmentation on European anadromous fish species. 2019 , 35, 68-77		50
217	Effects of interlocked carpet ramps on upstream movement of brown trout <i>Salmo trutta</i> in an upland stream. 2020 , 5, 3-30		6
216	Research on dams and fishes: determinants, directions, and gaps in the world scientific production. 2020 , 847, 579-592		13
215	How and where to pass? Atlantic salmon smolt's behaviour at a hydropower station offering multiple migration routes. 2020 , 847, 469-485		8
214	Assessment of head loss coefficients for water turbine intake trash-racks by numerical modeling. 2020 , 21, 109-119		2

213	Re-establishment of fish passage for conserving threatened migratory species of West-Indian Himalayas. 2020 , 36, 314-317		1
212	The effects of hydrodynamics on the three-dimensional downstream migratory movement of Atlantic salmon. <i>Science of the Total Environment</i> , 2020 , 705, 135773	10.2	18
211	Model-based ecological optimization of vertical slot fishways using macroinvertebrates and multispecies fish indicators. <i>Ecological Engineering</i> , 2020 , 158, 106081	3.9	2
210	A compendium of ecological knowledge for restoration of freshwater fishes in Australia. 2020 , 71, 1391		13
209	Single-Stream Recycling Inspires Selective Fish Passage Solutions for the Connectivity Conundrum in Aquatic Ecosystems. 2020 , 70, 871-886		8
208	Behaviour and ability of a cyprinid (<i>Schizopygopsis younghusbandi</i>) to cope with accelerating flows when migrating downstream. 2020 , 37, 1168		4
207	Coarse fishway assessment to prioritize retrofitting efforts: A case study in the Duero River basin. <i>Ecological Engineering</i> , 2020 , 155, 105946	3.9	4
206	Hydropower Development and the Loss of Fisheries in the Mekong River Basin. <i>Frontiers in Environmental Science</i> , 2020 , 8,	4.8	9
205	Key factors explaining critical swimming speed in freshwater fish: a review and statistical analysis for Iberian species. 2020 , 10, 18947		12
204	Fish conservation must go beyond the concrete: A comment on Celestino et al. (2019). 2020 , 36, 1373-1376		3
203	Advances in fish passage in the Great Lakes basin. 2020 ,		11
202	Emerging conservation initiatives for lampreys: Research challenges and opportunities. 2020 , 47, S690-S690		12
201	Modeling diadromous fish loss from historical data: Identification of anthropogenic drivers and testing of mitigation scenarios. <i>PLoS ONE</i> , 2020 , 15, e0236575	3.7	8
200	Registration and application of sea lamprey pheromones for sea lamprey control in the United States and Canada. 2020 ,		7
199	Large dam renewals and removals Part 1: Building a science framework to support a decision-making process. 2020 , 36, 1460-1471		3
198	Semi-natural fishway efficiency for goliath catfish (<i>Brachyplatystoma</i> spp.) in a large dam in the Amazon Basin. 2020 , 1		5
197	Distribution of cyprinids in the stream during their spring upstream migration. 2020 , 164, 07029		
196	Validation of Francis Kaplan Turbine Blade Strike Models for Adult and Juvenile Atlantic Salmon (<i>Salmo Salar</i> , L.) and Anadromous Brown Trout (<i>Salmo Trutta</i> , L.) Passing High Head Turbines. 2020 , 12, 6384		5

- 195 Evaluating a fishway reconstruction amidst fluctuating abundances. **2020**, 36, 1748-1753
- 194 Quantifying the individual impact of artificial barriers in freshwaters: A standardized and absolute genetic index of fragmentation. **2020**, 13, 2566-2581 2
- 193 River connectivity restoration for upstream-migrating European river lamprey: The efficacy of two horizontally-mounted studded tile designs. **2020**, 36, 2013-2023 0
- 192 Can Energy Depletion of Wild Atlantic Salmon Kelts Negotiating Hydropower Facilities Lead to Reduced Survival?. **2020**, 12, 7341 4
- 191 Evaluating Cost Trade-Offs between Hydropower and Fish Passage Mitigation. **2020**, 12, 8520 7
- 190 Within and Among Fish Species Differences in Simulated Turbine Blade Strike Mortality: Limits on the Use of Surrogacy for Untested Species. *Water (Switzerland)*, **2020**, 12, 701 3 3
- 189 Are national barrier inventories fit for stream connectivity restoration needs? A test of two catchments. **2020**, 34, 791-803 4
- 188 Dams and protected areas: Quantifying the spatial and temporal extent of global dam construction within protected areas. **2020**, 13, e12719 12
- 187 Upstream migration of fishes downstream of an under-construction hydroelectric dam and implications for the operation of fish passage facilities. **2020**, 23, e01143 2
- 186 The Freshwater Commons. **2020**, 1-33
- 185 Global Endangerment of Freshwater Biodiversity. **2020**, 34-60
- 184 Overexploitation. **2020**, 61-122
- 183 Alien Species and Their Effects. **2020**, 123-215
- 182 River Regulation. **2020**, 216-258
- 181 Vanishing Lakes and Threats to Lacustrine Biodiversity. **2020**, 259-290
- 180 How Will Climate Change Affect Freshwater Biodiversity?. **2020**, 291-331
- 179 Ecosystem Services and Incentivizing Conservation of Freshwater Biodiversity. **2020**, 332-355
- 178 Conservation of Freshwater Biodiversity. **2020**, 356-398

177 Afterword. **2020**, 399-404

176 Species Index. **2020**, 471-488

175 General Index. **2020**, 489-500

174 Plate Section (PDF Only). **2020**, 501-516

173 Foreword. **2020**, x-xiv

172 Effect of body length on swimming capability and vertical slot fishway design. **2020**, 22, e00990 3

171 Repeat UCrit and endurance swimming in juvenile shortnose sturgeon (*Acipenser brevirostrum*). *Journal of Fish Biology*, **2020**, 96, 1379-1387 1.9 4

170 Water resource development and sturgeon (*Acipenseridae*): state of the science and research gaps related to fish passage, entrainment, impingement and behavioural guidance. **2020**, 30, 219-244 10

169 Catchment-scale effects of river fragmentation: A case study on restoring connectivity. **2020**, 264, 110408 6

168 Development and evaluation of an empirical equation for the screening effect of bar racks. **2020**, 5, 184-197 1

167 Sea lamprey (*Petromyzon marinus*) transit of a ramp equipped with studded substrate: Implications for fish passage and invasive species control. *Ecological Engineering*, **2020**, 155, 105957 3.9 8

166 Constructions used to enable fish migration in the Czech Republic and abroad. **2020**, 444, 012014

165 Impacts of a weir and power station on downstream migrating Atlantic salmon smolts in a German river. **2020**, 36, 784-796 8

164 Are we designing fishways for diversity? Potential selection on alternative phenotypes resulting from differential passage in brown trout. **2020**, 262, 110317 5

163 Modeling Framework for Reservoir Capacity Planning Accounting for Fish Migration. **2020**, 146, 04020006 7

162 Habitat loss due to dam development may affect the distribution of marine-associated fishes in Gabon, Africa. *Ecosphere*, **2020**, 11, e03024 3.1 2

161 Pool-Type Fishway Design for a Potamodromous Cyprinid in the Iberian Peninsula: The Iberian Barbel Synthesis and Future Directions. **2020**, 12, 3387 5

160 A comparison of turbine entrainment rates and seasonal entrainment vulnerability of two sympatric char species, bull trout and lake trout, in a hydropower reservoir. **2020**, 36, 1033-1045 2

159	Adult sea lamprey respond to induced turbulence in a low current system. 2021 , 6, 82-90		3
158	Achieving fish passage outcomes at irrigation infrastructure; a case study from the Lower Mekong Basin. 2021 , 6, 113-124		4
157	Evaluation of cone fishways to facilitate passage of small-bodied fish. 2021 , 6, 125-134		4
156	Influence of discharge regime on the movement and refuge use of a freshwater fish in a drying temperate region. 2021 , 14,		3
155	Schizothorax prenanti swimming behavior in response to different flow patterns in vertical slot fishways with different slot positions. <i>Science of the Total Environment</i> , 2021 , 754, 142142	10.2	9
154	Migration of silver eel, <i>Anguilla anguilla</i> , through three water pumping stations in The Netherlands. 2021 , 28, 76-90		0
153	Lock operations influence upstream passages of invasive and native fishes at a Mississippi River high-head dam. 2021 , 23, 771-794		6
152	A temporal perspective to dam management: influence of dam life and threshold fishery conditions on the energy-fish tradeoff. 2021 , 35, 83-94		4
151	The Possible Difficulties and Outcomes of the Biodiversity Conservation of the Southern Marshes of Iraq. 2021 , 579-589		
150	Connectivity between lentic and lotic freshwater habitats identified as a conservation priority for coho salmon. 2021 , 31, 1791-1801		0
149	A Computational Fluid Dynamics Model for a Water Vortex Power Plant as Platform for Etho- and Ecohydraulic Research. <i>Energies</i> , 2021 , 14, 639	3.1	4
148	Multislot Fishway Improves Entrance Performance and Fish Transit Time over Vertical Slots. <i>Water (Switzerland)</i> , 2021 , 13, 275	3	3
147	Temporary turbine and reservoir level management to improve downstream migration of juvenile salmon through a hydropower complex. 2021 , 4		2
146	Swimming Performance of Four Carps on the Yangtze River for Fish Passage Design. 2021 , 13, 1575		0
145	Improving bypass performance and passage success of Atlantic salmon smolts at an old fish-hostile hydroelectric power station: a challenging task. <i>Ecological Engineering</i> , 2021 , 160, 106148	3.9	4
144	Genetic Investigation of Four Beluga Sturgeon (<i>Huso huso</i> , L.) Broodstocks for its Reintroduction in the Po River Basin. 2021 , 8, 25		1
143	Fish telemetry in African inland waters and its use in management: a review. 2021 , 31, 337-357		4
142	Numerical Analysis on the Effect of Slot Width on the Design of Vertical Slot Fishways. 2021 , 1090, 012094		

141	Priority knowledge needs for management of migratory fish species in Cambodia. 2021 , 28, 393-416		3
140	Variations in migration behaviour and mortality of Atlantic salmon smolts in four different hydroelectric facilities. 2021 , 28, 253-267		1
139	Integration of Constructed Floodplain Ponds into Nature-Like Fish Passes Supports Fish Diversity in a Heavily Modified Water Body. <i>Water (Switzerland)</i> , 2021 , 13, 1018	3	4
138	Fish passage assessment in stepped fishways: Passage success and transit time as standardized metrics. <i>Ecological Engineering</i> , 2021 , 162, 106172	3.9	5
137	Turning Pools in Stepped Fishways: Biological Assessment via Fish Response and CFD Models. <i>Water (Switzerland)</i> , 2021 , 13, 1186	3	3
136	Behavioral responses of sea lamprey (<i>Petromyzon marinus</i>) and white sucker (<i>Catostomus commersonii</i>) to turbulent flow during fishway passage attempts. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2021 , 78, 409-421	2.4	2
135	Validation of a Swimming Direction Model for the Downstream Migration of Atlantic Salmon Smolts. <i>Water (Switzerland)</i> , 2021 , 13, 1230	3	2
134	Effects of run-of-river hydropower plants on fish communities in montane stream ecosystems in Serbia. 2021 , 37, 722-731		3
133	Less effort but equal result: Introducing the daily run-size estimation method for quantifying fish passage in fishways. <i>PLoS ONE</i> , 2021 , 16, e0252183	3.7	1
132	Selective effects of small barriers on river-resident fish. 2021 , 58, 1487		6
131	Passage and Survival of Juvenile Salmonid Smolts through Dams in the Columbia and Snake Rivers, 2010-2018. 2021 , 41, 678-696		1
130	A Method for Estimating the Velocity at Which Anaerobic Metabolism Begins in Swimming Fish. <i>Water (Switzerland)</i> , 2021 , 13, 1430	3	0
129	Merging computational fluid dynamics and machine learning to reveal animal migration strategies. 2021 , 12, 1186-1200		4
128	Low impact of fast-time spawners on population growth in a brown trout population. 2021 , SUSTAIN,		1
127	Rapid response of fish and aquatic habitat to removal of a tidal barrier. 2021 , 31, 1802-1816		2
126	Ecological impacts of run-of-river hydropower plants: Current status and future prospects on the brink of energy transition. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 142, 110833	16.2	118
125	A biologically based measure of turbulence intensity for predicting fish passage behaviours. 1-13		0
124	Climbing for dummies: recommendation for multi-specific fishways for the conservation of tropical eels and gobies.		1

123	Toward a roadmap for diadromous fish conservation: the Big Five considerations. 2021 , 19, 396-403		4
122	Contextualizing the relative importance of habitat connectivity for metapopulation persistence: A case study of a critically endangered fish. 2021 , 31, 1956-1969		
121	Design of vertical slot fish ladder: review paper. 2021 , 779, 012080		
120	Editorial: Green or red: Challenges for fish and freshwater biodiversity conservation related to hydropower. 2021 , 31, 1551-1558		12
119	Swimming capability of target fish from eight hydropower stations in China relative to fishway design. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> ,	2.4	1
118	Asset management competency requirements in Australian local government: a systematic literature review. 1-34		0
117	Cumulative impacts of habitat fragmentation and the environmental factors affecting upstream migration in the threatened sea lamprey, <i>Petromyzon marinus</i> . 2021 , 31, 2560-2574		1
116	Role of carryover effects in conservation of wild Pacific salmon migrating regulated rivers. <i>Ecosphere</i> , 2021 , 12, e03618	3.1	2
115	Tide gates form physical and ecological obstacles to river herring (<i>Alosa</i> spp.) spawning migrations. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2021 , 78, 869-880	2.4	2
114	Hydropower-induced selection of behavioural traits in Atlantic salmon (<i>Salmo salar</i>). 2021 , 11, 16444		0
113	The role of individual behavioral traits on fishway passage attempt behavior. 2021 , 11, 11974-11990		0
112	Environmental threats and conservation implications for Atlantic salmon and brown trout during their critical freshwater phases of spawning, egg development and juvenile emergence. 2021 , 28, 437-467		6
111	Creation of a prototype biomimetic fish to better understand impact trauma caused by hydropower turbine blade strikes. 3, e16		0
110	Experimental Investigation of Physical Leaky Barrier Design Implications on Juvenile Rainbow Trout (<i>Oncorhynchus mykiss</i>) Movement. 2021 , 57, e2021WR030111		1
109	Response of European grayling, <i>Thymallus thymallus</i> , to multiple stressors in hydropeaking rivers. 2021 , 292, 112737		3
108	Size Matters, but Species Do Not: No Evidence for Species-Specific Swimming Performance in Co-Occurring Great Basin Stream Fishes. <i>Water (Switzerland)</i> , 2021 , 13, 2570	3	
107	A comparison of passage efficiency for native and exotic fish species over an artificial baffled ramp. <i>Journal of Fish Biology</i> , 2021 ,	1.9	0
106	Technical fishway passage structures provide high passage efficiency and effective passage for adult Pacific salmonids at eight large dams. <i>PLoS ONE</i> , 2021 , 16, e0256805	3.7	1

105	Upstream and Downstream [Exciting Advances to Modernize Fish Passage and Improve Data Collection.		
104	Prioritizing native migratory fish passage restoration while limiting the spread of invasive species: A case study in the Upper Mississippi River. <i>Science of the Total Environment</i> , 2021 , 791, 148317	10.2	2
103	Optimization of fishway attraction flow based on endemic fish swimming performance and hydraulics. <i>Ecological Engineering</i> , 2021 , 170, 106332	3.9	0
102	Trying to choose the less bad route: Individual migratory behaviour of Atlantic salmon smolts (<i>Salmo salar</i> L.) approaching a bifurcation between a hydropower station and a navigation canal. <i>Ecological Engineering</i> , 2021 , 169, 106304	3.9	1
101	Spoiler baffle patch design for improved upstream passage of small-bodied fish. <i>Ecological Engineering</i> , 2021 , 169, 106316	3.9	1
100	Cobble substrate in a surface bypass reduces bypass acceptance by common roach <i>Rutilus rutilus</i> . <i>Ecological Engineering</i> , 2021 , 172, 106402	3.9	1
99	Fish community and abundance response to improved connectivity and more natural hydromorphology in a post-industrial subcatchment. <i>Science of the Total Environment</i> , 2022 , 802, 149720 ^{10.2}		1
98	Einleitung. 2021 , 1-9		
97	All Fish, All the Time: A Good General Objective for Fish Passage Projects?. 2021 , 46, 119-124		1
96	Freshwater Biodiversity: Status, Threats and Conservation. 2020 ,		4
95	Impacts of current and future large dams on the geographic range connectivity of freshwater fish worldwide. 2020 , 117, 3648-3655		85
94	A new framework for assessing roughness elements in promoting fish passage at low-head instream structures. 2020 , 5, 152-164		3
93	Quantifying the individual impact of artificial barriers in freshwaters: A standardized and absolute genetic index of fragmentation.		1
92	Comparative swimming performance and behaviour of three benthic fish species: The invasive round goby (<i>Neogobius melanostomus</i>), the native bullhead (<i>Cottus gobio</i>), and the native gudgeon (<i>Gobio gobio</i>). 2021 , 30, 391-405		5
91	Swimming ability and behavior of Mrigal carp <i>Cirrhinus mrigala</i> and application to fishway design. 2018 , 27, 127-132		3
90	Numerical Investigation of Hydraulics in a Vertical Slot Fishway with Upgraded Configurations. <i>Water (Switzerland)</i> , 2021 , 13, 2711	3	1
89	What Have We Lost? Modeling Dam Impacts on American Shad Populations Through Their Native Range. 2021 , 8,		1
88	Anthropogenic barriers to longitudinal river connectivity in Greece: A review. 2021 ,		0

87	A Step to Smart Fishways: An Autonomous Obstruction Detection System Using Hydraulic Modeling and Sensor Networks. 2021 , 21,		1
86	Pareto Optimality and Compromise for Environmental Water Management. 2021 , 57,		0
85	Dazed and confused: Behavioural constraints impose major challenges to fish passage in the neotropics.		0
84	Editorial: Balancing Hydropower and Freshwater Environments in the Global South. <i>Frontiers in Environmental Science</i> , 2021 , 9,	4.8	
83	Protection and Guidance of Downstream Moving Fish with Electrified Horizontal Bar Rack Bypass Systems. <i>Water (Switzerland)</i> , 2021 , 13, 2786	3	1
82	Impacts of loss of free-flowing rivers on global freshwater megafauna. 2021 , 263, 109335		4
81	Muddying the waters: investigating the generality of silt-resistance in mound-building <i>Nocomis</i> spp. using hornyhead chub (<i>Nocomis biguttatus</i>) and redspot chub (<i>Nocomis asper</i>). 2020 , 103, 815-831		1
80	Evolution of the sea lamprey control barrier program: The importance of lowermost barriers. 2021 , 47, S285-S285		14
79	Fishway in hydropower dams: a scientometric analysis. 2021 , 193, 752		2
78	Fishway Effectiveness and Upstream Residency of Three Fish Species at Four Fishways in Prince Edward Island, Canada. 2020 , 27, 48		0
77	Short-Term Effects of Low-Head Barrier Removals on Fish Communities and Habitats. 2021 , 9,		
76	A Review of River Herring Science in Support of Species Conservation and Ecosystem Restoration. 2021 , 13, 627-664		0
75	Group size influences light-emitting diode light colour and substrate preference of David's Schizothoracin (<i>Schizothorax davidi</i>): Relevance for design of fish passage facilities.		
74	Fish morphology and passage through velocity barriers. Experience with northern straight-mouth nase (<i>Pseudochondrostoma duriense</i> Coelho, 1985) in an open channel flume. 1		2
73	The sum of multiple human stressors and weak management as a threat for migratory fish. 2021 , 264, 109392		0
72	Flow, force, behaviour: assessment of a prototype hydraulic barrier for invasive fish. 1		0
71	Identifying optimal position for a fish collection system for endemic fishes in Hong River, China. <i>Ecological Engineering</i> , 2022 , 176, 106524	3.9	0
70	Thirty years of environmental change reduces local, but not regional, diversity of riverine fish assemblages in a Himalayan biodiversity hotspot. 2022 , 265, 109427		1

69	Assessment of Fish Abundance, Biodiversity and Movement Periodicity Changes in a Large River over a 20-Year Period. 2022 , 9, 22		
68	A Physical and Behavioral Barrier for Enhancing Fish Downstream Migration at Hydropower Dams: The Flexible FishProtector. <i>Water (Switzerland)</i> , 2022 , 14, 378	3	3
67	Individual movement variation in upstream-migrating sea lamprey <i>Petromyzon marinus</i> in a highly fragmented river.		0
66	Attracting juvenile fish into Tube Fishways [Roles of transfer chamber diameter and flow velocity. <i>Ecological Engineering</i> , 2022 , 176, 106544	3.9	2
65	High egg retention in Chinook Salmon <i>Oncorhynchus tshawytscha</i> carcasses sampled downstream of a migratory barrier.. <i>Journal of Fish Biology</i> , 2021 ,	1.9	0
64	Experimental Assessment of the Influence of Fish Passage Geometry Parameters on Downstream Migrating Atlantic Salmon (<i>Salmo salar</i>) Smolts Behavior. <i>Water (Switzerland)</i> , 2022 , 14, 616	3	
63	Development of behavioral rules for upstream orientation of fish in confined space.. <i>PLoS ONE</i> , 2022 , 17, e0263964	3.7	0
62	Politicization of the Hydropower Dams in the Lancang-Mekong Basin: A Review of Contemporary Environmental Challenges. <i>Energies</i> , 2022 , 15, 1682	3.1	0
61	Evaluation of Volitional Swimming Behavior of Using an Open-Channel Flume with Spatially Heterogeneous Turbulent Flow.. <i>Animals</i> , 2022 , 12,	3.1	1
60	A numerical approach for active fish behaviour modelling with a view toward hydropower plant assessment. <i>Renewable Energy</i> , 2022 , 188, 957-966	8.1	1
59	Ecological connectivity of the upper Rhine River: Upstream fish passage at two successive large hydroelectric dams for partially migratory species. <i>Ecological Engineering</i> , 2022 , 178, 106545	3.9	1
58	Environmental design of low-head run-of-river hydropower in the United States: A review of facility design models. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 160, 112312	16.2	1
57	Intraspecific variation in migration timing of green sturgeon in the Sacramento River system.		0
56	Barrier mitigation measures trigger the rapid recovery of genetic connectivity in five freshwater fish species.		
55	Dam Renovation to Prolong Reservoir Life and Mitigate Dam Impacts. <i>Water (Switzerland)</i> , 2022 , 14, 1464	3	1
54	Turbulent Flow in a Central Vertical Slot Fishway: Numerical Assessment with RANS and LES Schemes. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2022 , 148,	1.1	
53	An Efficient Method for Computing the Power Potential of Bypass Hydropower Installations. <i>Energies</i> , 2022 , 15, 3228	3.1	
52	Applications of telemetry to fish habitat science and management. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1-13	2.4	0

51	Ecohydraulic Characteristics of a Differential Weir-Orifice Structure and Its Application to the Transition Reach of a Fishway. <i>Water (Switzerland)</i> , 2022 , 14, 1711	3	
50	Intraspecific variation in migration timing of green sturgeon in the Sacramento River system. <i>Ecosphere</i> , 2022 , 13,	3.1	0
49	Combining Fish Passage and Sediment Bypassing: A Conceptual Solution for Increased Sustainability of Dams and Reservoirs. <i>Water (Switzerland)</i> , 2022 , 14, 1977	3	1
48	Using a fish entrainment model assistant in a reservoir operation in China. <i>Journal of Hydroinformatics</i> ,	2.6	
47	Effectiveness of New Rock-Ramp Fishway at Miyanaka Intake Dam Compared with Existing Large and Small Stair-Type Fishways. <i>Water (Switzerland)</i> , 2022 , 14, 1991	3	
46	Attraction Flow and Migration Habitat Assessment Using an Agent-Based Model. 2022 , 83-90		
45	When the Eel Meets Dams: Larger Dams Long-Term Impacts on <i>Anguilla anguilla</i> (L., 1758). <i>Frontiers in Environmental Science</i> , 10,	4.8	0
44	The Movement Ecology of Fishes. <i>Journal of Fish Biology</i> ,	1.9	1
43	Developing performance standards in fish passage: Integrating ecology, engineering and socio-economics. <i>Ecological Engineering</i> , 2022 , 182, 106732	3.9	
42	Experimental study on the passage behavior of juvenile <i>Schizothorax prenanti</i> by configuring local colors in the vertical slot fishways. <i>Science of the Total Environment</i> , 2022 , 843, 156989	10.2	
41	Reading the biomineralized book of life: expanding otolith biogeochemical research and applications for fisheries and ecosystem-based management.		0
40	Juvenile salmon habitat use drives variation in growth and highlights vulnerability to river fragmentation. 2022 , 13,		0
39	Empirical support for sequential imprinting during downstream migration in Atlantic salmon (<i>Salmo salar</i>) smolts. 2022 , 12,		
38	Are we any closer to understanding why fish can die after severe exercise?.		
37	Poor downstream passage at a dam creates an ecological trap for migratory fish.		0
36	Supporting proactive planning for climate change adaptation and conservation using an attributed road-river structure dataset. 2022 , 321, 115959		
35	Brown Trout Upstream Passage Performance for a Fishway with Water Drops between Pools beyond Fish Passage Design Recommendations. 2022 , 14, 2750		0
34	Personality-dependent passage behaviour of an aquatic invasive species at a barrier to dispersal. 2022 , 192, 63-74		0

33	Collaboration between fish passage scientists and engineers: Insights from an international questionnaire. 2022 , 323, 116268	0
32	Applied aspects of locomotion and biomechanics. 2022 ,	3
31	Introduction. 2022 , 1-9	0
30	Lake Sturgeon Movement after Trap and Transfer around Two Dams on the Menominee River, Wisconsin-Michigan. 2022 , 151, 611-629	0
29	Temporal Variation in Capture Efficiency Underrepresents Spring Out-Migrating Bull Trout in a Trap-and-Haul Program.	0
28	A conservation physiological perspective on dam passage by fishes. 2022 ,	1
27	Uphill Flow Rock Ramps. How the Design Impacts Their Functionality. 2022 , 14, 3492	0
26	Fragmentation by major dams and implications for the future viability of platypus populations. 2022 , 5,	0
25	Machine learning based assessment of small-bodied fish tracking to evaluate spoiler baffle fish passage design. 2023 , 325, 116507	0
24	Interdisciplinary design of a fish ramp using migration routes analysis. 2023 , 475, 110189	0
23	Riverine communities and management systems for anadromous fisheries in the Iberian Peninsula: global strategy, local realities.	0
22	Fishway performance of adult Chinook salmon completing one of the world's longest inland salmon migrations to the upper Yukon River. 2023 , 187, 106846	0
21	Correlation Monitoring Method and model of Science-Technology-Industry in the AI Field: A Case of the Neural Network. 2022 , 12, 215824402211412	0
20	Evaluating the risk of fish stranding due to hydropeaking in a large continental river.	1
19	A framework for functional fish passage decision-making.	0
18	Impact of hydraulic forces on the passage of round goby (<i>Neogobius melanostomus</i>), gudgeon (<i>Gobio gobio</i>) and bullhead (<i>Cottus gobio</i>) in a vertical slot fish pass.	0
17	Fish swimming styles: overview. 2022 ,	0
16	Spatial ecology of translocated American Eel (<i>Anguilla rostrata</i>) in a large freshwater lake. 2023 , 11,	0

- 15 MOVEMENT BEHAVIOUR AND FISHWAY PERFORMANCE FOR ENDEMIC AND EXOTIC SPECIES IN A LARGE ANTHROPIZED RIVER. **2023**, 126061 ○
- 14 Evaluation of a Nature-like Bypass for Non-Salmonids in the Sesan River. **2023**, 15, 421 ○
- 13 Novel operational index reveals rapid recovery of genetic connectivity in freshwater fish species after riverine restoration. ○
- 12 Evaluation of Hydraulics and Downstream Fish Migration at Run-of-River Hydropower Plants with Horizontal Bar Rack Bypass Systems by Using CFD. **2023**, 15, 1042 ○
- 11 Individual based models for the simulation of fish movement near barriers: Current work and future directions. **2023**, 335, 117538 ○
- 10 The biology of fish migration. **2022**, ○
- 9 Fish Use of a Borland-Type Fish Lock in an Iberian River. **2023**, 15, 178 ○
- 8 No difference between critical and sprint swimming speeds for two galaxiid species. ○
- 7 Research Progress on Fish Barrier Measures. **2023**, 1195-1208 ○
- 6 Towards vibrant fish populations and sustainable fisheries that benefit all: learning from the last 30 years to inform the next 30 years. ○
- 5 Differences in the Natural Swimming Behavior of *Schizothorax prenanti* Individual and Schooling in Spatially Heterogeneous Turbulent Flows. **2023**, 13, 1025 ○
- 4 Design of a bilateral-symmetric multi-slot fishway and its comparison with vertical slot fishway in terms of hydraulic properties. ○
- 3 Survival and swimming performance of a small-sized Cypriniformes (&em&t;Telestes muticellus&/em&t;) tagged with passive integrated transponders. 82, ○
- 2 Megadroughts Pose Mega-Risk to Native Fishes of the American Southwest. ○
- 1 Flow hydrodynamics drive effective fish attraction behaviour into slotted fishway entrances. ○