

Lee Baumgartner

List of Publications by Year in descending order

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94
papers

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304701

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#	ARTICLE	IF	CITATIONS
1	Diadromy in a large tropical river, the Mekong: more common than assumed, with greater implications for management. <i>Journal of Ecohydraulics</i> , 2023, 8, 38-50.	3.1	8
2	Dispersal of fish eggs and larvae in a cascade of small hydropower plants with fish ladders. <i>Hydrobiologia</i> , 2022, 849, 339-356.	2.0	7
3	Contrasting natal origin and movement history informs recovery pathways for three lowland river species following a mass fish kill. <i>Marine and Freshwater Research</i> , 2022, 73, 237-246.	1.3	11
4	Assessment of the causes and solutions to the significant 2018-19 fish deaths in the Lower Darling River, New South Wales, Australia. <i>Marine and Freshwater Research</i> , 2022, 73, 147-158.	1.3	16
5	Mass fish kills catalyse improved water and fisheries management. <i>Marine and Freshwater Research</i> , 2022, 73, i-iii.	1.3	2
6	Life history strategies of Mekong pangasiid catfishes revealed by otolith microchemistry. <i>Fisheries Research</i> , 2022, 249, 106239.	1.7	11
7	Optimizing efforts to restore aquatic ecosystem connectivity requires thinking beyond large dams. <i>Environmental Research Letters</i> , 2022, 17, 014008.	5.2	16
8	Survival estimates across five life stages of redfin (<i>Perca fluviatilis</i>) exposed to simulated pumped-storage hydropower stressors. , 2022, 10, coac017.		4
9	Diverse migration tactics of fishes within the large tropical Mekong River system. <i>Fisheries Management and Ecology</i> , 2022, 29, 708-723.	2.0	8
10	Achieving fish passage outcomes at irrigation infrastructure; a case study from the Lower Mekong Basin. <i>Aquaculture and Fisheries</i> , 2021, 6, 113-124.	2.2	17
11	Evaluating the Ecological Benefits of Management Actions to Complement Environmental Flows in River Systems. <i>Environmental Management</i> , 2021, 67, 277-290.	2.7	3
12	Priority knowledge needs for management of migratory fish species in Cambodia. <i>Fisheries Management and Ecology</i> , 2021, 28, 393-416.	2.0	8
13	Assessing Temporal Patterns and Species Composition of Glass Eel (<i>Anguilla</i> spp.) Cohorts in Sumatra and Java Using DNA Barcodes. <i>Diversity</i> , 2021, 13, 193.	1.7	2
14	Native fish losses due to water extraction in Australian rivers: Evidence, impacts and a solution in modern fish- and farm-friendly screens. <i>Ecological Management and Restoration</i> , 2021, 22, 134-144.	1.5	15
15	Fish for whom?: Integrating the management of social complexities into technical investments for inclusive, multi-functional irrigation. <i>World Development Perspectives</i> , 2021, 22, 100318.	2.0	2
16	Variability in water chemistry in the Lower Mekong Basin: Considerations for fish life history reconstruction. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 255, 107355.	2.1	6
17	Population demographics of golden perch (<i>Macquaria ambigua</i>) in the Darling River prior to a major fish kill: a guide for rehabilitation. <i>Marine and Freshwater Research</i> , 2021, , .	1.3	6
18	Editorial: Balancing Hydropower and Freshwater Environments in the Global South. <i>Frontiers in Environmental Science</i> , 2021, 9, .	3.3	0

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19	Ten complementary measures to assist with environmental watering programs in the Murrayâ€“Darling river system, Australia. <i>River Research and Applications</i> , 2020, 36, 645-655.	1.7	19
20	A compendium of ecological knowledge for restoration of freshwater fishes in Australia. <i>Marine and Freshwater Research</i> , 2020, 71, 1391.	1.3	28
21	Mortality events resulting from Australia's catastrophic fires threaten aquatic biota. <i>Global Change Biology</i> , 2020, 26, 5345-5350.	9.5	24
22	Simulation of different fishery regulations to prevent population decline in a large freshwater invertebrate, the Murray crayfish (<i>Euastacus armatus</i>). <i>Marine and Freshwater Research</i> , 2020, 71, 962.	1.3	5
23	Size, growth and mortality of riverine golden perch (<i>Macquaria ambigua</i>) across a latitudinal gradient. <i>Marine and Freshwater Research</i> , 2020, 71, 1651.	1.3	9
24	Morphological predictors of swimming speed performance in river and reservoir populations of Australian smelt <i>Retropinna semoni</i> . <i>Journal of Fish Biology</i> , 2020, 97, 1632-1643.	1.6	7
25	Hypoxic conditions interrupt floodâ€“response movements of three lowland river fish species: Implications for flow restoration in modified landscapes. <i>Ecohydrology</i> , 2020, 13, e2197.	2.4	11
26	A Cone Fishway Facilitates Lateral Migrations of Tropical River-Floodplain Fish Communities. <i>Water (Switzerland)</i> , 2020, 12, 513.	2.7	4
27	What is needed to restore native fishes in Australiaâ€™s Murrayâ€“Darling Basin?. <i>Marine and Freshwater Research</i> , 2020, 71, 1464.	1.3	9
28	<i>Gambusia holbrooki</i> Survive Shear Stress, Pressurization and Avoid Blade Strike in a Simulated Pumped Hydroelectric Scheme. <i>Frontiers in Environmental Science</i> , 2020, 8, .	3.3	4
29	One Hundred Pressing Questions on the Future of Global Fish Migration Science, Conservation, and Policy. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	2.2	66
30	A cautionary tale about the potential impacts of gated culverts on fish passage restoration efforts. <i>Journal of Ecohydraulics</i> , 2019, 4, 27-42.	3.1	6
31	Migratory fishes in Myanmar rivers and wetlands: challenges for sustainable development between irrigation water control infrastructure and sustainable inland capture fisheries. <i>Marine and Freshwater Research</i> , 2019, 70, 1241.	1.3	12
32	Sequential fishways reconnect a coastal river reflecting restored migratory pathways for an entire fish community. <i>Restoration Ecology</i> , 2019, 27, 399-407.	2.9	10
33	Irrigation, fisheries and Sustainable Development Goals: the importance of working collaboratively to end world hunger and malnutrition. <i>Marine and Freshwater Research</i> , 2019, 70, i.	1.3	4
34	Speaking the same language: can the sustainable development goals translate the needs of inland fisheries into irrigation decisions?. <i>Marine and Freshwater Research</i> , 2019, 70, 1211.	1.3	20
35	Challenges balancing fisheries resource management and river development in Indonesia. <i>Marine and Freshwater Research</i> , 2019, 70, 1265.	1.3	2
36	Global advances in fish passage research and practice. <i>Journal of Ecohydraulics</i> , 2019, 4, 2-3.	3.1	2

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37	Local perceptions of changes in the use and management of floodplain fisheries commons: the case of Pak Peung wetland in Lao PDR. <i>Environment, Development and Sustainability</i> , 2019, 21, 1835-1852.	5.0	12
38	Tolerable ranges of fluid shear for early life-stage fishes: implications for safe fish passage at hydropower and irrigation infrastructure. <i>Marine and Freshwater Research</i> , 2019, 70, 1503.	1.3	11
39	Estimating benefits and costs: a case of fish passages in Lao PDR and the development of the Lower Mekong Fishway Support Tool. <i>Marine and Freshwater Research</i> , 2019, 70, 1284.	1.3	8
40	Evaluation of a fish-friendly self-cleaning horizontal irrigation screen using autonomous sensors. <i>Marine and Freshwater Research</i> , 2019, 70, 1274.	1.3	4
41	Flexible and non-invasive passive integrated transponder (PIT) tagging protocols for tropical freshwater fish species. <i>MethodsX</i> , 2018, 5, 299-303.	1.6	5
42	FishNet: Probabilistic models for fishway planning, design and monitoring to support environmentally sustainable hydropower. <i>Fish and Fisheries</i> , 2018, 19, 677-697.	5.3	18
43	Adaptive Management of Environmental Flows: Using Irrigation Infrastructure to Deliver Environmental Benefits During a Large Hypoxic Blackwater Event in the Southern Murray-Darling Basin, Australia. <i>Environmental Management</i> , 2018, 61, 469-480.	2.7	21
44	Evaluating the placement of PIT tags in tropical river fishes: a case study involving two Mekong River species. <i>Fisheries Research</i> , 2018, 200, 43-48.	1.7	8
45	The future of fish passage science, engineering, and practice. <i>Fish and Fisheries</i> , 2018, 19, 340-362.	5.3	326
46	Abiotic drivers of activity in a large, free-ranging, freshwater teleost, Murray cod (<i>Maccullochella</i>) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 3	2.5	15
47	Injury and mortality of two Mekong River species exposed to turbulent shear forces. <i>Marine and Freshwater Research</i> , 2018, 69, 1945.	1.3	12
48	Addressing fish-passage issues at hydropower and irrigation infrastructure projects in Indonesia. <i>Marine and Freshwater Research</i> , 2018, 69, 1805.	1.3	11
49	Using Strategic Adaptive Management to Facilitate Implementation of Environmental Flow Programs in Complex Social-Ecological Systems. <i>Environmental Management</i> , 2018, 62, 955-967.	2.7	12
50	Comparing fishway designs for application in a large tropical river system. <i>Ecological Engineering</i> , 2018, 120, 36-43.	3.6	14
51	Upper Carpathian River (Danube watershed) fish populations fragmentation – technical rehabilitation proposal. <i>Transylvanian Review of Systematical and Ecological Research</i> , 2018, 20, 69-86.	0.1	3
52	Hydropower development and fish management: a food-water-energy nexus requiring international and multidisciplinary approach. <i>Marine and Freshwater Research</i> , 2018, 69, i.	1.3	1
53	Technical Solutions to Mitigate Shifting Fish Fauna Zones Impacted by Long Term Habitat Degradation in the Bistra Măfrui River – Study Case. <i>Transylvanian Review of Systematical and Ecological Research</i> , 2018, 20, 75-114.	0.1	1
54	High fluid shear strain causes injury in silver shark: Preliminary implications for Mekong hydropower turbine design. <i>Fisheries Management and Ecology</i> , 2017, 24, 193-198.	2.0	11

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55	Low light inhibits native fish movement through a vertical slot fishway: Implications for engineering design. <i>Fisheries Management and Ecology</i> , 2017, 24, 177-185.	2.0	13
56	Confronting the risks of large-scale invasive species control. <i>Nature Ecology and Evolution</i> , 2017, 1, 172.	7.8	71
57	Recovery from a fish kill in a semi-arid Australian river: Can stocking augment natural recruitment processes?. <i>Austral Ecology</i> , 2017, 42, 218-226.	1.5	26
58	Managing native fish communities during a long-term drought. <i>Ecohydrology</i> , 2017, 10, e1820.	2.4	4
59	Mitigating the effects of barriers to freshwater fish migrations: the Australian experience. <i>Marine and Freshwater Research</i> , 2017, 68, 614.	1.3	66
60	Lower Mekong Fish Passage Conference: Applying innovation to secure fisheries productivity. <i>Ecological Management and Restoration</i> , 2017, 18, E8.	1.5	7
61	A piecewise regression approach for determining biologically relevant hydraulic thresholds for the protection of fishes at river infrastructure. <i>Journal of Fish Biology</i> , 2016, 88, 1677-1692.	1.6	28
62	Using otolith microchemistry to differentiate between stocked and unstocked Australian bass (<i>Perca latipes</i>). <i>Fisheries Research</i> , 2016, 183, 86-91.	1.7	3
63	How low can they go when going with the flow? Tolerance of egg and larval fishes to rapid decompression. <i>Biology Open</i> , 2016, 5, 786-793.	1.2	26
64	Contribution of stocked fish to riverine populations of golden perch (<i>Macquaria ambigua</i>) in the Murray-Darling Basin, Australia. <i>Marine and Freshwater Research</i> , 2016, 67, 1401.	1.3	22
65	Assessment of stocking effectiveness for Murray cod (<i>Maccullochella peelii</i>) and golden perch (<i>Macquaria ambigua</i>) in rivers and impoundments of south-eastern Australia. <i>Marine and Freshwater Research</i> , 2016, 67, 1410.	1.3	29
66	Adaptive management in action: using chemical marking to advance fish recovery programs in the Murray-Darling Basin. <i>Marine and Freshwater Research</i> , 2016, 67, i.	1.3	3
67	Recreational Fishing Effort, Catch, and Harvest for Murray Cod and Golden Perch in the Murrumbidgee River, Australia. <i>North American Journal of Fisheries Management</i> , 2015, 35, 649-658.	1.0	17
68	System-specific Variability in Murray Cod and Golden Perch Maturation and Growth Influences Fisheries Management Options. <i>North American Journal of Fisheries Management</i> , 2015, 35, 1226-1238.	1.0	10
69	Fish passage in the Murray-Darling Basin, Australia: Not just an upstream battle. <i>Ecological Management and Restoration</i> , 2014, 15, 28-39.	1.5	78
70	Understanding Barotrauma in Fish Passing Hydro Structures: A Global Strategy for Sustainable Development of Water Resources. <i>Fisheries</i> , 2014, 39, 108-122.	0.8	85
71	Using flow guilds of freshwater fish in an adaptive management framework to simplify environmental flow delivery for semi-arid riverine systems. <i>Fish and Fisheries</i> , 2014, 15, 410-427.	5.3	69
72	Perspective: Towards environmentally acceptable criteria for downstream fish passage through mini hydro and irrigation infrastructure in the Lower Mekong River Basin. <i>Journal of Renewable and Sustainable Energy</i> , 2014, 6, .	2.0	23

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73	Entrainment and impingement of juvenile silver perch, <i>Bidyanus bidyanus</i> , and golden perch, <i>Macquaria ambigua</i> , at a fish screen: effect of velocity and light. <i>Fisheries Management and Ecology</i> , 2013, 20, 362-373.	2.0	15
74	Density-Dependent Energy Use Contributes to the Self-Thinning Relationship of Cohorts. <i>American Naturalist</i> , 2013, 181, 331-343.	2.1	8
75	Vulnerability of larval and juvenile white sturgeon to barotrauma: can they handle the pressure?. , 2013, 1, cot019-cot019.		20
76	Influence of Approach Velocity and Mesh Size on the Entrainment and Contact of a Lowland River Fish Assemblage at a Screened Irrigation Pump. <i>PLoS ONE</i> , 2013, 8, e67026.	2.5	17
77	Mini hydro development workshop: developing sustainable solutions for native fish. <i>Ecological Management and Restoration</i> , 2012, 13, e14.	1.5	4
78	USING AN EXPERIMENTAL <i>IN SITU</i> FISHWAY TO PROVIDE KEY DESIGN CRITERIA FOR LATERAL FISH PASSAGE IN TROPICAL RIVERS: A CASE STUDY FROM THE MEKONG RIVER, CENTRAL LAO PDR. <i>River Research and Applications</i> , 2012, 28, 1217-1229.	1.7	29
79	Influence of turbidity and passage rate on the efficiency of an infrared counter to enumerate and measure riverine fish. <i>Journal of Applied Ichthyology</i> , 2012, 28, 531-536.	0.7	10
80	Estimating the stocking potential of fish in impoundments by modelling supply and steady-state demand. <i>Freshwater Biology</i> , 2012, 57, 1482-1499.	2.4	18
81	Critical Thermal Minima of age-0 Australian bass, <i>Macquaria novemaculeata</i> , fingerlings: implications for stocking programmes. <i>Fisheries Management and Ecology</i> , 2012, 19, 344-351.	2.0	5
82	Reducing the perversion of diversion: Applying world-standard fish screening practices to the Murray-Darling Basin. <i>Ecological Management and Restoration</i> , 2012, 13, 135-143.	1.5	19
83	Optimising chemical marking techniques for Australian bass, <i>Macquaria novemaculeata</i> , fry and fingerlings prior to restocking. <i>Australian Journal of Zoology</i> , 2011, 59, 242.	1.0	9
84	Generalist niche, specialist strategy: the diet of an Australian percichthyid. <i>Journal of Fish Biology</i> , 2011, 78, 1183-1199.	1.6	28
85	Distribution and movement of a stocked freshwater fish: implications of a variable habitat volume for stocking programs. <i>Marine and Freshwater Research</i> , 2011, 62, 1342.	1.3	12
86	Evaluating migratory fish behaviour and fishway performance: testing a combined assessment methodology. <i>Australian Journal of Zoology</i> , 2010, 58, 154.	1.0	25
87	Effects of irrigation pumps on riverine fish. <i>Fisheries Management and Ecology</i> , 2009, 16, 429-437.	2.0	43
88	Determining diel variation in fish assemblages downstream of three weirs in a regulated lowland river. <i>Journal of Fish Biology</i> , 2008, 72, 218-232.	1.6	33
89	Lock gates improve passage of small-bodied fish and crustaceans in a low gradient vertical-slot fishway. <i>Fisheries Management and Ecology</i> , 2008, 15, 241-248.	2.0	18
90	Can a low-gradient vertical-slot fishway provide passage for a lowland river fish community?. <i>Marine and Freshwater Research</i> , 2008, 59, 332.	1.3	65

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91	Passage of non-salmonid fish through a Deelder lock on a lowland river. <i>River Research and Applications</i> , 2007, 23, 1058-1069.	1.7	45
92	Diet and feeding habits of predatory fishes upstream and downstream of a low-level weir. <i>Journal of Fish Biology</i> , 2007, 70, 879-894.	1.6	50
93	Mortality of larval Murray cod (<i>Maccullochella peelii peelii</i>) and golden perch (<i>Macquaria ambigua</i>) associated with passage through two types of low-head weirs. <i>Marine and Freshwater Research</i> , 2006, 57, 187.	1.3	50
94	Population estimation methods to quantify temporal variation in fish accumulations downstream of a weir. <i>Fisheries Management and Ecology</i> , 2006, 13, 355-364.	2.0	14