

# Atle Harby

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

1,034  
citations

516710

16  
h-index

454955

30  
g-index

43  
all docs

43  
docs citations

43  
times ranked

1145  
citing authors

#	ARTICLE	IF	CITATIONS
1	Greenhouse Gas Emissions from Freshwater Reservoirs: What Does the Atmosphere See?. <i>Ecosystems</i> , 2018, 21, 1058-1071.	3.4	145
2	AVAILABILITY OF MICROHABITATS AND THEIR USE BY BROWN TROUT ( <i>SALMO TRUTTA</i> ) AND GRAYLING ( <i>THYMALLUS THYMALLUS</i> ) IN THE RIVER VOJMÅ, «N, SWEDEN. <i>River Research and Applications</i> , 1996, 12, 287-303.	0.8	82
3	Hydraulic habitat modelling for setting environmental river flow needs for salmonids. <i>Fisheries Management and Ecology</i> , 2012, 19, 500-517.	2.0	76
4	Development of Small Versus Large Hydropower in Norway – Comparison of Environmental Impacts. <i>Energy Procedia</i> , 2012, 20, 185-199.	1.8	69
5	Water consumption from hydropower plants – review of published estimates and an assessment of the concept. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 3983-4000.	4.9	68
6	Seasonal Response of Juvenile Atlantic Salmon to Experimental Hydropeaking Power Generation in Newfoundland, Canada. <i>North American Journal of Fisheries Management</i> , 2005, 25, 964-974.	1.0	66
7	Gross CO <sub>2</sub> and CH <sub>4</sub> emissions from the Nam Ngum and Nam Leuk sub-tropical reservoirs in Lao PDR. <i>Science of the Total Environment</i> , 2011, 409, 5382-5391.	8.0	65
8	Assessing the energy potential of modernizing the European hydropower fleet. <i>Energy Conversion and Management</i> , 2021, 246, 114655.	9.2	48
9	Does ice matter? Site fidelity and movements by Atlantic salmon ( <i>Salmo salar</i> L.) parr during winter in a substrate enhanced river reach. <i>River Research and Applications</i> , 2009, 25, 773-787.	1.7	45
10	A Meso-scale Habitat Classification Method for Production Modelling of Atlantic Salmon in Norway. <i>Hydroecologie Appliquee</i> , 2004, 14, 119-138.	1.3	45
11	Move or stay: habitat use and movements by Atlantic salmon parr ( <i>Salmo salar</i> ) during induced rapid flow variations. <i>Hydrobiologia</i> , 2017, 785, 261-275.	2.0	33
12	Mid-winter activity and movement of Atlantic salmon parr during ice formation events in a Norwegian regulated river. <i>Hydrobiologia</i> , 2007, 582, 81-89.	2.0	29
13	A new modelling framework to assess biogenic GHG emissions from reservoirs: The G-res tool. <i>Environmental Modelling and Software</i> , 2021, 143, 105117.	4.5	24
14	A comparison of methods for the measurement of CO <sub>2</sub> and CH <sub>4</sub> emissions from surface water reservoirs: Results from an international workshop held at Three Gorges Dam, June 2012. <i>Limnology and Oceanography: Methods</i> , 2015, 13, 15-29.	2.0	23
15	A mesohabitat method used to assess minimum flow changes and impacts on the invertebrate and fish fauna in the Rhône River, France. <i>River Research and Applications</i> , 2007, 23, 525-543.	1.7	19
16	Field sampling design and spatial scale in habitat hydraulic modelling: comparison of three models. <i>Fisheries Management and Ecology</i> , 1998, 5, 225-240.	2.0	18
17	Evaluating Cost Trade-Offs between Hydropower and Fish Passage Mitigation. <i>Sustainability</i> , 2020, 12, 8520.	3.2	17
18	The net GHG emissions of the China Three Gorges Reservoir: I. Pre-impoundment GHG inventories and carbon balance. <i>Journal of Cleaner Production</i> , 2020, 256, 120635.	9.3	16

#	ARTICLE	IF	CITATIONS
19	Classification of hydropeaking impacts on Atlantic salmon populations in regulated rivers. <i>River Research and Applications</i> , 2023, 39, 313-325.	1.7	14
20	Advancing ecohydraulics and ecohydrology by clarifying the role of their component interdisciplines. <i>Journal of Ecohydraulics</i> , 2019, 4, 172-187.	3.1	10
21	From Microhabitat Ecohydraulics to an Improved Management of River Catchments: Bridging the gap Between Scales. <i>River Research and Applications</i> , 2017, 33, 189-191.	1.7	9
22	The net GHG emissions of the Three Gorges Reservoir in China: II. Post-impoundment GHG inventories and full-scale synthesis. <i>Journal of Cleaner Production</i> , 2020, 277, 123961.	9.3	6
23	Application of habitat modelling in river rehabilitation and artificial habitat design. <i>Hydroecologie Appliquee</i> , 2004, 14, 105-117.	1.3	6
24	Water Allocation With Use of the Building Block Methodology (BBM) in the Godavari Basin, India. <i>Journal of Sustainable Development</i> , 2013, 6, .	0.3	5
25	Introducing HyPeak: An international network on hydropeaking research, practice, and policy. <i>River Research and Applications</i> , 2023, 39, 283-291.	1.7	4
26	Regionalized Linear Models for River Depth Retrieval Using 3-Band Multispectral Imagery and Green LIDAR Data. <i>Remote Sensing</i> , 2021, 13, 3897.	4.0	2
27	European aquatic modelling network. <i>River Research and Applications</i> , 2007, 23, 467-468.	1.7	1
28	Socio-environmental integration of hydropower facilities. <i>Houille Blanche</i> , 2017, 103, 5-8.	0.3	1
29	Hydropower Reservoirsâ€™ Benefits and Challenges. , 2021, , .		1
30	Hydropower in Evolving Electricity Markets. , 2022, , 176-185.		1
31	Hydropeaking Impact Assessment for Iberian Cyprinids: Hydropeaking Tool Adaptation. , 2022, , 135-145.		1