

# Henriette I Jager

## List of Publications by Year in descending order

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75  
papers

2,057  
citations

304743

22  
h-index

265206

42  
g-index

78  
all docs

78  
docs citations

78  
times ranked

2559  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sustainable reservoir operation: can we generate hydropower and preserve ecosystem values?. River Research and Applications, 2008, 24, 340-352.	1.7	209
2	Research in Thermal Biology: Burning Questions for Coldwater Stream Fishes. Reviews in Fisheries Science, 2009, 17, 90-115.	2.1	187
3	Indicators to support environmental sustainability of bioenergy systems. Ecological Indicators, 2011, 11, 1277-1289.	6.3	186
4	A Theoretical Study of River Fragmentation by Dams and its Effects on White Sturgeon Populations. Environmental Biology of Fishes, 2001, 60, 347-361.	1.0	158
5	Spatial design principles for sustainable hydropower development in river basins. Renewable and Sustainable Energy Reviews, 2015, 45, 808-816.	16.4	69
6	Designing Instream Flows to Satisfy Fish and Human Water Needs. Journal of Water Resources Planning and Management - ASCE, 1996, 122, 356-363.	2.6	66
7	Empirical geographic modeling of switchgrass yields in the United States. GCB Bioenergy, 2010, 2, 248-257.	5.6	63
8	Designing Optimal Flow Patterns for Fall Chinook Salmon in a Central Valley, California, River. North American Journal of Fisheries Management, 2003, 23, 1-21.	1.0	45
9	Modelling the linkages between flow management and salmon recruitment in rivers. Ecological Modelling, 1997, 103, 171-191.	2.5	43
10	A framework for predicting impacts on ecosystem services from (sub)organismal responses to chemicals. Environmental Toxicology and Chemistry, 2017, 36, 845-859.	4.3	40
11	Reconnecting Fragmented Sturgeon Populations in North American Rivers. Fisheries, 2016, 41, 140-148.	0.8	38
12	Land use for bioenergy: Synergies and trade-offs between sustainable development goals. Renewable and Sustainable Energy Reviews, 2022, 161, 112409.	16.4	38
13	How Run-of-River Operation Affects Hydropower Generation and Value. Environmental Management, 2007, 40, 1004-1015.	2.7	37
14	Individual variation in life history characteristics can influence extinction risk. Ecological Modelling, 2001, 144, 61-76.	2.5	36
15	Chutes and ladders and other games we play with rivers. I. Simulated effects of upstream passage on white sturgeon. Canadian Journal of Fisheries and Aquatic Sciences, 2006, 63, 165-175.	1.4	36
16	Spatial Uncertainty and Ecological Models. Ecosystems, 2004, 7, 841-847.	3.4	35
17	Influences of nitrogen fertilization and climate regime on the above-ground biomass yields of miscanthus and switchgrass: A meta-analysis. Renewable and Sustainable Energy Reviews, 2019, 108, 303-311.	16.4	31
18	Effects of climatic temperature change on growth, survival, and reproduction of rainbow trout: predictions from a simulation model. Canadian Journal of Fisheries and Aquatic Sciences, 1997, 54, 2526-2542.	1.4	28

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19	Resilience of terrestrial and aquatic fauna to historical and future wildfire regimes in western North America. <i>Ecology and Evolution</i> , 2021, 11, 12259-12284.	1.9	27
20	Ecological risk assessment in a large riverâ€‘reservoir: 2. Fish community. <i>Environmental Toxicology and Chemistry</i> , 1999, 18, 589-598.	4.3	26
21	Forecasting changes in water quality in rivers associated with growing biofuels in the Arkansasâ€‘Whiteâ€‘Red river drainage, <scp>USA</scp>. <i>GCB Bioenergy</i> , 2015, 7, 774-784.	5.6	24
22	Modeling white sturgeon movement in a reservoir: the effect of water quality and sturgeon density. <i>Ecological Modelling</i> , 2003, 167, 97-114.	2.5	23
23	Life history correlates and extinction risk of capital-breeding fishes. <i>Hydrobiologia</i> , 2008, 602, 15-25.	2.0	23
24	Commonalities in stream connectivity restoration alternatives: an attempt to simplify barrier removal optimization. <i>Ecosphere</i> , 2019, 10, e02596.	2.2	23
25	Predicting impacts of chemicals from organisms to ecosystem service delivery: A case study of endocrine disruptor effects on trout. <i>Science of the Total Environment</i> , 2019, 649, 949-959.	8.0	23
26	Increased nitrogen use efficiency in crop production can provide economic and environmental benefits. <i>Science of the Total Environment</i> , 2021, 758, 143602.	8.0	23
27	Better management practices for environmentally sustainable production of microalgae and algal biofuels. <i>Journal of Cleaner Production</i> , 2021, 289, 125150.	9.3	22
28	Simulated effects of habitat loss and fragmentation on a solitary mustelid predator. <i>Ecological Modelling</i> , 2006, 191, 416-430.	2.5	21
29	Thinking outside the channel: Timing pulse flows to benefit salmon via indirect pathways. <i>Ecological Modelling</i> , 2014, 273, 117-127.	2.5	21
30	Genetic and demographic implications of aquaculture in white sturgeon ( <i>Acipenser transmontanus</i> ) conservation. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2005, 62, 1733-1745.	1.4	20
31	Spatial uncertainty analysis of population models. <i>Ecological Modelling</i> , 2005, 185, 13-27.	2.5	19
32	Knitting while Australia burns. <i>Nature Climate Change</i> , 2020, 10, 170-170.	18.8	19
33	ECOLOGICAL RISK ASSESSMENT IN A LARGE RIVERâ€‘RESERVOIR: 2. FISH COMMUNITY. <i>Environmental Toxicology and Chemistry</i> , 1999, 18, 589.	4.3	19
34	Renewable energy and biological conservation in a changing world. <i>Biological Conservation</i> , 2021, 263, 109354.	4.1	19
35	Organizing Environmental Flow Frameworks to Meet Hydropower Mitigation Needs. <i>Environmental Management</i> , 2016, 58, 365-385.	2.7	18
36	Predicting impacts of chemicals from organisms to ecosystem service delivery: A case study of insecticide impacts on a freshwater lake. <i>Science of the Total Environment</i> , 2019, 682, 426-436.	8.0	17

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37	Global Biodiversity Implications of Alternative Electrification Strategies Under the Shared Socioeconomic Pathways. <i>Biological Conservation</i> , 2021, 260, 109234.	4.1	17
38	Cokriging to assess regional stream quality in the Southern Blue Ridge Province. <i>Water Resources Research</i> , 1990, 26, 1401-1412.	4.2	16
39	The confluences of ideas leading to, and the flow of ideas emerging from, individual-based modeling of riverine fishes. <i>Ecological Modelling</i> , 2018, 384, 341-352.	2.5	16
40	Detecting population environmental interactions with mismatched time series data. <i>Ecology</i> , 2017, 98, 2813-2822.	3.2	15
41	Designing bioenergy landscapes to protect water quality. <i>Biomass and Bioenergy</i> , 2019, 128, 105327.	5.7	15
42	Chutes and ladders and other games we play with rivers. II. Simulated effects of translocation on white sturgeon. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2006, 63, 176-185.	1.4	14
43	Falling Behind: Delayed Growth Explains Life History Variation in Snake River Fall Chinook Salmon. <i>Transactions of the American Fisheries Society</i> , 2011, 140, 959-972.	1.4	14
44	Population viability analysis of white sturgeon and other riverine fishes. <i>Environmental Science and Policy</i> , 2000, 3, 483-489.	4.9	13
45	Can upstream biofuel production increase the flow of downstream ecosystem goods and services?. <i>Biomass and Bioenergy</i> , 2018, 114, 125-131.	5.7	13
46	Hydrologic and water quality responses to biomass production in the Tennessee river basin. <i>GCB Bioenergy</i> , 2018, 10, 877-893.	5.6	13
47	A Framework for Developing Management Goals for Species at Risk with Examples from Military Installations in the United States. <i>Environmental Management</i> , 2009, 44, 1163-1179.	2.7	12
48	Upper Midwest. , 1991, , 421-466.		11
49	Unnatural landscapes in ecology: generating the spatial distribution of brine spills. <i>Environmetrics</i> , 2005, 16, 687-698.	1.4	10
50	The Elusive Minimum Viable Population Size for White Sturgeon. <i>Transactions of the American Fisheries Society</i> , 2010, 139, 1551-1565.	1.4	10
51	A simulation experiment to investigate food web polarization. <i>Ecological Modelling</i> , 1988, 41, 101-116.	2.5	9
52	Landscape Influences on Headwater Streams on Fort Stewart, Georgia, USA. <i>Environmental Management</i> , 2011, 48, 795-807.	2.7	9
53	A Population Model to Assess Influences on the Viability of the Shortnose Sturgeon Population in the Ogeechee River, Georgia. <i>Transactions of the American Fisheries Society</i> , 2013, 142, 731-746.	1.4	8
54	Avoiding Conflicts between Future Freshwater Algae Production and Water Scarcity in the United States at the Energy-Water Nexus. <i>Water (Switzerland)</i> , 2019, 11, 836.	2.7	8

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55	Regulation of energy acquisition and allocation to respiration, growth and reproduction: simulation model and example using rainbow trout. , 1997, , 103-137.		8
56	Debate: Can Bioenergy Be Produced in a Sustainable Manner That Protects Biodiversity and Avoids the Risk of Invaders?. Bulletin of the Ecological Society of America, 2013, 94, 277-290.	0.2	7
57	Unnatural hypoxic regimes. Ecosphere, 2018, 9, e02408.	2.2	7
58	Perennials in Flood-Prone Areas of Agricultural Landscapes: A Climate Adaptation Strategy. BioScience, 2020, 70, 278-280.	4.9	7
59	Getting lost tracking the carbon footprint of hydropower. Renewable and Sustainable Energy Reviews, 2022, 162, 112408.	16.4	7
60	Will future climate change increase the risk of violating minimum flow and maximum temperature thresholds below dams in the Pacific Northwest?. Climate Risk Management, 2018, 21, 69-84.	3.2	6
61	Growing grasses in unprofitable areas of US Midwest croplands could increase species richness. Biological Conservation, 2021, 261, 109289.	4.1	6
62	Modeling Regional Variation in Riverine Fish Biodiversity in the Arkansasâ€“Whiteâ€“Red River Basin. Transactions of the American Fisheries Society, 2011, 140, 1227-1239.	1.4	5
63	Comment on â€œCumulative biophysical impact of small and large hydropower development in Nu River, Chinaâ€“by Kelly M. Kibler and Desiree D. Tullios. Water Resources Research, 2014, 50, 758-759.	4.2	5
64	Risk and resilience in an uncertain world. Frontiers in Ecology and the Environment, 2018, 16, 3-3.	4.0	5
65	Designing landscapes for biomass production and wildlife. Global Ecology and Conservation, 2018, 16, e00490.	2.1	5
66	Life history correlates and extinction risk of capital-breeding fishes. , 2008, , 15-25.		5
67	Shifts in hydropower operation to balance wind and solar will modify effects on aquatic biota. , 2022, 1, 100060.		5
68	A Call for Collaboration among Water Quality and Fisheries Professionals. Fisheries, 2020, 45, 157-162.	0.8	4
69	Ecosystem service benefits to water users from perennial biomass production. Science of the Total Environment, 2022, 834, 155255.	8.0	4
70	Comment: Testing the Independence of Microhabitat Preferences and Flow (Part 2). Transactions of the American Fisheries Society, 1997, 126, 537-540.	1.4	3
71	Visualizing feedstock siting in biomass production: Tradeoffs between economic and water quality objectives. Land Use Policy, 2019, 88, 104201.	5.6	2
72	Stream Biomes of the World. , 2020, , 134-151.		2

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73	<i>Quantitative Ecology: Measurement, Models, and Scaling</i> . Second Edition. By David Clayton Schneider. Amsterdam and Boston (Massachusetts): Elsevier (Academic Press). \$109.95. xv + 415 p.; ill.; index. ISBN: 978-0-12-627865-1. 2009.. <i>Quarterly Review of Biology</i> , 2012, 87, 56-57.	0.1	0
74	Webster Van Winkle, Jr., Fish Population Modeler. <i>Fisheries</i> , 2018, 43, 294-295.	0.8	0
75	An indicator-based approach to sustainable management of natural resources. , 2021, , 255-280.		0