

# S Jannicke Moe

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

3,167  
citations

236925

25  
h-index

182427

51  
g-index

68  
all docs

68  
docs citations

68  
times ranked

4530  
citing authors

#	ARTICLE	IF	CITATIONS
1	The European Water Framework Directive at the age of 10: A critical review of the achievements with recommendations for the future. <i>Science of the Total Environment</i> , 2010, 408, 4007-4019.	8.0	756
2	Impacts of multiple stressors on freshwater biota across spatial scales and ecosystems. <i>Nature Ecology and Evolution</i> , 2020, 4, 1060-1068.	7.8	336
3	Combined and interactive effects of global climate change and toxicants on populations and communities. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 49-61.	4.3	266
4	Recent advances in ecological stoichiometry: insights for population and community ecology. <i>Oikos</i> , 2005, 109, 29-39.	2.7	174
5	Bayesian belief networks as a meta-modelling tool in integrated river basin management – Pros and cons in evaluating nutrient abatement decisions under uncertainty in a Norwegian river basin. <i>Ecological Economics</i> , 2008, 66, 91-104.	5.7	146
6	Strength and uncertainty of phytoplankton metrics for assessing eutrophication impacts in lakes. <i>Hydrobiologia</i> , 2013, 704, 127-140.	2.0	125
7	Effects of multiple stressors on cyanobacteria abundance vary with lake type. <i>Global Change Biology</i> , 2018, 24, 5044-5055.	9.5	84
8	Catchment properties and the photosynthetic trait composition of freshwater plant communities. <i>Science</i> , 2019, 366, 878-881.	12.6	80
9	Climate change, cyanobacteria blooms and ecological status of lakes: A Bayesian network approach. <i>Ecological Modelling</i> , 2016, 337, 330-347.	2.5	74
10	Ecological threshold responses in European lakes and their applicability for the Water Framework Directive (WFD) implementation: synthesis of lakes results from the REBECCA project. <i>Aquatic Ecology</i> , 2008, 42, 317-334.	1.5	72
11	Simulating water quality and ecological status of Lake Vansjø, Norway, under land-use and climate change by linking process-oriented models with a Bayesian network. <i>Science of the Total Environment</i> , 2018, 621, 713-724.	8.0	69
12	A new broad typology for rivers and lakes in Europe: Development and application for large-scale environmental assessments. <i>Science of the Total Environment</i> , 2019, 697, 134043.	8.0	68
13	DENSITY-DEPENDENT COMPENSATION IN BLOWFLY POPULATIONS GIVE INDIRECTLY POSITIVE EFFECTS OF A TOXICANT. <i>Ecology</i> , 2002, 83, 1597-1603.	3.2	60
14	Macroinvertebrate indicators of lake acidification: analysis of monitoring data from UK, Norway and Sweden. <i>Aquatic Ecology</i> , 2008, 42, 293-305.	1.5	53
15	The influence of global climate change on the scientific foundations and applications of <i>Environmental Toxicology and Chemistry</i> : Introduction to a SETAC international workshop. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 13-19.	4.3	48
16	Modelling phosphorus loading and algal blooms in a Nordic agricultural catchment-lake system under changing land-use and climate. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 1588-1599.	3.5	47
17	REBECCA databases: experiences from compilation and analyses of monitoring data from 5,000 lakes in 20 European countries. <i>Aquatic Ecology</i> , 2008, 42, 183-201.	1.5	46
18	Eutrophication, recovery and temperature in Lake Mjøsa: detecting trends with monitoring data and sediment records. <i>Freshwater Biology</i> , 2012, 57, 1998-2014.	2.4	42

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19	Increased Use of Bayesian Network Models Has Improved Environmental Risk Assessments. <i>Integrated Environmental Assessment and Management</i> , 2021, 17, 53-61.	2.9	42
20	Nutrient optima and tolerances of benthic invertebrates, the effects of taxonomic resolution and testing of selected metrics in lakes using an extensive European data base. <i>Aquatic Ecology</i> , 2008, 42, 277-291.	1.5	41
21	Transcriptional Regulation in Liver and Testis Associated with Developmental and Reproductive Effects in Male Zebrafish Exposed to Natural Mixtures of Persistent Organic Pollutants (POP). <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2009, 72, 112-130.	2.3	41
22	Effects of a toxicant on population growth rates: sublethal and delayed responses in blowfly populations. <i>Functional Ecology</i> , 2001, 15, 712-721.	3.6	39
23	Integrated assessment of ecological status and misclassification of lakes: The role of uncertainty and index combination rules. <i>Ecological Indicators</i> , 2015, 48, 605-615.	6.3	31
24	Site-specific chlorophyll reference conditions for lakes in Northern and Western Europe. <i>Hydrobiologia</i> , 2009, 633, 59-66.	2.0	29
25	Global climate change and contaminants, a call to arms not yet heard?. <i>Integrated Environmental Assessment and Management</i> , 2014, 10, 483-484.	2.9	29
26	The WISER way of organising ecological data from European rivers, lakes, transitional and coastal waters. <i>Hydrobiologia</i> , 2013, 704, 11-28.	2.0	26
27	Density dependence in blowfly populations: experimental evaluation of non-parametric time-series modelling. <i>Oikos</i> , 2002, 98, 523-533.	2.7	25
28	Quantification of an Adverse Outcome Pathway Network by Bayesian Regression and Bayesian Network Modeling. <i>Integrated Environmental Assessment and Management</i> , 2021, 17, 147-164.	2.9	25
29	Climate-driven range retraction of an Arctic freshwater crustacean. <i>Freshwater Biology</i> , 2012, 57, 2591-2601.	2.4	22
30	Machine Learning Approaches for Predicting Health Risk of Cyanobacterial Blooms in Northern European Lakes. <i>Water (Switzerland)</i> , 2020, 12, 1191.	2.7	19
31	Using Bayesian network models to incorporate uncertainty in the economic analysis of pollution abatement measures under the water framework directive. <i>Water Science and Technology: Water Supply</i> , 2005, 5, 95-104.	2.1	19
32	From patterns to processes and back: analysing density-dependent responses to an abiotic stressor by statistical and mechanistic modelling. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 2133-2142.	2.6	17
33	Development of a hybrid Bayesian network model for predicting acute fish toxicity using multiple lines of evidence. <i>Environmental Modelling and Software</i> , 2020, 126, 104655.	4.5	17
34	Predicting Lake Quality for the Next Generation: Impacts of Catchment Management and Climatic Factors in a Probabilistic Model Framework. <i>Water (Switzerland)</i> , 2019, 11, 1767.	2.7	16
35	EXPLORING THE DENSITY-DEPENDENT STRUCTURE OF BLOWFLY POPULATIONS BY NONPARAMETRIC ADDITIVE MODELING. <i>Ecology</i> , 2001, 82, 2645-2658.	3.2	14
36	Assessing macroinvertebrate metrics for classifying acidified rivers across northern Europe. <i>Freshwater Biology</i> , 2010, 55, 1382-1404.	2.4	14

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37	Individual heterogeneity and early life conditions shape growth in a freshwater top predator. <i>Ecology</i> , 2018, 99, 1011-1017.	3.2	14
38	The WISER metadatabase: the key to more than 100 ecological datasets from European rivers, lakes and coastal waters. <i>Hydrobiologia</i> , 2013, 704, 29-38.	2.0	13
39	Unravelling the effect of flow regime on macroinvertebrates and benthic algae in regulated versus unregulated streams. <i>Ecohydrology</i> , 2018, 11, e1996.	2.4	13
40	A single pulse of diffuse contaminants alters the size distribution of natural phytoplankton communities. <i>Science of the Total Environment</i> , 2019, 683, 578-588.	8.0	11
41	Size- and stage- dependence in cause-specific mortality of migratory brown trout. <i>Journal of Animal Ecology</i> , 2020, 89, 2122-2133.	2.8	9
42	Development of a Bayesian network for probabilistic risk assessment of pesticides. <i>Integrated Environmental Assessment and Management</i> , 2022, 18, 1072-1087.	2.9	9
43	Seasonal forecasting of lake water quality and algal bloom risk using a continuous Gaussian Bayesian network. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 3103-3124.	4.9	9
44	Cross-taxon responses to elevated nutrients in European streams and lakes. <i>Aquatic Sciences</i> , 2014, 76, 51-60.	1.5	8
45	Effects of an aquaculture pesticide (diflubenzuron) on non-target shrimp populations: Extrapolation from laboratory experiments to the risk of population decline. <i>Ecological Modelling</i> , 2019, 413, 108833.	2.5	8
46	Using Bayesian hierarchical modelling to capture cyanobacteria dynamics in Northern European lakes. <i>Water Research</i> , 2020, 186, 116356.	11.3	8
47	Evaluation of a Bayesian Network for Strengthening the Weight of Evidence to Predict Acute Fish Toxicity from Fish Embryo Toxicity Data. <i>Integrated Environmental Assessment and Management</i> , 2020, 16, 452-460.	2.9	8
48	Resilience of Natural Phytoplankton Communities to Pulse Disturbances from Micropollutant Exposure and Vertical Mixing. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 2197-2208.	4.3	7
49	Exploring the Density-Dependent Structure of Blowfly Populations by Nonparametric Additive Modeling. <i>Ecology</i> , 2001, 82, 2645.	3.2	6
50	Life-history data on Hunder brown trout ( <i>Salmo trutta</i> ) from Lake Mjøsa, Norway. <i>Freshwater Metadata Journal</i> , 0, , 1-11.	0.0	4
51	Time series of plankton data from Lake Mjøsa, Norway. <i>Freshwater Metadata Journal</i> , 0, , 1-9.	0.0	3
52	Long-term mark-recapture and growth data for large-sized migratory brown trout ( <i>Salmo trutta</i> ) from Lake Mjøsa, Norway. <i>Biodiversity Data Journal</i> , 2020, 8, e52157.	0.8	3
53	Weight of evidence tools in the prediction of acute fish toxicity. <i>Integrated Environmental Assessment and Management</i> , 2023, 19, 1220-1234.	2.9	3
54	ECORISK2050: An Innovative Training Network for predicting the effects of global change on the emission, fate, effects, and risks of chemicals in aquatic ecosystems. <i>Open Research Europe</i> , 0, 1, 154.	2.0	3

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55	Density Dependence in Ecological Risk Assessment. , 2007, , 69-92.		2
56	Phytoplankton and other monitoring data from Lake Vansjö. Freshwater Metadata Journal, 0, , 1-8.	0.0	2
57	Pharmaceutical pollution: Prediction of environmental concentrations from national wholesales data. Open Research Europe, 0, 2, 71.	2.0	1
58	Empirical Approaches to Population-Level Ecological Risk Assessment. , 2007, , 151-177.		0
59	ECORISK2050: An Innovative Training Network for predicting the effects of global change on the emission, fate, effects, and risks of chemicals in aquatic ecosystems. Open Research Europe, 0, 1, 154.	2.0	0
60	Density-Dependent Compensation in Blowfly Populations Give Indirectly Positive Effects of a Toxicant. Ecology, 2002, 83, 1597.	3.2	0