

# Nele Schuwirth

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

1,272  
citations

361413

20  
h-index

361022

35  
g-index

39  
all docs

39  
docs citations

39  
times ranked

1887  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent trends in stream macroinvertebrates: warm-adapted and pesticide-tolerant taxa increase in richness. <i>Biology Letters</i> , 2022, 18, 20210513.	2.3	11
2	Confronting existing knowledge on ecological preferences of stream macroinvertebrates with independent biomonitoring data using a Bayesian multi-species distribution model. <i>Freshwater Science</i> , 2021, 40, 202-220.	1.8	3
3	Impact of wastewater on the microbial diversity of periphyton and its tolerance to micropollutants in an engineered flow-through channel system. <i>Water Research</i> , 2021, 203, 117486.	11.3	31
4	Bridging mechanistic conceptual models and statistical species distribution models of riverine fish. <i>Ecological Modelling</i> , 2021, 457, 109680.	2.5	2
5	Effects of site selection and taxonomic resolution on the inference of stream invertebrate responses to environmental conditions. <i>Freshwater Science</i> , 2020, 39, 415-432.	1.8	7
6	Towards an integrated surface water quality assessment: Aggregation over multiple pollutants and time. <i>Water Research</i> , 2020, 186, 116330.	11.3	9
7	Integrating uncertain prior knowledge regarding ecological preferences into multi-species distribution models: Effects of model complexity on predictive performance. <i>Ecological Modelling</i> , 2020, 420, 108956.	2.5	14
8	Identifying non-additive multi-attribute value functions based on uncertain indifference statements. <i>Omega</i> , 2019, 85, 49-67.	5.9	18
9	From individual to joint species distribution models: A comparison of model complexity and predictive performance. <i>Journal of Biogeography</i> , 2019, 46, 2260-2274.	3.0	18
10	How to make ecological models useful for environmental management. <i>Ecological Modelling</i> , 2019, 411, 108784.	2.5	108
11	Ecological assessment of river networks: From reach to catchment scale. <i>Science of the Total Environment</i> , 2019, 650, 1613-1627.	8.0	44
12	Multi-criteria decision analysis for integrated water quality assessment and management support. <i>Water Research X</i> , 2018, 1, 100010.	6.1	13
13	Integrating ecological theories and traits in process-based modeling of macroinvertebrate community dynamics in streams. <i>Ecological Applications</i> , 2017, 27, 1365-1377.	3.8	4
14	Mechanistic modelling for predicting the effects of restoration, invasion and pollution on benthic macroinvertebrate communities in rivers. <i>Freshwater Biology</i> , 2017, 62, 1083-1093.	2.4	5
15	Integrating and extending ecological river assessment: Concept and test with two restoration projects. <i>Ecological Indicators</i> , 2017, 72, 131-141.	6.3	35
16	Can integrative catchment management mitigate future water quality issues caused by climate change and socio-economic development?. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 1593-1609.	4.9	14
17	The importance of biotic interactions for the prediction of macroinvertebrate communities under multiple stressors. <i>Functional Ecology</i> , 2016, 30, 974-984.	3.6	20
18	Modeling Macroinvertebrate Community Dynamics in Stream Mesocosms Contaminated with a Pesticide. <i>Environmental Science &amp; Technology</i> , 2016, 50, 3165-3173.	10.0	21

#	ARTICLE	IF	CITATIONS
19	The conceptual foundation of environmental decision support. <i>Journal of Environmental Management</i> , 2015, 154, 316-332.	7.8	105
20	How stressor specific are trait-based ecological indices for ecosystem management?. <i>Science of the Total Environment</i> , 2015, 505, 565-572.	8.0	23
21	Tackling uncertainty in multi-criteria decision analysis – An application to water supply infrastructure planning. <i>European Journal of Operational Research</i> , 2015, 242, 243-260.	5.7	107
22	Spatial relationships between land-use, habitat, water quality and lotic macroinvertebrates in two Swiss catchments. <i>Aquatic Sciences</i> , 2014, 76, 375-392.	1.5	26
23	The effect of ambiguous prior knowledge on Bayesian model parameter inference and prediction. <i>Environmental Modelling and Software</i> , 2014, 62, 300-315.	4.5	10
24	FORUM: Ecological networks: the missing links in biomonitoring science. <i>Journal of Applied Ecology</i> , 2014, 51, 1444-1449.	4.0	92
25	The method matters: A guide for indicator aggregation in ecological assessments. <i>Ecological Indicators</i> , 2014, 45, 494-507.	6.3	108
26	How to make river assessments comparable: A demonstration for hydromorphology. <i>Ecological Indicators</i> , 2013, 32, 264-275.	6.3	37
27	Constructing, evaluating and visualizing value and utility functions for decision support. <i>Environmental Modelling and Software</i> , 2013, 46, 283-291.	4.5	44
28	Bridging the gap between theoretical ecology and real ecosystems: modeling invertebrate community composition in streams. <i>Ecology</i> , 2013, 94, 368-379.	3.2	21
29	Linking statistical bias description to multiobjective model calibration. <i>Water Resources Research</i> , 2012, 48, .	4.2	72
30	Methodological aspects of multi-criteria decision analysis for policy support: A case study on pharmaceutical removal from hospital wastewater. <i>European Journal of Operational Research</i> , 2012, 220, 472-483.	5.7	60
31	Multiple-Criteria Decision Analysis Reveals High Stakeholder Preference to Remove Pharmaceuticals from Hospital Wastewater. <i>Environmental Science &amp; Technology</i> , 2011, 45, 3848-3857.	10.0	60
32	Development of a mechanistic model (ERIMO-I) for analyzing the temporal dynamics of the benthic community of an intermittent Mediterranean stream. <i>Ecological Modelling</i> , 2011, 222, 91-104.	2.5	2
33	A generic framework for deriving process stoichiometry in environmental models. <i>Environmental Modelling and Software</i> , 2010, 25, 1241-1251.	4.5	12
34	Zn and Pb release of sphalerite (ZnS)-bearing mine waste tailings. <i>Journal of Soils and Sediments</i> , 2008, 8, 433-441.	3.0	24
35	A mechanistic model of benthos community dynamics in the River Sihl, Switzerland. <i>Freshwater Biology</i> , 2008, 53, 1372-1392.	2.4	13
36	Vertical Distribution and Speciation of Trace Metals in Weathering Flotation Residues of a Zinc/Lead Sulfide Mine. <i>Journal of Environmental Quality</i> , 2007, 36, 61-69.	2.0	41

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37	Comparability of and Alternatives to Leaching Tests for the Assessment of the Emission of Inorganic Soil Contamination (11 pp). <i>Journal of Soils and Sediments</i> , 2006, 6, 102-112.	3.0	34
38	Methods of metal release assessment in soil water at anoxic sites. <i>Clean - Soil, Air, Water</i> , 2006, 34, 579-586.	0.6	4