Sue J Nichols

List of Publications by Year
in descending order

33 papers	694 citations	566801 15 h-index	580395 25 g-index
34 all docs	34 docs citations	34 times ranked	901 citing authors

#	Article	IF	Citations
1	Analyzing cause and effect in environmental assessments: using weighted evidence from the literature. Freshwater Science, 2012, 31, 5-21.	0.9	94
2	The Biological Assessment and Rehabilitation of the Worldâ€™s Rivers: An Overview. Water (Switzerland), 2021, 13, 371.	1.2	88
3	Ecological Effects of Serial Impoundment on the Cotter River, Australia. Hydrobiologia, 2006, 572, 255-273.	1.0	47
4	Simplifying the selection of evidence synthesis methods to inform environmental decisions: A guide for decision makers and scientists. Biological Conservation, 2017, 213, 135-145.	1.9	42
5	The influence of extreme climatic events and human disturbance on macroinvertebrate community patterns of a Mediterranean stream over 15Ây. Journal of the North American Benthological Society, 2010, 29, 1397-1409.	3.0	41
6	Water quality assessment of Portuguese streams: Regional or national predictive models?. Ecological Indicators, 2009, 9, 791-806.	2.6	32
7	Ecological Responses to Flow Alteration: Assessing Causal Relationships with Eco Evidence. Wetlands, 2012, 32, 203-213.	0.7	28
8	The imperative need for nationally coordinated bioassessment of rivers and streams. Marine and Freshwater Research, 2017, 68, 599.	0.7	26
9	Creating institutional flexibility for adaptive water management: insights from two management agencies. Journal of Environmental Management, 2017, 202, 188-197.	3.8	23
10	River condition assessment may depend on the sub-sampling method: field live-sort versus laboratory sub-sampling of invertebrates for bioassessment. Hydrobiologia, 2006, 572, 195-213.	1.0	22
11	Assemblage-based biomonitoring of freshwater ecosystem health via multimetric indices: A critical review and suggestions for improving their applicability. , 2022, 1, 100054.		22
12	Sample Variability Influences on the Precision of Predictive Bioassessment. Hydrobiologia, 2006, 572, 215-233.	1.0	21
13	Contribution of national bioassessment approaches for assessing ecological water security: an AUSRIVAS case study. Frontiers of Environmental Science and Engineering, 2013, 7, 669-687.	3.3	21
14	Weaving common threads in environmental causal assessment methods: toward an ideal method for rapid evidence synthesis. Freshwater Science, 2017, 36, 250-256.	0.9	21
15	Using the reference condition maintains the integrity of a bioassessment program in a changing climate. Journal of the North American Benthological Society, 2010, 29, 1459-1471.	3.0	20
16	An online database and desktop assessment software to simplify systematic reviews in environmental science. Environmental Modelling and Software, 2015, 64, 72-79.	1.9	20
17	Stressor dominance and sensitivityâ€dependent antagonism: Disentangling the freshwater effects of an insecticide among coâ€occurring agricultural stressors. Journal of Applied Ecology, 2019, 56, 2020-2033.	1.9	17
18	Challenges for evidence-based environmental management: what is acceptable and sufficient evidence of causation?. Freshwater Science, 2017, 36, 240-249.	0.9	15

#	Article	IF	Citations
19	Towards routine DNA metabarcoding of macroinvertebrates using bulk samples for freshwater bioassessment: Effects of debris and storage conditions on the recovery of target taxa. Freshwater Biology, 2020, 65, 607-620.	1.2	14
20	More for less: a study of environmental flows during drought in two Australian rivers. Freshwater Biology, 2012, 57, 858-873.	1.2	13
21	Can SPEcies At Risk of pesticides (SPEAR) indices detect effects of target stressors among multiple interacting stressors?. Science of the Total Environment, 2021, 763, 142997.	3.9	11
22	The Effects of Road De-icing Salts on Water Quality and Macroinvertebrates in Australian Alpine Areas. Archives of Environmental Contamination and Toxicology, 2022, 82, 266-280.	2.1	9
23	Sensitivity and specificity of macroinvertebrate responses to gradients of multiple agricultural stressors. Environmental Pollution, 2021, 291, 118092.	3.7	9
24	Evaluating AUSRIVAS predictive model performance for detecting simulated eutrophication effects on invertebrate assemblages. Freshwater Science, 2014, 33, 1212-1224.	0.9	8
25	Sub-organism (acetylcholinesterase activity), population (survival) and chemical concentration responses reinforce mechanisms of antagonism associated with malathion toxicity. Science of the Total Environment, 2021, 778, 146087.	3.9	5
26	Singleâ€species acute lethal toxicity tests are not predictive of relative population and community effects of two salinity types. Limnology and Oceanography Letters, 2023, 8, 181-189.	1.6	5
27	An evidence-based approach for integrating ecological, hydrological and consumptive models to optimize flow management: a proof of concept. Policy Studies, 2017, 38, 432-446.	1.1	4
28	Using Systematic Review and Evidence Banking to Increase Uptake and Use of Aquatic Science in Decisionâ€Making. Limnology and Oceanography Bulletin, 2018, 27, 103-109.	0.2	4
29	Understanding salt-tolerance and biotaâ€“stressor interactions in freshwater invertebrate communities. Marine and Freshwater Research, 2021, 73, 140-146.	0.7	4
30	Assessing the Relative Toxicity of Different Road Salts and Effect of Temperature on Salinity Toxicity: LCx Values versus No-Effect Concentration (NEC) Values. Archives of Environmental Contamination and Toxicology, 2022, 82, 281-293.	2.1	4
31	Timely delivery of scientific knowledge for environmental management: a Freshwater Science initiative. Freshwater Science, 2018, 37, 205-207.	0.9	3
32	Cutting through the complexity to aid evidence synthesis. A response to Haddaway and Dicks. Biological Conservation, 2018, 218, 291-292.	1.9	1
33	Exploring the interplay of biotic interactions and salinity stress in freshwater invertebrate assemblages: reply to Chessman (2022). Marine and Freshwater Research, 2022, , .	0.7	0