

Nika Galic

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,340
citations

361413

20
h-index

361022

35
g-index

48
all docs

48
docs citations

48
times ranked

1499
citing authors

#	ARTICLE	IF	CITATIONS
1	Potential application of population models in the European ecological risk assessment of chemicals II: Review of models and their potential to address environmental protection aims. <i>Integrated Environmental Assessment and Management</i> , 2010, 6, 338-360.	2.9	123
2	Potential application of ecological models in the European environmental risk assessment of chemicals I: Review of protection goals in EU directives and regulations. <i>Integrated Environmental Assessment and Management</i> , 2010, 6, 325-337.	2.9	120
3	When things don't add up: quantifying impacts of multiple stressors from individual metabolism to ecosystem processing. <i>Ecology Letters</i> , 2018, 21, 568-577.	6.4	105
4	The role of ecological models in linking ecological risk assessment to ecosystem services in agroecosystems. <i>Science of the Total Environment</i> , 2012, 415, 93-100.	8.0	86
5	Toxicokinetic–toxicodynamic modeling of quantal and graded sublethal endpoints: A brief discussion of concepts. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 2519-2524.	4.3	77
6	Next-generation ecological risk assessment: Predicting risk from molecular initiation to ecosystem service delivery. <i>Environment International</i> , 2016, 91, 215-219.	10.0	58
7	Assessing the risks of pesticides to threatened and endangered species using population modeling: A critical review and recommendations for future work. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 1904-1913.	4.3	56
8	How fast is fast? Eco–evolutionary dynamics and rates of change in populations and phenotypes. <i>Ecology and Evolution</i> , 2016, 6, 573-581.	1.9	55
9	Competitive interactions between co-occurring invaders: identifying asymmetries between two invasive crayfish species. <i>Biological Invasions</i> , 2011, 13, 1791-1803.	2.4	46
10	How resource competition shapes individual life history for nonplastic growth: ungulates in seasonal food environments. <i>Ecology</i> , 2009, 90, 945-960.	3.2	45
11	A framework for predicting impacts on ecosystem services from (sub)organismal responses to chemicals. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 845-859.	4.3	40
12	Adverse impacts of hypoxia on aquatic invertebrates: A meta-analysis. <i>Science of the Total Environment</i> , 2019, 652, 736-743.	8.0	39
13	Impaired ecosystem process despite little effects on populations: modeling combined effects of warming and toxicants. <i>Global Change Biology</i> , 2017, 23, 2973-2989.	9.5	33
14	Simulating population recovery of an aquatic isopod: Effects of timing of stress and landscape structure. <i>Environmental Pollution</i> , 2012, 163, 91-99.	7.5	32
15	Assessment of the Vulnerability to Pesticide Exposures Across Bee Species. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 2640-2651.	4.3	30
16	Pop–guide: Population modeling guidance, use, interpretation, and development for ecological risk assessment. <i>Integrated Environmental Assessment and Management</i> , 2021, 17, 767-784.	2.9	29
17	Modeling the contribution of toxicokinetic and toxicodynamic processes to the recovery of <i>Gammarus pulex</i> populations after exposure to pesticides. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 1476-1488.	4.3	26
18	Persistence of Aquatic Insects across Managed Landscapes: Effects of Landscape Permeability on Re-Colonization and Population Recovery. <i>PLoS ONE</i> , 2013, 8, e54584.	2.5	25

#	ARTICLE	IF	CITATIONS
19	Sublethal effect modelling for environmental risk assessment of chemicals: Problem definition, model variants, application and challenges. <i>Science of the Total Environment</i> , 2020, 745, 141027.	8.0	24
20	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
21	Population-level effects and recovery of aquatic invertebrates after multiple applications of an insecticide. <i>Integrated Environmental Assessment and Management</i> , 2016, 12, 67-81.	2.9	22
22	Keeping modelling notebooks with TRACE: Good for you and good for environmental research and management support. <i>Environmental Modelling and Software</i> , 2021, 136, 104932.	4.5	19
23	Assessment of risks to listed species from the use of atrazine in the USA: a perspective. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2021, 24, 223-306.	6.5	18
24	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
25	Was Lates Late? A Null Model for the Nile Perch Boom in Lake Victoria. <i>PLoS ONE</i> , 2013, 8, e76847.	2.5	17
26	Comparing population recovery after insecticide exposure for four aquatic invertebrate species using models of different complexity. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 1517-1528.	4.3	16
27	Effects of temperature on the performance of a freshwater amphipod. <i>Hydrobiologia</i> , 2017, 785, 35-46.	2.0	15
28	Ecological models in ecotoxicology and ecological risk assessment: an introduction to the special section. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 1446-1448.	4.3	13
29	Correcting for Phylogenetic Autocorrelation in Species Sensitivity Distributions. <i>Integrated Environmental Assessment and Management</i> , 2020, 16, 53-65.	2.9	13
30	Assessing chemical risk within an ecosystem services framework: Implementation and added value. <i>Science of the Total Environment</i> , 2021, 791, 148631.	8.0	13
31	Assessing pesticide risks to threatened and endangered species using population models: Findings and recommendations from a CropLife America Science Forum. <i>Integrated Environmental Assessment and Management</i> , 2015, 11, 348-354.	2.9	12
32	Modeling Sublethal Effects of Chemicals: Application of a Simplified Dynamic Energy Budget Model to Standard Ecotoxicity Data. <i>Environmental Science & Technology</i> , 2020, 54, 7420-7429.	10.0	12
33	Comparative Analysis of Plant Demographic Traits Across Species of Different Conservation Concern: Implications for Pesticide Risk Assessment. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 2043-2052.	4.3	11
34	Simulating Honey Bee Large-Scale Colony Feeding Studies Using the BEEHAVE Model-Part I: Model Validation. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 2269-2285.	4.3	10
35	Guidance for Developing Amphibian Population Models for Ecological Risk Assessment. <i>Integrated Environmental Assessment and Management</i> , 2020, 16, 223-233.	2.9	9
36	Species-specific population dynamics and their link to an aquatic food web: A hybrid modeling approach. <i>Ecological Modelling</i> , 2019, 405, 1-14.	2.5	8

#	ARTICLE	IF	CITATIONS
37	Simulating Honey Bee Large-Scale Colony Feeding Studies Using the BEEHAVE Model—Part II: Analysis of Overwintering Outcomes. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 2286-2297.	4.3	8
38	Validation of freshwater mussel life-history strategies: A database and multivariate analysis of freshwater mussel life-history traits. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 0, , .	2.0	7
39	The role of Dynamic Energy Budget theory in predictive modeling of stressor impacts on ecological systems. <i>Physics of Life Reviews</i> , 2017, 20, 43-45.	2.8	6
40	The Comprehensive Aquatic Systems Model (CASIM): Advancing Computational Capability for Ecosystem Simulation. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 2298-2303.	4.3	6
41	A Hybrid Individual-Based and Food Web Ecosystem Modeling Approach for Assessing Ecological Risks to the Topeka Shiner (<i>Notropis topeka</i>): A Case Study with Atrazine. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 2243-2258.	4.3	5
42	Modeling Pesticide Effects on Multiple Threatened and Endangered Cyprinid Fish Species: The Role of Life-History Traits and Ecology. <i>Ecologies</i> , 2022, 3, 183-205.	1.6	3
43	Modeling genomes to phenomes to populations in a changing climate: The need for collaborative networks. <i>Ecological Modelling</i> , 2019, 406, 80-83.	2.5	2
44	Applying a Hybrid Modeling Approach to Evaluate Potential Pesticide Effects and Mitigation Effectiveness for an Endangered Fish in Simulated Oxbow Habitats. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 2615-2628.	4.3	2
45	Evaluating the Efficacy of Approaches to Control Invasive Populations: A Conceptual Model Development for the Signal Crayfish. <i>Ecologies</i> , 2022, 3, 78-95.	1.6	2
46	The Second Young Environmental Scientist (YES) meeting 2011 at RWTH Aachen University - environmental challenges in a changing world. <i>Environmental Sciences Europe</i> , 2011, 23, .	11.0	1
47	Using life-history trait variation to inform ecological risk assessments for threatened and endangered plant species. <i>Integrated Environmental Assessment and Management</i> , 2023, 19, 213-223.	2.9	1