Challenges for exposure prediction in ecological risk assessm

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Integrated Environmental Assessment and Management, 2013, 9, e4-14.

#	Paper	IF	Citations
37	New challenges in ecological risk assessment. Foreword. *Integrated Environmental Assessment and Management*, **2013**, 9, e1-3	2.5	7
36	Ecotoxicology: The Challenges for the 21st Century. *Toxics*, **2013**, 1, 18-35	4.7	21
35	The ChimERA project: coupling mechanistic exposure and effect models into an integrated platform for ecological risk assessment. *Environmental Science and Pollution Research*, **2014**, 21, 6263-7	5.1	10
34	Evaluating the temporal variability of concentrations of POPs in a glacier-fed stream food chain using a combined modeling approach. *Science of the Total Environment*, **2014**, 493, 571-9	10.2	26
33	Investigating the need for complex vs. simple scenarios to improve predictions of aquatic ecosystem exposure with the SoilPlus model. *Environmental Pollution*, **2014**, 184, 502-10	9.3	14
32	Importance of environmental and biomass dynamics in predicting chemical exposure in ecological risk assessment. *Science of the Total Environment*, **2015**, 526, 338-45	10.2	18
31	Estimation of polycyclic aromatic hydrocarbon variability in air using high volume, film, and vegetation as samplers. *Environmental Science & Technology*, **2015**, 49, 5520-8	10.3	16
30	Theoretically exploring direct and indirect chemical effects across ecological and exposure scenarios using mechanistic fate and effects modelling. *Environment International*, **2015**, 74, 181-90	12.9	41
29	Towards more ecologically realistic scenarios of plant uptake modelling for chemicals: PAHs in a small forest. *Science of the Total Environment*, **2015**, 505, 329-37	10.2	39
28	Prospective Environmental Risk Assessment for Sediment-Bound Organic Chemicals: A Proposal for Tiered Effect Assessment. *Reviews of Environmental Contamination and Toxicology*, **2017**, 239, 1-77	3.5	8
27	Developing ecological scenarios for the prospective aquatic risk assessment of pesticides. *Integrated Environmental Assessment and Management*, **2016**, 12, 510-21	2.5	44
26	Aquatic Exposure Predictions of Insecticide Field Concentrations Using a Multimedia Mass-Balance Model. *Environmental Science & Technology*, **2016**, 50, 3721-8	10.3	6
25	European environmental scenarios of chemical bioavailability in freshwater systems. *Science of the Total Environment*, **2017**, 580, 1237-1246	10.2	8
24	Pesticide exposure assessment for surface waters in the EU. Part 2: Determination of statistically based run-off and drainage scenarios for Germany. *Pest Management Science*, **2017**, 73, 852-861	4.6	7
23	Factors Affecting Spatial and Temporal Concentration Variability of Pharmaceuticals: Comparison between Two WWTPs. *Sustainability*, **2017**, 9, 1466	3.6	8
22	Do environmental dynamics matter in fate models? Exploring scenario dynamics for a terrestrial and an aquatic system. *Environmental Sciences: Processes and Impacts*, **2018**, 20, 145-156	4.3	15
21	Environmental fate and exposure models: advances and challenges in 21 century chemical risk assessment. *Environmental Sciences: Processes and Impacts*, **2018**, 20, 58-71	4.3	25

20	Predicting pesticide fate in small cultivated mountain watersheds using the DynAPlus model: Toward improved assessment of peak exposure. *Science of the Total Environment*, **2018**, 615, 307-318	10.2	25
19	Pesticide fate in cultivated mountain basins: The improved DynAPlus model for predicting peak exposure and directing sustainable monitoring campaigns to protect aquatic ecosystems. *Chemosphere*, **2018**, 210, 204-214	8.4	11
18	Exposure Characterization Tools for Ecological Risk Assessment of Pesticides in Water. **2019**, 321-360		0
17	A review of multimedia transport and fate models for chemicals: Principles, features and applicability. *Science of the Total Environment*, **2019**, 668, 881-892	10.2	22
16	Spatial variability of ecosystem exposure to home and personal care chemicals in Asia. *Environment International*, **2020**, 134, 105260	12.9	1
15	Plants radically change the mobility of PCBs in soil: Role of different species and soil conditions. *Journal of Hazardous Materials*, **2020**, 388, 121786	12.8	11
14	Modelling peak exposure of pesticides in terrestrial and aquatic ecosystems: importance of dissolved organic carbon and vertical particle movement in soil. *SAR and QSAR in Environmental Research*, **2020**, 31, 19-32	3.5	8
13	PCB vertical and horizontal movement in agricultural soils of a highly contaminated site: Role of soil properties, cultivation history and PCB physico-chemical parameters. *Science of the Total Environment*, **2020**, 747, 141477	10.2	7
12	Receptor-Bound Perfluoroalkyl Carboxylic Acids Dictate Their Activity on Human and Mouse Peroxisome Proliferator-Activated Receptor □*Environmental Science & Technology*, **2020**, 54, 9529-9536	10.2	4
11	Estimating temporal and spatial levels of PAHs in air using rain samples and SPME analysis: Feasibility evaluation in an urban scenario. *Science of the Total Environment*, **2021**, 762, 144184	10.2	0
10	Life cycle exposure of plants considerably affects root uptake of PCBs: Role of growth strategies and dissolved/particulate organic carbon variability. *Journal of Hazardous Materials*, **2022**, 421, 126826	12.8	1
9	Occurrence of pharmaceutical active compounds in sewage sludge from two urban wastewater treatment plants and their potential behaviour in agricultural soils. *Environmental Science: Water Research and Technology*, **2021**, 7, 969-982	4.2	8
8	Ecological vulnerability analysis for suppression of Drosophila suzukii by gene drives. *Global Ecology and Conservation*, **2021**, 32, e01883	2.8	0
7	Bioaccumulation of PCBs and their hydroxy and sulfonated metabolites in earthworms: Comparing lab and field results. *Environmental Pollution*, **2021**, 293, 118507	9.3	1
6	Spatially resolved environmental fate models: A review.. *Chemosphere*, **2021**, 290, 133394	8.4	0
5	Understanding the bioaccumulation of pharmaceutical active compounds by clams Ruditapes decussatus exposed to a UWWTP discharge.. *Environmental Research*, **2022**, 208, 112632	7.9	2
4	Environmental Exposure Assessment. **2022**,		
3	Exposure modelling in Europe: how to pave the road for the future as part of the European Exposure Science Strategy 2020□2030. **2022**, 32, 499-512		0

2	Proposed schemes on more integrative ecological risk assessment of pesticides. **2022**, 18, 1450-1453	0
1	Using a Bayesian network model to predict effects of pesticides on aquatic community endpoints in a rice field □A southern European case study.	0