RÃ©my Beaudouin

List of Publications by Year
in descending order

51	1,170	471371 17	414303 32
papers	citations	h-index	g-index

51	51	51	1665
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A critical review of effect modeling for ecological risk assessment of plant protection products. Environmental Science and Pollution Research, 2022, 29, 43448-43500.	2.7	17
2	The toxicokinetics of bisphenol A and its metabolites in fish elucidated by a PBTK model. Aquatic Toxicology, 2022, 247, 106174.	1.9	10
3	A Generalized Physiologically Based Kinetic Model for Fish for Environmental Risk Assessment of Pharmaceuticals. Environmental Science & Technology, 2022, 56, 6500-6510.	4.6	12
4	A meta-analysis of ecotoxicological models used for plant protection product risk assessment before their placing on the market. Science of the Total Environment, 2022, 844, 157003.	3.9	2
5	Water quality of the Meuse watershed: Assessment using a multi-biomarker approach with caged three-spined stickleback (Gasterosteus aculeatus L.). Ecotoxicology and Environmental Safety, 2021, 208, 111407.	2.9	13
6	Effects of diclofenac on sentinel species and aquatic communities in semi-natural conditions. Ecotoxicology and Environmental Safety, 2021, 211, 111812.	2.9	20
7	Multistate models of developmental toxicity: Application to valproic acid-induced malformations in the zebrafish embryo. Toxicology and Applied Pharmacology, 2021, 414, 115424.	1.3	3
8	Modeling acetylcholine esterase inhibition resulting from exposure to a mixture of atrazine and chlorpyrifos using a physiologically-based kinetic model in fish. Science of the Total Environment, 2021, 773, 144734.	3.9	14
9	Toxic effects of a mixture of five pharmaceutical drugs assessed using Fontinalis antipyretica Hedw.. Ecotoxicology and Environmental Safety, 2021, 225, 112727.	2.9	6
10	Reliability evaluation of biomarker reference ranges for mesocosm and field conditions: Cellular innate immunomarkers in Gasterosteus aculeatus. Science of the Total Environment, 2020, 698, 134333.	3.9	3
11	A two years field experiment to assess the impact of two fungicides on earthworm communities and their recovery. Ecotoxicology and Environmental Safety, 2020, 203, 110979.	2.9	6
12	Effects of chronic exposure to a pharmaceutical mixture on the three-spined stickleback (gasterosteus aculeatus) population dynamics in lotic mesocosms. Aquatic Toxicology, 2020, 224, 105499.	1.9	9
13	Temperature effect on perfluorooctane sulfonate toxicokinetics in rainbow trout (Oncorhynchus) Tj ETQq1 1 0.784314 rgBT /Overloc 105545.	1.9	1
14	An active biomonitoring approach using three-spined stickleback (Gasterosteus aculeatus, L.) to assess the efficiency of a constructed wetland as tertiary treatment of wastewater. Ecological Indicators, 2020, 114, 106238.	2.6	16
15	Modelling the effect of season, sex, and body size on the three-spined stickleback, Gasterosteus aculeatus, cellular innate immunomarkers: A proposition of laboratory reference ranges. Science of the Total Environment, 2019, 648, 337-349.	3.9	8
16	Elucidating the fate of perfluorooctanoate sulfonate using a rainbow trout (Oncorhynchus mykiss) physiologically-based toxicokinetic model. Science of the Total Environment, 2019, 691, 1297-1309.	3.9	17
17	Modelling BPA effects on three-spined stickleback population dynamics in mesocosms to improve the understanding of population effects. Science of the Total Environment, 2019, 692, 854-867.	3.9	5
18	Estimating the cumulative human exposures to pyrethroids by combined multi-route PBPK models: Application to the French population. Toxicology Letters, 2019, 312, 125-138.	0.4	13

#	Article	IF	Citations
19	Investigating the interaction between melamine and cyanuric acid using a Physiologically-Based Toxicokinetic model in rainbow trout. Toxicology and Applied Pharmacology, 2019, 370, 184-195.	1.3	19
20	Modelling population dynamics in mesocosms using an individual-based model coupled to a bioenergetics model. Ecological Modelling, 2019, 398, 55-66.	1.2	17
21	Generic physiologically-based toxicokinetic modelling for fish: Integration of environmental factors and species variability. Science of the Total Environment, 2019, 651, 516-531.	3.9	60
22	A Spatioâ€Temporal Exposureâ€Hazard Model for Assessing Biological Risk and Impact. Risk Analysis, 2019, 39, 54-70.	1.5	11
23	Regulatory identification of BPA as an endocrine disruptor: Context and methodology. Molecular and Cellular Endocrinology, 2018, 475, 4-9.	1.6	83
24	Refining uptake and depuration constants for fluoroalkyl chemicals in Chironomus riparius larvae on the basis of experimental results and modelling. Ecotoxicology and Environmental Safety, 2018, 149, 284-290.	2.9	6
25	A bioenergetics model of the entire life cycle of the threeâ€spined stickleback, gasterosteus aculeatus. Ecology of Freshwater Fish, 2018, 27, 116-127.	0.7	9
26	Modelling historical mesocosm data: Application of a fish bioenergetics model in semiâ€natural conditions. Ecology of Freshwater Fish, 2018, 27, 1101-1113.	0.7	4
27	Digestive enzymes and gut morphometric parameters of threespine stickleback (Gasterosteus) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.1	37
28	Determination of carbamazepine and 12 degradation products in various compartments of an outdoor aquatic mesocosm by reliable analytical methods based on liquid chromatography-tandem mass spectrometry. Environmental Science and Pollution Research, 2017, 24, 16893-16904.	2.7	21
29	Analysis of communityâ€level mesocosm data based on ecologically meaningful dissimilarity measures and data transformation. Environmental Toxicology and Chemistry, 2017, 36, 1667-1679.	2.2	11
30	Toxicokinetic models and related tools in environmental risk assessment of chemicals. Science of the Total Environment, 2017, 578, 1-15.	3.9	99
31	An Individual-Based Model of Zebrafish Population Dynamics Accounting for Energy Dynamics. PLoS ONE, 2015, 10, e0125841.	1.1	39
32	Biodistribution and Clearance of TiO2 Nanoparticles in Rats after Intravenous Injection. PLoS ONE, 2015, 10, e0124490.	1.1	81
33	Transgenerational Adaptation to Pollution Changes Energy Allocation in Populations of Nematodes. Environmental Science & Technology, 2015, 49, 12500-12508.	4.6	13
34	BK/TD models for analyzing in vitro impedance data on cytotoxicity. Toxicology Letters, 2015, 235, 96-106.	0.4	8
35	Energy-based modelling to assess effects of chemicals on Caenorhabditis elegans: A case study on uranium. Chemosphere, 2015, 120, 507-514.	4.2	30
36	A Physiologically Based Toxicokinetic Model for the Zebrafish Danio rerio. Environmental Science & Technology, 2014, 48, 781-790.	4.6	61

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37	Modelling the binding affinity of steroids to zebrafish sex hormone-binding globulin. SAR and QSAR in Environmental Research, 2014, 25, 407-421.	1.0	17
38	Consequences of a multi-generation exposure to uranium on Caenorhabditis elegans life parameters and sensitivity. Ecotoxicology, 2013, 22, 869-878.	1.1	24
39	A non-invasive method based on head morphology to sex mature three-spined stickleback (Gasterosteus aculeatus L.) in rearing conditions. Mathematical Biosciences, 2013, 244, 148-153.	0.9	10
40	Effects of bisphenol A on different trophic levels in a lotic experimental ecosystem. Aquatic Toxicology, 2013, 144-145, 186-198.	1.9	26
41	COMPARISON OF SPECIES SENSITIVITY DISTRIBUTIONS BASED ON POPULATION OR INDIVIDUAL ENDPOINTS. Environmental Toxicology and Chemistry, 2013, 32, 1173-1177.	2.2	10
42	Individual-based model of Chironomus riparius population dynamics over several generations to explore adaptation following exposure to uranium-spiked sediments. Ecotoxicology, 2012, 21, 1225-1239.	1.1	24
43	Individual sensitivity distribution evaluation from survival data using a mechanistic model: Implications for ecotoxicological risk assessment. Chemosphere, 2012, 89, 83-88.	4.2	5
44	Comparative potency approach based on H2AX assay for estimating the genotoxicity of polycyclic aromatic hydrocarbons. Toxicology and Applied Pharmacology, 2012, 260, 58-64.	1.3	56
45	Improving mesocosm data analysis through individual-based modelling of control population dynamics: a case study with mosquitofish (Gambusia holbrooki). Ecotoxicology, 2012, 21, 155-164.	1.1	10
46	Biology-Based Modeling To Analyze Uranium Toxicity Data on Daphnia magna in a Multigeneration Study. Environmental Science & Technology, 2011, 45, 4151-4158.	4.6	41
47	A stochastic whole-body physiologically based pharmacokinetic model to assess the impact of inter-individual variability on tissue dosimetry over the human lifespan. Regulatory Toxicology and Pharmacology, 2010, 57, 103-116.	1.3	56
48	Growth characteristics of eastern mosquitofish Gambusia holbrooki in a northern habitat (Brittany, France). Journal of Fish Biology, 2008, 73, 2468-2484.	0.7	8
49	Selecting parameters for calibration via sensitivity analysis: An individual-based model of mosquitofish population dynamics. Ecological Modelling, 2008, 218, 29-48.	1.2	30
50	Model-based estimation of the link between the daily survival probability and a time-varying covariate, application to mosquitofish survival data. Mathematical Biosciences, 2007, 210, 508-522.	0.9	4
51	Combined use of local and ANOVA-based global sensitivity analyses for the investigation of a stochastic dynamic model: Application to the case study of an individual-based model of a fish population. Ecological Modelling, 2006, 193, 479-491.	1.2	65