

# Diego Baderna

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

880  
citations

566801

15  
h-index

476904

29  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1223  
citing authors

#	ARTICLE	IF	CITATIONS
1	A combined approach to investigate the toxicity of an industrial landfill's leachate: Chemical analyses, risk assessment and in vitro assays. <i>Environmental Research</i> , 2011, 111, 603-613.	3.7	126
2	Investigating landfill leachate toxicity in vitro: A review of cell models and endpoints. <i>Environment International</i> , 2019, 122, 21-30.	4.8	96
3	Aquatic toxicity of several textile dye formulations: Acute and chronic assays with <i>Daphnia magna</i> and <i>Raphidocelis subcapitata</i> . <i>Ecotoxicology and Environmental Safety</i> , 2017, 144, 79-87.	2.9	84
4	QSAR modeling of <i>Daphnia magna</i> and fish toxicities of biocides using 2D descriptors. <i>Chemosphere</i> , 2019, 229, 8-17.	4.2	71
5	Organoids are promising tools for species-specific in vitro toxicological studies. <i>Journal of Applied Toxicology</i> , 2019, 39, 1610-1622.	1.4	58
6	Acute phytotoxicity of seven metals alone and in mixture: Are Italian soil threshold concentrations suitable for plant protection?. <i>Environmental Research</i> , 2015, 140, 102-111.	3.7	46
7	Ecotoxicological QSAR modeling of organic compounds against fish: Application of fragment based descriptors in feature analysis. <i>Aquatic Toxicology</i> , 2019, 212, 162-174.	1.9	39
8	Chemical characterization and ecotoxicity of three soil foaming agents used in mechanized tunneling. <i>Journal of Hazardous Materials</i> , 2015, 296, 210-220.	6.5	32
9	Phytotoxicity of wear debris from traditional and innovative brake pads. <i>Environment International</i> , 2019, 123, 156-163.	4.8	30
10	Chemical-based risk assessment and in vitro models of human health effects induced by organic pollutants in soils from the Olona valley. <i>Science of the Total Environment</i> , 2013, 463-464, 790-801.	3.9	28
11	New in silico models to predict in vitro micronucleus induction as marker of genotoxicity. <i>Journal of Hazardous Materials</i> , 2020, 385, 121638.	6.5	25
12	Quasi-SMILES as a tool to utilize eclectic data for predicting the behavior of nanomaterials. <i>NanoImpact</i> , 2016, 1, 60-64.	2.4	24
13	QSAR models for biocides: The example of the prediction of <i>Daphnia magna</i> acute toxicity. SAR and QSAR in <i>Environmental Research</i> , 2020, 31, 227-243.	1.0	22
14	QSAR models for soil ecotoxicity: Development and validation of models to predict reproductive toxicity of organic chemicals in the collembola <i>Folsomia candida</i> . <i>Journal of Hazardous Materials</i> , 2022, 423, 127236.	6.5	22
15	Soil quality in the Lomellina area using in vitro models and ecotoxicological assays. <i>Environmental Research</i> , 2014, 133, 220-231.	3.7	16
16	Assessing the environmental risks associated with contaminated sites: Definition of an Ecotoxicological Classification index for landfill areas (ECRIS). <i>Chemosphere</i> , 2010, 80, 60-66.	4.2	15
17	ERICA: A multiparametric toxicological risk index for the assessment of environmental healthiness. <i>Environment International</i> , 2010, 36, 665-674.	4.8	15
18	Chemometric modeling to predict air half-life of persistent organic pollutants (POPs). <i>Journal of Hazardous Materials</i> , 2020, 382, 121035.	6.5	15

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19	Ecotoxicological QSAR modeling of the acute toxicity of organic compounds to the freshwater crustacean <i>Thamnocephalus platyurus</i> . <i>Chemosphere</i> , 2021, 280, 130652.	4.2	14
20	Application of ERICA index to evaluation of soil ecosystem health according to sustainability threshold for chemical impact. <i>Science of the Total Environment</i> , 2013, 443, 134-142.	3.9	13
21	Air quality in the Olona Valley and in vitro human health effects. <i>Science of the Total Environment</i> , 2017, 579, 1929-1939.	3.9	13
22	Zebrafish AC modelling: (Q)SAR models to predict developmental toxicity in zebrafish embryo. <i>Ecotoxicology and Environmental Safety</i> , 2020, 202, 110936.	2.9	13
23	QSAR Models for Human Carcinogenicity: An Assessment Based on Oral and Inhalation Slope Factors. <i>Molecules</i> , 2021, 26, 127.	1.7	13
24	(Eco)toxicological maps: A new risk assessment method integrating traditional and in silico tools and its application in the Ledra River (Italy). <i>Environment International</i> , 2018, 119, 275-286.	4.8	11
25	iPS, organoids and 3D models as advanced tools for in vitro toxicology. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2020, 37, 136-140.	0.9	10
26	Prediction of No Observed Adverse Effect Concentration for inhalation toxicity using Monte Carlo approach. <i>SAR and QSAR in Environmental Research</i> , 2020, 31, 1-12.	1.0	8
27	Monte Carlo Models for Sub-Chronic Repeated-Dose Toxicity: Systemic and Organ-Specific Toxicity. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6615.	1.8	6
28	SpheraCosmolife: a new tool for the risk assessment of cosmetic products. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2021, 38, 565-579.	0.9	4
29	Modeling the migration of chemicals from food contact materials to food: The MERLIN-expo/VERMEER toolbox. <i>Food and Chemical Toxicology</i> , 2022, 166, 113118.	1.8	3
30	Lubricants and Additives: A Point of View. <i>Handbook of Environmental Chemistry</i> , 2011, , 109-132.	0.2	2
31	Skin sensitization quantitative QSAR models based on mechanistic structural alerts. <i>Toxicology</i> , 2022, 468, 153111.	2.0	2
32	Defining the Human-Biota Thresholds of Toxicological Concern for Organic Chemicals in Freshwater: The Proposed Strategy of the LIFE VERMEER Project Using VEGA Tools. <i>Molecules</i> , 2021, 26, 1928.	1.7	1
33	In Silico Methods for Chromosome Damage. <i>Methods in Molecular Biology</i> , 2022, 2425, 185-200.	0.4	1
34	Toxicological and Ecotoxicological Studies for Additives. <i>Handbook of Environmental Chemistry</i> , 2012, , 73-89.	0.2	0
35	Toxicological Characterization of Waste-Related Products Using Alternative Methods: Three Case Studies. <i>Handbook of Environmental Chemistry</i> , 2012, , 171-205.	0.2	0
36	In vitro approaches to environmental pollutants: New models, endpoints, and strategies. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2019, 36, 329-330.	0.9	0

#	ARTICLE	IF	CITATIONS
37	Innovative in vitro strategies for food and environmental safety. ALTEX: Alternatives To Animal Experimentation, 2020, 37, 681-683.	0.9	0