

# Sara Villa

## List of Publications by Year in descending order

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Version: 2024-02-01

69  
papers

2,154  
citations

159585

30  
h-index

254184

43  
g-index

69  
all docs

69  
docs citations

69  
times ranked

2590  
citing authors

#	ARTICLE	IF	CITATIONS
1	Predicted no effect concentration (PNEC)., 2024, , 881-889.		3
2	Ecological risk assessment of pesticides in urban streams of the Brazilian Amazon. <i>Chemosphere</i> , 2022, 291, 132821.	8.2	26
3	Nanoplastics: Status and Knowledge Gaps in the Finalization of Environmental Risk Assessments. <i>Toxics</i> , 2022, 10, 270.	3.7	8
4	Integrated Exposure and Algal Ecotoxicological Assessments of Effluents from Secondary and Advanced Tertiary Wastewater Treatment Plants. <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 2404-2419.	4.3	3
5	<i>Burkholderia thailandensis</i> E264 as a promising safe rhamnolipids™ producer towards a sustainable valorization of grape marcs and olive mill pomace. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 3825-3842.	3.6	13
6	Spatial and temporal trends in the ecological risk posed by polycyclic aromatic hydrocarbons in Mediterranean Sea sediments using large-scale monitoring data. <i>Ecological Indicators</i> , 2021, 129, 107923.	6.3	6
7	Pharmaceuticals and other urban contaminants threaten Amazonian freshwater ecosystems. <i>Environment International</i> , 2021, 155, 106702.	10.0	33
8	Use of the Species Sensitivity Distribution Approach to Derive Ecological Threshold of Toxicological Concern (eco-TTC) for Pesticides. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 12078.	2.6	3
9	Investigation of the Combined Effects of Rising Temperature and Pesticide Contamination on the Swimming Behaviour of Alpine Chironomids. <i>Water (Switzerland)</i> , 2021, 13, 3618.	2.7	4
10	Behavioural and biochemical alterations by chlorpyrifos in aquatic insects: an emerging environmental concern for pristine Alpine habitats. <i>Environmental Science and Pollution Research</i> , 2020, 27, 30918-30926.	5.3	19
11	Natural molecule coatings modify the fate of cerium dioxide nanoparticles in water and their ecotoxicity to <i>Daphnia magna</i> . <i>Environmental Pollution</i> , 2020, 257, 113597.	7.5	18
12	A quantitative structure-activity relationships approach to predict the toxicity of narcotic compounds to aquatic communities. <i>Ecotoxicology and Environmental Safety</i> , 2020, 190, 110068.	6.0	7
13	First record of emerging contaminants in sponges of an inhabited island in the Maldives. <i>Marine Pollution Bulletin</i> , 2020, 156, 111273.	5.0	16
14	Environmental risk classification of emerging contaminants in an alpine stream influenced by seasonal tourism. <i>Ecological Indicators</i> , 2020, 115, 106428.	6.3	14
15	Spatial-temporal analysis and risk characterisation of pesticides in Alpine glacial streams. <i>Environmental Pollution</i> , 2019, 248, 659-666.	7.5	30
16	Linking sub-individual and supra-individual effects in <i>Daphnia magna</i> exposed to sub-lethal concentration of chlorpyrifos. <i>Environmental Pollution</i> , 2018, 235, 411-418.	7.5	24
17	Comparison of the behavioural effects of pharmaceuticals and pesticides on <i>Diamesa zernyi</i> larvae (Chironomidae). <i>Environmental Pollution</i> , 2018, 238, 130-139.	7.5	37
18	Predicting pesticide fate in small cultivated mountain watersheds using the DynAPlus model: Toward improved assessment of peak exposure. <i>Science of the Total Environment</i> , 2018, 615, 307-318.	8.0	39

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19	Effects of a treated sewage effluent on behavioural traits in <i>Diamesa cinerella</i> and <i>Daphnia magna</i> . <i>Journal of Limnology</i> , 2018, , .	1.1	5
20	Post-Depositional Biodegradation Processes of Pollutants on Glacier Surfaces. <i>Condensed Matter</i> , 2018, 3, 24.	1.8	11
21	Risk of POP mixtures on the Arctic food chain. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 1181-1192.	4.3	31
22	Toxicity of Quaternary Ammonium Compounds (QACs) as single compounds and mixtures to aquatic non-target microorganisms: Experimental data and predictive models. <i>Ecotoxicology and Environmental Safety</i> , 2017, 142, 567-577.	6.0	59
23	Bacteria contribute to pesticide degradation in cryoconite holes in an Alpine glacier. <i>Environmental Pollution</i> , 2017, 230, 919-926.	7.5	29
24	Legacy organochlorine pollutants in glacial watersheds: a review. <i>Environmental Sciences: Processes and Impacts</i> , 2017, 19, 1474-1483.	3.5	30
25	Legacy and emerging contaminants in meltwater of three Alpine glaciers. <i>Science of the Total Environment</i> , 2017, 574, 350-357.	8.0	72
26	Toxicity of individual pharmaceuticals and their mixtures to <i>Aliivibrio fischeri</i> : Experimental results for single compounds and considerations of their mechanisms of action and potential acute effects on aquatic organisms. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 807-814.	4.3	32
27	Toxicity of individual pharmaceuticals and their mixtures to <i>Aliivibrio fischeri</i> : Evidence of toxicological interactions in binary combinations. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 815-822.	4.3	21
28	Expert QSAR system for predicting the bioconcentration factor under the REACH regulation. <i>Environmental Research</i> , 2016, 148, 507-512.	7.5	24
29	Shape and size constraints on dust optical properties from the Dome C ice core, Antarctica. <i>Scientific Reports</i> , 2016, 6, 28162.	3.3	54
30	Investigating the mechanisms of bioconcentration through QSAR classification trees. <i>Environment International</i> , 2016, 88, 198-205.	10.0	32
31	EXPERIMENTAL AND PREDICTED TOXICITY OF BINARY COMBINATIONS OF DICLOFENAC SODIUM, CARBAMAZEPINE AND CAFFEINE TO <i>Aliivibrio fischeri</i> . <i>Environmental Engineering and Management Journal</i> , 2016, 15, 1971-1980.	0.6	1
32	QSAR models for bioconcentration: Is the increase in the complexity justified by more accurate predictions?. <i>Chemosphere</i> , 2015, 127, 171-179.	8.2	41
33	Environmentally relevant concentrations of galaxolide (HHCB) and tonalide (AHTN) induced oxidative and genetic damage in <i>Dreissena polymorpha</i> . <i>Journal of Hazardous Materials</i> , 2015, 285, 1-10.	12.4	71
34	Responsiveness of hepatic and cerebral cytochrome P450 in rat offspring prenatally and lactationally exposed to a reconstituted PCB mixture. <i>Environmental Toxicology</i> , 2014, 29, 856-866.	4.0	10
35	Evaluating the temporal variability of concentrations of POPs in a glacier-fed stream food chain using a combined modeling approach. <i>Science of the Total Environment</i> , 2014, 493, 571-579.	8.0	35
36	Theoretical and experimental evidences of medium range atmospheric transport processes of polycyclic musk fragrances. <i>Science of the Total Environment</i> , 2014, 481, 27-34.	8.0	26

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37	Experimental and predicted acute toxicity of antibacterial compounds and their mixtures using the luminescent bacterium <i>Vibrio fischeri</i> . <i>Chemosphere</i> , 2014, 108, 239-244.	8.2	31
38	Spatial and temporal trend of groundwater contamination from terbuthylazine and desethyl-terbuthylazine in the Lombardy Region (Italy). <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 366-372.	3.5	19
39	Ecotoxicology: The Challenges for the 21st Century. <i>Toxics</i> , 2013, 1, 18-35.	3.7	24
40	Evaluating pesticide effects on freshwater invertebrate communities in alpine environment: a model ecosystem experiment. <i>Ecotoxicology</i> , 2012, 21, 2051-2067.	2.4	12
41	Toxicity on the luminescent bacterium <i>Vibrio fischeri</i> (Beijerinck). II: Response to complex mixtures of heterogeneous chemicals at low levels of individual components. <i>Ecotoxicology and Environmental Safety</i> , 2012, 86, 93-100.	6.0	41
42	First evidences of the occurrence of polycyclic synthetic musk fragrances in surface water systems in Italy: Spatial and temporal trends in the Molgora River (Lombardia Region, Northern Italy). <i>Science of the Total Environment</i> , 2012, 416, 137-141.	8.0	65
43	Occurrence of pesticides in surface water bodies: a critical analysis of the Italian national pesticide survey programs. <i>Journal of Environmental Monitoring</i> , 2011, 13, 49-57.	2.1	28
44	Persistent organic pollutant in a fish community of a sub-alpine lake. <i>Environmental Pollution</i> , 2011, 159, 932-939.	7.5	28
45	POP bioaccumulation in macroinvertebrates of alpine freshwater systems. <i>Environmental Pollution</i> , 2009, 157, 3192-3198.	7.5	34
46	Comparison of glacial and non-glacial-fed streams to evaluate the loading of persistent organic pollutants through seasonal snow/ice melt. <i>Chemosphere</i> , 2009, 74, 924-930.	8.2	76
47	The effects of accumulation of an environmentally relevant polychlorinated biphenyl mixture on cytochrome P450 and P-glycoprotein expressions in fetuses and pregnant rats. <i>Chemosphere</i> , 2009, 75, 572-579.	8.2	15
48	POPs in Mountain Soils from the Alps and Andes: Suggestions for a "Precipitation Effect" on Altitudinal Gradients. <i>Water, Air, and Soil Pollution</i> , 2008, 188, 93-109.	2.4	80
49	Distribution and cytochrome P450 induction in mothers and offspring rat organs after PCB treatment during pregnancy and lactation. <i>Toxicology Letters</i> , 2006, 164, S171-S172.	0.8	2
50	Variation of POP concentrations in fresh-fallen snow and air on an Alpine glacier (Monte Rosa). <i>Ecotoxicology and Environmental Safety</i> , 2006, 63, 25-32.	6.0	43
51	Analysis of a firn core for assessing POP seasonal accumulation on an Alpine glacier. <i>Ecotoxicology and Environmental Safety</i> , 2006, 63, 17-24.	6.0	39
52	Organochlorine compounds in ice melt water from Italian Alpine rivers. <i>Ecotoxicology and Environmental Safety</i> , 2006, 63, 84-90.	6.0	34
53	Chemical interactions with snow: Understanding the behavior and fate of semi-volatile organic compounds in snow. <i>Ecotoxicology and Environmental Safety</i> , 2006, 63, 3-16.	6.0	96
54	The Evolution of the Environmental Quality Concept: From the US EPA Red Book to the European Water Framework Directive. <i>Environmental Science and Pollution Research</i> , 2006, 13, 9-14.	5.3	41

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55	Variability of Anthropogenic and Natural Compounds in High Altitude "high Accumulation Alpine Glaciers. <i>Hydrobiologia</i> , 2006, 562, 43-56.	2.0	20
56	Predicting pesticide mixtures load in surface waters from a given crop. <i>Agriculture, Ecosystems and Environment</i> , 2005, 111, 111-118.	5.3	30
57	Ontogenetic development, sexual differentiation, and effects of Aroclor 1254 exposure on expression of the arylhydrocarbon receptor and of the arylhydrocarbon receptor nuclear translocator in the rat hypothalamus. <i>Reproductive Toxicology</i> , 2005, 20, 521-530.	2.9	30
58	Polychlorinated naphthalenes in air and snow in the Norwegian Arctic: a local source or an Eastern Arctic phenomenon?. <i>Science of the Total Environment</i> , 2005, 342, 145-160.	8.0	40
59	Rapid Changes in PCB and OC Pesticide Concentrations in Arctic Snow. <i>Environmental Science &amp; Technology</i> , 2005, 39, 2998-3005.	10.0	83
60	Use and validation of novel snow samplers for hydrophobic, semi-volatile organic compounds (SVOCs). <i>Chemosphere</i> , 2004, 56, 227-235.	8.2	37
61	Quantitative inter-specific chemical activity relationships of pesticides in the aquatic environment. <i>Aquatic Toxicology</i> , 2004, 67, 87-103.	4.0	55
62	Title is missing!. <i>Water, Air, and Soil Pollution</i> , 2003, 146, 335-349.	2.4	40
63	Historical Trends of Organochlorine Pesticides in an Alpine Glacier. <i>Journal of Atmospheric Chemistry</i> , 2003, 46, 295-311.	3.2	67
64	Pesticide risk assessment in a lagoon ecosystem. Part I: Exposure assessment. <i>Environmental Toxicology and Chemistry</i> , 2003, 22, 928-935.	4.3	12
65	Pesticide risk assessment in a lagoon ecosystem. Part II: Effect assessment and risk characterization. <i>Environmental Toxicology and Chemistry</i> , 2003, 22, 936-942.	4.3	11
66	Environmental risk assessment for pesticides. <i>Environmental Impact Assessment Review</i> , 2002, 22, 235-248.	9.2	78
67	Local versus longitudinal biological variability in a high gradient stream. <i>Hydrobiologia</i> , 2002, 477, 107-114.	2.0	7
68	Risk Assessment for Honeybees from Pesticide-Exposed Pollen. <i>Ecotoxicology</i> , 2000, 9, 287-297.	2.4	49
69	Behavioural responses of juvenile <i>Daphnia magna</i> to two organophosphorus insecticides. <i>Journal of Limnology</i> , 0, , .	1.1	0