

Stefano Polesello

List of Publications by Year in descending order

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91
papers

3,390
citations

126858

33
h-index

161767

54
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95
all docs

95
docs citations

95
times ranked

4796
citing authors

#	ARTICLE	IF	CITATIONS
1	Presence and infectivity of SARS-CoV-2 virus in wastewaters and rivers. <i>Science of the Total Environment</i> , 2020, 744, 140911.	3.9	404
2	The European technical report on aquatic effect-based monitoring tools under the water framework directive. <i>Environmental Sciences Europe</i> , 2015, 27, .	11.0	196
3	Occurrence of priority hazardous PAHs in water, suspended particulate matter, sediment and common eels (<i>Anguilla anguilla</i>) in the urban stretch of the River Tiber (Italy). <i>Chemosphere</i> , 2010, 81, 1386-1392.	4.2	176
4	Sources and fate of perfluorinated compounds in the aqueous environment and in drinking water of a highly urbanized and industrialized area in Italy. <i>Journal of Hazardous Materials</i> , 2015, 282, 51-60.	6.5	142
5	Chromatographic determination of vitamins in foods. <i>Journal of Chromatography A</i> , 1992, 624, 103-152.	1.8	123
6	Occurrence and sources of perfluoroalkyl acids in Italian river basins. <i>Chemosphere</i> , 2015, 129, 126-134.	4.2	98
7	Partition of Nonylphenol and Related Compounds Among Different Aquatic Compartments in Tiber River (Central Italy). <i>Water, Air, and Soil Pollution</i> , 2006, 172, 151-166.	1.1	83
8	Effect-based and chemical analytical methods to monitor estrogens under the European Water Framework Directive. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 102, 225-235.	5.8	82
9	Determination of perfluorinated compounds in aquatic organisms: a review. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 143-157.	1.9	75
10	Deriving environmental quality standards for perfluorooctanoic acid (PFOA) and related short chain perfluorinated alkyl acids. <i>Journal of Hazardous Materials</i> , 2017, 323, 84-98.	6.5	74
11	Screening and risk management solutions for steroidal estrogens in surface and wastewater. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 102, 343-358.	5.8	68
12	Towards sustainable management of Mediterranean river basins: policy recommendations on management aspects of temporary streams. <i>Water Policy</i> , 2013, 15, 830-849.	0.7	61
13	Surrogate measures for providing high frequency estimates of total phosphorus concentrations in urban watersheds. <i>Water Research</i> , 2014, 64, 265-277.	5.3	59
14	Electrochemical detection in the capillary electrophoresis analysis of inorganic compounds. <i>Journal of Chromatography A</i> , 1999, 834, 103-116.	1.8	48
15	Uptake and translocation of perfluoroalkyl acids (PFAA) in red chicory (<i>Cichorium intybus</i> L.) under various treatments with pre-contaminated soil and irrigation water. <i>Science of the Total Environment</i> , 2020, 708, 134766.	3.9	48
16	Analysis of inorganic species in environmental samples by capillary electrophoresis. <i>Journal of Chromatography A</i> , 1999, 834, 363-385.	1.8	47
17	Biomarkers of Exposure and Effect in Flounder (<i>Platichthys flesus</i>) Exposed to Sediments of the Adriatic Sea. <i>Marine Pollution Bulletin</i> , 2001, 42, 887-894.	2.3	47
18	Determination of acrylamide in drinking water by large-volume direct injection and ion-exclusion chromatographyâ€“mass spectrometry. <i>Journal of Chromatography A</i> , 2004, 1039, 155-159.	1.8	47

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19	The NORMAN Association and the European Partnership for Chemicals Risk Assessment (PARC): let's cooperate!. <i>Environmental Sciences Europe</i> , 2020, 32, .	2.6	46
20	What's in the water? â€ Target and suspect screening of contaminants of emerging concern in raw water and drinking water from Europe and Asia. <i>Water Research</i> , 2021, 198, 117099.	5.3	46
21	Perâ€and Polyfluoroalkyl Substances (PFAS) in Fish from European Lakes: Current Contamination Status, Sources, and Perspectives for Monitoring. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 658-676.	2.2	45
22	Use of headspace capillary GC to study the development of volatile compounds in fresh fruit. <i>Journal of High Resolution Chromatography</i> , 1992, 15, 472-477.	2.0	42
23	Uptake and translocation of perfluoroalkyl acids (PFAAs) in hydroponically grown red chicory (<i>Cichorium intybus</i> L.): Growth and developmental toxicity, comparison with growth in soil and bioavailability implications. <i>Science of the Total Environment</i> , 2020, 720, 137333.	3.9	42
24	Chemical composition of Monsoon deposition in the Everest region. <i>Science of the Total Environment</i> , 1999, 226, 187-199.	3.9	41
25	On-line sample extraction and purification for the LCâ€MS determination of emerging contaminants in environmental samples. <i>Trends in Environmental Analytical Chemistry</i> , 2015, 8, 27-37.	5.3	41
26	Oxidative pathways in the degradation of triazine herbicides: a mechanistic approach. <i>Water Science and Technology</i> , 1994, 30, 129-136.	1.2	40
27	Determination of endocrine disrupting chemicals in environmental solid matrices by extraction with a non-ionic surfactant (Tween 80). <i>Journal of Chromatography A</i> , 2004, 1022, 1-7.	1.8	40
28	Mutagenicity of sediments along the Po River and genotoxicity biomarkers in fish from polluted areas. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2002, 515, 125-134.	0.9	39
29	Importance of dietary uptake of trace elements in the benthic deposit-feeding <i>Lumbricus variegatus</i> . <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 36, 103-112.	5.8	38
30	Laboratory intercomparison study for the analysis of nonylphenol and octylphenol in river water. <i>TrAC - Trends in Analytical Chemistry</i> , 2008, 27, 89-95.	5.8	37
31	Evaluation of morpho-physiological traits and contaminant accumulation ability in <i>Lemna minor</i> L. treated with increasing perfluorooctanoic acid (PFOA) concentrations under laboratory conditions. <i>Science of the Total Environment</i> , 2019, 695, 133828.	3.9	37
32	Guidance for sediment and biota monitoring under the Common Implementation Strategy for the Water Framework Directive. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 36, 15-24.	5.8	36
33	Organic priority substances and microbial processes in river sediments subject to contrasting hydrological conditions. <i>Science of the Total Environment</i> , 2014, 484, 74-83.	3.9	36
34	Perfluoroalkyl acids in fish of Italian deep lakes: Environmental and human risk assessment. <i>Science of the Total Environment</i> , 2019, 653, 351-358.	3.9	36
35	Determination of anions in rainwater by capillary electrophoresis with conductivity detection. <i>Journal of Chromatography A</i> , 1997, 760, 326-332.	1.8	35
36	The new PFAS C6O4 and its effects on marine invertebrates: First evidence of transcriptional and microbiota changes in the Manila clam <i>Ruditapes philippinarum</i> . <i>Environment International</i> , 2021, 152, 106484.	4.8	35

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37	Chloride interference in the determination of bromate in drinking water by reagent free ion chromatography with mass spectrometry detection. <i>Journal of Chromatography A</i> , 2005, 1085, 42-46.	1.8	34
38	Pollutant partitioning for monitoring surface waters. <i>TrAC - Trends in Analytical Chemistry</i> , 2009, 28, 159-169.	5.8	34
39	An On-Line Solid Phase Extraction-Liquid Chromatography-Tandem Mass Spectrometry Method for the Determination of Perfluoroalkyl Acids in Drinking and Surface Waters. <i>Journal of Analytical Methods in Chemistry</i> , 2015, 2015, 1-13.	0.7	32
40	Liquid chromatography mass spectrometry determination of perfluoroalkyl acids in environmental solid extracts after phospholipid removal and on-line turbulent flow chromatography purification. <i>Journal of Chromatography A</i> , 2016, 1453, 62-70.	1.8	32
41	Supercritical fluid extraction as a preparative tool for strawberry aroma analysis. <i>Journal of High Resolution Chromatography</i> , 1993, 16, 555-559.	2.0	31
42	The analytical problem of measuring total concentrations of organic pollutants in whole water. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 36, 71-81.	5.8	30
43	The fate of triazine pesticides in River Po water. <i>Science of the Total Environment</i> , 1993, 132, 339-348.	3.9	29
44	Recovery of 4-nonylphenol and 4-nonylphenol ethoxylates from river sediments by pressurised liquid extraction. <i>Journal of Chromatography A</i> , 2001, 925, 297-301.	1.8	28
45	Occurrence, distribution and pollution pattern of legacy and emerging organic pollutants in surface water of the Kongsfjorden (Svalbard, Norway): Environmental contamination, seasonal trend and climate change. <i>Marine Pollution Bulletin</i> , 2021, 163, 111900.	2.3	28
46	Trophic Magnification of Legacy (PCB, DDT and Hg) and Emerging Pollutants (PFAS) in the Fish Community of a Small Protected Southern Alpine Lake (Lake Mergozzo, Northern Italy). <i>Water (Switzerland)</i> , 2020, 12, 1591.	1.2	27
47	Uptake and Elimination of 4-Nonylphenol by the Clam Tapes philippinarum. <i>Archives of Environmental Contamination and Toxicology</i> , 2007, 53, 571-578.	2.1	26
48	An Old Relict Glacier Body Preserved in Permafrost Environment: The Foscagno Rock Glacier Ice Core (Upper Valtellina, Italian Central Alps). <i>Arctic, Antarctic, and Alpine Research</i> , 2004, 36, 108-116.	0.4	25
49	Chemistry and isotopic composition of precipitation and surface waters in Khumbu valley (Nepal) $T_j ETQq1 1 0.784314 \text{ rgBT} / \text{Overlock}$	3.9	25
50	Ozone oxidation of polyethoxylated alcohols. <i>Water Research</i> , 1993, 27, 1313-1322.	5.3	23
51	Suspect screening of wastewaters to trace anti-COVID-19 drugs: Potential adverse effects on aquatic environment. <i>Science of the Total Environment</i> , 2022, 824, 153756.	3.9	23
52	Reactivity of two models of non-ionic surfactants with ozone. <i>Water Research</i> , 1997, 31, 1839-1846.	5.3	20
53	UPTAKE AND ACCUMULATION OF SEDIMENT-ASSOCIATED 4-NONYLPHENOL IN A BENTHIC INVERTEBRATE (LUMBRICULUS VARIEGATUS, FRESHWATER OLIGOCHAETE). <i>Environmental Toxicology and Chemistry</i> , 2005, 24, 1165.	2.2	20
54	Use of capillary gas chromatography/sensory analysis as an additional tool for sampling technique comparison in peach aroma analysis. <i>Journal of High Resolution Chromatography</i> , 1995, 18, 309-314.	2.0	19

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55	Ion chromatography determination of trace level bromate by large volume injection with conductivity and spectrophotometric detection after post column derivatisation. <i>Journal of Chromatography A</i> , 1999, 864, 263-270.	1.8	18
56	Assessment of the Geochemical Role of Colloids and Their Impact on Contaminant Toxicity in Freshwaters: An Example from the Lambro-Po System (Italy). <i>Environmental Science & Technology</i> , 2005, 39, 489-497.	4.6	17
57	Effects of Perfluoroalkyl Substances on a Multigenerational Scale: A Case Study with <i>Chironomus riparius</i> (Diptera, Chironomidae). <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 988-999.	2.2	16
58	Chemical-monitoring on-site exercises to harmonize analytical methods for priority substances in the European Union. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 36, 25-35.	5.8	14
59	Comparison between the gas-phase and the solution reaction of the nitrate radical and methylarenes. <i>Environmental Science & Technology</i> , 1993, 27, 1659-1664.	4.6	13
60	Ion-chromatographic screening method for monitoring arsenate and other anionic pollutants in ground waters of Northern Italy. <i>Journal of Chromatography A</i> , 2001, 920, 231-238.	1.8	13
61	Exposure assessment of PFAS-contaminated sites using avian eggs as a biomonitoring tool: A frame of reference and a case study in the Po River valley (Northern Italy). <i>Integrated Environmental Assessment and Management</i> , 2021, 17, 733-745.	1.6	13
62	Determination of total dissolved inorganic carbon in freshwaters by reagent-free ion chromatography. <i>Journal of Chromatography A</i> , 2006, 1118, 56-61.	1.8	12
63	A Black Paint on the Facade of a Renaissance Building in Bergamo, Italy. <i>Studies in Conservation</i> , 1996, 41, 193.	0.6	11
64	Fate and monitoring of hazardous substances in temporary rivers. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 1222-1232.	5.8	11
65	Within- and Among-Clutch Variation of Yolk Perfluoroalkyl Acids in a Seabird from the Northern Adriatic Sea. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 744-753.	2.2	11
66	How to present an analytical method. <i>Food Chemistry</i> , 1997, 58, 145-147.	4.2	10
67	Ion chromatography performances evaluated from the third AQUACON freshwater analysis interlaboratory exercise. <i>Accreditation and Quality Assurance</i> , 2004, 9, 242-246.	0.4	10
68	Growth processes of an inland Antarctic ice wedge, Mesa Range, northern Victoria Land. <i>Annals of Glaciology</i> , 2004, 39, 379-385.	2.8	10
69	Evaluating the impact of a fluoropolymer plant on a river macrobenthic community by a combined chemical, ecological and genetic approach. <i>Science of the Total Environment</i> , 2015, 538, 654-663.	3.9	10
70	Clam bioaccumulation of Alkylphenols and Polycyclic aromatic hydrocarbons in the Venice lagoon under different pressures. <i>Marine Pollution Bulletin</i> , 2017, 124, 121-129.	2.3	10
71	Evolutionary Toxicology as a Tool to Assess the Ecotoxicological Risk in Freshwater Ecosystems. <i>Water (Switzerland)</i> , 2018, 10, 490.	1.2	10
72	New compounds, old problems. The case of C6O4 - a substitute of PFOA - and its effects to the clam <i>Ruditapes philippinarum</i> . <i>Journal of Hazardous Materials</i> , 2021, 420, 126689.	6.5	10

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73	Use of column-switching ion chromatography for the simultaneous determination of total nitrogen and phosphorus after microwave assisted persulphate digestion. <i>Journal of Chromatography A</i> , 1998, 822, 162-166.	1.8	9
74	Matrix effects in the determination of bromate in drinking water by ion chromatography. <i>Journal of Chromatography A</i> , 1999, 847, 279-284.	1.8	9
75	Mercury environmental quality standard for biota in Europe: Opportunities and challenges. <i>Integrated Environmental Assessment and Management</i> , 2013, 9, 167-168.	1.6	8
76	The Emerging Contaminants in the Context of the EU Water Framework Directive. <i>Handbook of Environmental Chemistry</i> , 2015, , 197-215.	0.2	8
77	Do trained reproductive endocrinologists perform better than their trainees? Comparing clinical pregnancy rates and live birth rates after transfer of single fresh blastocysts. <i>Journal of Assisted Reproduction and Genetics</i> , 2018, 35, 885-890.	1.2	8
78	Organic Contaminants in Zooplankton of Italian Subalpine Lakes: Patterns of Distribution and Seasonal Variations. <i>Water (Switzerland)</i> , 2019, 11, 1901.	1.2	7
79	Sediment quality assessment framework for per- and polyfluoroalkyl substances: Results from a preparatory study and regulatory implications. <i>Integrated Environmental Assessment and Management</i> , 2021, 17, 716-725.	1.6	7
80	Effectiveness of measures adopted for the reduction of nonylphenol emission in European river basins: a case study of the River Lambro, Northern Italy. <i>Water Policy</i> , 2015, 17, 1176-1190.	0.7	4
81	Determination of perfluoroalkyl acids in different tissues of graminaceous plants. <i>Analytical Methods</i> , 2021, 13, 1643-1650.	1.3	4
82	Assessment of Reed Grasses (<i>Phragmites australis</i>) Performance in PFAS Removal from Water: A Phytoremediation Pilot Plant Study. <i>Water (Switzerland)</i> , 2022, 14, 946.	1.2	4
83	Interactions between trophic and toxic factors in a polluted urban river. <i>Ecotoxicology and Environmental Safety</i> , 2008, 69, 49-57.	2.9	3
84	Can the ratio galaxolide/lactone: Galaxolide be a good tracer of wastewater in freshwaters?. <i>Integrated Environmental Assessment and Management</i> , 2017, 13, 214-216.	1.6	3
85	Determination of 4-nonylphenol and 4-nonylphenol ethoxylates in river sediments by microwave assisted solvent extraction. <i>Annali Di Chimica</i> , 2003, 93, 297-304.	0.6	3
86	Predictors of deviation in neurovascular bundle preservation during robotic prostatectomy. <i>Canadian Journal of Urology</i> , 2019, 26, 9644-9653.	0.0	3
87	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.	2.2	3
88	Chemical composition of fresh snow in the Himalaya and Karakoram. <i>Developments in Earth Surface Processes</i> , 2007, 10, 251-262.	2.8	2
89	Automated Determination of Linear Alkylbenzene Sulphonate (LAS) in Wastewater Treatment Plants Effluents Using on Line Solid-phase Extraction Followed by HPLC with Fluorescence Detection. <i>Tenside, Surfactants, Detergents</i> , 2009, 46, 346-351.	0.5	2
90	A note on the ice crystallography and geochemistry of a debris cone, Northern Foothills, Antarctica. <i>Permafrost and Periglacial Processes</i> , 2002, 13, 77-82.	1.5	1

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91	Contaminant concentrations in bivalve tissues are not necessarily representative of the chemical status of a site. <i>Integrated Environmental Assessment and Management</i> , 2017, 13, 1123-1124.	1.6	0