

M Silvia DÃ-az-Cruz

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6456787/publications.pdf>

Version: 2024-02-01

83
papers

6,931
citations

41323

49
h-index

58549

82
g-index

83
all docs

83
docs citations

83
times ranked

6201
citing authors

#	ARTICLE	IF	CITATIONS
1	Liquid chromatography-tandem mass spectrometry for the analysis of pharmaceutical residues in environmental samples: a review. <i>Journal of Chromatography A</i> , 2005, 1067, 1-14.	1.8	535
2	Identification and determination of metabolites and degradation products of sulfonamide antibiotics. <i>TrAC - Trends in Analytical Chemistry</i> , 2008, 27, 1008-1022.	5.8	293
3	Occurrence of sulfonamide residues along the Ebro river basin Removal in wastewater treatment plants and environmental impact assessment. <i>Environment International</i> , 2011, 37, 462-473.	4.8	210
4	Organic UV filters and their photodegradates, metabolites and disinfection by-products in the aquatic environment. <i>TrAC - Trends in Analytical Chemistry</i> , 2008, 27, 873-887.	5.8	203
5	Liquid chromatography-tandem mass spectrometry of selected emerging pollutants (steroid sex) <i>Tj ETQq1 1 0.784314 rgBT /Over</i> <i>Chromatography A</i> , 2003, 1000, 503-526.	1.8	200
6	First Determination of UV Filters in Marine Mammals. Octocrylene Levels in Franciscana Dolphins. <i>Environmental Science & Technology</i> , 2013, 47, 5619-5625.	4.6	195
7	Highly sensitive simultaneous determination of sulfonamide antibiotics and one metabolite in environmental waters by liquid chromatography-quadrupole linear ion trap-mass spectrometry. <i>Journal of Chromatography A</i> , 2008, 1193, 50-59.	1.8	184
8	An overview of UV-absorbing compounds (organic UV filters) in aquatic biota. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 2597-2610.	1.9	184
9	Chemical analysis and ecotoxicological effects of organic UV-absorbing compounds in aquatic ecosystems. <i>TrAC - Trends in Analytical Chemistry</i> , 2009, 28, 708-717.	5.8	172
10	Determination of 19 sulfonamides in environmental water samples by automated on-line solid-phase extraction-liquid chromatography-tandem mass spectrometry (SPE-LC-MS/MS). <i>Talanta</i> , 2010, 81, 355-366.	2.9	169
11	Determination of estrogens and progestogens by mass spectrometric techniques (GC/MS, LC/MS and) <i>Tj ETQq1 1 0.784314 rgBT /Over</i> <i>Chromatography A</i> , 2003, 1000, 503-526.	0.7	149
12	UV filters bioaccumulation in fish from Iberian river basins. <i>Science of the Total Environment</i> , 2015, 518-519, 518-525.	3.9	148
13	Simultaneous occurrence of nitrates and sulfonamide antibiotics in two ground water bodies of Catalonia (Spain). <i>Journal of Hydrology</i> , 2010, 383, 93-101.	2.3	138
14	Fully automated determination of nine ultraviolet filters and transformation products in natural waters and wastewaters by on-line solid phase extraction-liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1294, 106-116.	1.8	130
15	Biodegradation of sulfamethazine by <i>Trametes versicolor</i> : Removal from sewage sludge and identification of intermediate products by UPLC-QqTOF-MS. <i>Science of the Total Environment</i> , 2011, 409, 5505-5512.	3.9	127
16	Analysis of UV filters in tap water and other clean waters in Spain. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 2325-2333.	1.9	123
17	Combining chemical analysis and ecotoxicity to determine environmental exposure and to assess risk from sulfonamides. <i>TrAC - Trends in Analytical Chemistry</i> , 2009, 28, 804-819.	5.8	120
18	Occurrence of multiclass UV filters in treated sewage sludge from wastewater treatment plants. <i>Chemosphere</i> , 2011, 84, 1158-1165.	4.2	118

#	ARTICLE	IF	CITATIONS
19	Occurrence, fate and environmental risk assessment of the organic microcontaminants included in the Watch Lists set by EU Decisions 2015/495 and 2018/840 in the groundwater of Spain. <i>Science of the Total Environment</i> , 2019, 663, 285-296.	3.9	117
20	Contamination sources and distribution patterns of pharmaceuticals and personal care products in Alpine rivers strongly affected by tourism. <i>Science of the Total Environment</i> , 2017, 590-591, 484-494.	3.9	115
21	Toxic heritage: Maternal transfer of pyrethroid insecticides and sunscreen agents in dolphins from Brazil. <i>Environmental Pollution</i> , 2015, 207, 391-402.	3.7	114
22	Determination of parabens and benzophenone-type UV filters in human placenta. First description of the existence of benzyl paraben and benzophenone-4. <i>Environment International</i> , 2016, 88, 243-249.	4.8	114
23	Urban groundwater contamination by residues of UV filters. <i>Journal of Hazardous Materials</i> , 2014, 271, 141-149.	6.5	109
24	LC-MS/MS trace analysis of antimicrobials in water, sediment and soil. <i>TrAC - Trends in Analytical Chemistry</i> , 2005, 24, 645-657.	5.8	105
25	Determination of antimicrobial residues and metabolites in the aquatic environment by liquid chromatography tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 973-985.	1.9	105
26	Evaluation of fungal- and photo-degradation as potential treatments for the removal of sunscreens BP3 and BP1. <i>Science of the Total Environment</i> , 2012, 427-428, 355-363.	3.9	105
27	Ecotoxicity evaluation and removal of sulfonamides and their acetylated metabolites during conventional wastewater treatment. <i>Science of the Total Environment</i> , 2012, 437, 403-412.	3.9	99
28	Occurrence of hydrophobic organic pollutants (BFRs and UV-filters) in sediments from South America. <i>Chemosphere</i> , 2013, 92, 309-316.	4.2	99
29	Kinetic studies and characterization of photolytic products of sulfamethazine, sulfapyridine and their acetylated metabolites in water under simulated solar irradiation. <i>Water Research</i> , 2012, 46, 711-722.	5.3	97
30	Multiresidue trace analysis of sulfonamide antibiotics and their metabolites in soils and sewage sludge by pressurized liquid extraction followed by liquid chromatography-electrospray-quadrupole linear ion trap mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1275, 32-40.	1.8	96
31	Fast pressurized liquid extraction with in-cell purification and analysis by liquid chromatography tandem mass spectrometry for the determination of UV filters and their degradation products in sediments. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 2195-2204.	1.9	95
32	Ecological risk assessment associated to the removal of endocrine-disrupting parabens and benzophenone-4 in wastewater treatment. <i>Journal of Hazardous Materials</i> , 2016, 310, 143-151.	6.5	84
33	Application of fully automated online solid phase extraction-liquid chromatography-electrospray-tandem mass spectrometry for the determination of sulfonamides and their acetylated metabolites in groundwater. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 795-806.	1.9	79
34	Occurrence of organic UV filters and metabolites in lebranche mullet (<i>Mugil liza</i>) from Brazil. <i>Science of the Total Environment</i> , 2018, 618, 451-459.	3.9	77
35	Particle bound pollutants in rivers: Results from suspended sediment sampling in Globaqua River Basins. <i>Science of the Total Environment</i> , 2019, 647, 645-652.	3.9	77
36	Single and joint ecotoxicity data estimation of organic UV filters and nanomaterials toward selected aquatic organisms. <i>Urban groundwater risk assessment. Environmental Research</i> , 2016, 145, 126-134.	3.7	75

#	ARTICLE	IF	CITATIONS
37	Determination of UV filters in human breast milk using turbulent flow chromatography and babies'™ daily intake estimation. <i>Environmental Research</i> , 2018, 161, 532-539.	3.7	75
38	Multi-residue method for trace level determination of UV filters in fish based on pressurized liquid extraction and liquid chromatography-quadrupole-linear ion trap-mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1286, 93-101.	1.8	72
39	Determination of antimicrobials in sludge from infiltration basins at two artificial recharge plants by pressurized liquid extraction-liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2006, 1130, 72-82.	1.8	69
40	Analytical quality assurance in veterinary drug residue analysis methods: Matrix effects determination and monitoring for sulfonamides analysis. <i>Talanta</i> , 2015, 132, 443-450.	2.9	69
41	Removal of sulfonamide antibiotics upon conventional activated sludge and advanced membrane bioreactor treatment. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 1505-1515.	1.9	66
42	Recent advances in LC-MS residue analysis of veterinary medicines in the terrestrial environment. <i>TrAC - Trends in Analytical Chemistry</i> , 2007, 26, 637-646.	5.8	64
43	Determination of sulfonamide antibiotics and metabolites in liver, muscle and kidney samples by pressurized liquid extraction or ultrasound-assisted extraction followed by liquid chromatography-quadrupole linear ion trap-tandem mass spectrometry (HPLC-QqLIT-MS/MS). <i>Talanta</i> , 2015, 134, 768-778.	2.9	62
44	Ozonation and peroxone oxidation of benzophenone-3 in water: Effect of operational parameters and identification of intermediate products. <i>Science of the Total Environment</i> , 2013, 443, 209-217.	3.9	60
45	Personal care products reconnaissance in EVROTAS river (Greece): Water-sediment partition and bioaccumulation in fish. <i>Science of the Total Environment</i> , 2019, 651, 3079-3089.	3.9	60
46	Occurrence, fate and risk assessment of personal care products in river-groundwater interface. <i>Science of the Total Environment</i> , 2016, 568, 829-837.	3.9	59
47	LC-QqLIT MS analysis of nine sulfonamides and one of their acetylated metabolites in the Llobregat River basin. Quantitative determination and qualitative evaluation by IDA experiments. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 1325-1334.	1.9	58
48	Degradation of UV filters in sewage sludge and 4-MBC in liquid medium by the ligninolytic fungus <i>Trametes versicolor</i> . <i>Journal of Environmental Management</i> , 2012, 104, 114-120.	3.8	55
49	UV filters and benzotriazoles in urban aquatic ecosystems: The footprint of daily use products. <i>Science of the Total Environment</i> , 2017, 601-602, 975-986.	3.9	54
50	Review of emerging contaminants in aquatic biota from Latin America: 2002-2016. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 1716-1727.	2.2	51
51	Voltammetry Assisted by Multivariate Analysis as a Tool for Speciation of Metallothioneins: Competitive Complexation of I±- and I²-Metallothionein Domains with Cadmium and Zinc. <i>Environmental Science & Technology</i> , 2003, 37, 5609-5616.	4.6	49
52	Liquid chromatography-tandem mass spectrometry for the multi-residue analysis of organic UV filters and their transformation products in the aquatic environment. <i>Analytical Methods</i> , 2013, 5, 355-366.	1.3	48
53	Highly selective sample preparation and gas chromatographic-mass spectrometric analysis of chlorpyrifos, diazinon and their major metabolites in sludge and sludge-fertilized agricultural soils. <i>Journal of Chromatography A</i> , 2006, 1132, 21-27.	1.8	46
54	Occurrence of pharmaceuticals and UV filters in swimming pools and spas. <i>Environmental Science and Pollution Research</i> , 2016, 23, 14431-14441.	2.7	46

#	ARTICLE	IF	CITATIONS
55	A Potential New Threat to Wild Life: Presence of UV Filters in Bird Eggs from a Preserved Area. <i>Environmental Science & Technology</i> , 2017, 51, 10983-10990.	4.6	43
56	Transformation products of amoxicillin and ampicillin after photolysis in aqueous matrices: Identification and kinetics. <i>Science of the Total Environment</i> , 2018, 642, 954-967.	3.9	43
57	Priority and emerging organic microcontaminants in three Mediterranean river basins: Occurrence, spatial distribution, and identification of river basin specific pollutants. <i>Science of the Total Environment</i> , 2021, 754, 142344.	3.9	42
58	Removal of polar UV stabilizers in biological wastewater treatments and ecotoxicological implications. <i>Chemosphere</i> , 2015, 119, S51-S57.	4.2	41
59	Determination of triazines and their metabolites in environmental samples using molecularly imprinted polymer extraction, pressurized liquid extraction and LC-MS tandem mass spectrometry. <i>Journal of Hydrology</i> , 2010, 383, 30-38.	2.3	40
60	Sediments as a sink for UV filters and benzotriazoles: the case study of Upper Iguaçu watershed, Curitiba (Brazil). <i>Environmental Science and Pollution Research</i> , 2017, 24, 18284-18294.	2.7	39
61	Biodegradation studies of N 4-acetylsulfapyridine and N 4-acetylsulfamethazine in environmental water by applying mass spectrometry techniques. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 2885-2896.	1.9	35
62	Linking the Effect of Antibiotics on Partial-Nitrification Biofilters: Performance, Microbial Communities and Microbial Activities. <i>Frontiers in Microbiology</i> , 2018, 9, 354.	1.5	35
63	Implementation of a chemical equilibrium constraint in the multivariate curve resolution of voltammograms from systems with successive metal complexes. <i>Analyst, The</i> , 2001, 126, 371-377.	1.7	32
64	Occurrence of pharmaceuticals and personal care products in the urban aquifer of Zaragoza (Spain) and its relationship with intensive shallow geothermal energy exploitation. <i>Journal of Hydrology</i> , 2018, 566, 629-642.	2.3	31
65	Trends in sulfonamides and their by-products analysis in environmental samples using mass spectrometry techniques. <i>Trends in Environmental Analytical Chemistry</i> , 2016, 9, 24-36.	5.3	28
66	Beach showers as sources of contamination for sunscreen pollution in marine protected areas and areas of intensive beach tourism in Hawaii, USA. <i>Journal of Hazardous Materials</i> , 2022, 438, 129546.	6.5	26
67	Structural Elucidation of Sulfaquinoxaline Metabolism Products and Their Occurrence in Biological Samples Using High-Resolution Orbitrap Mass Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 5579-5586.	3.2	25
68	Oxybenzone contamination from sunscreen pollution and its ecological threat to Hanauma Bay, Oahu, Hawaii, U.S.A.. <i>Chemosphere</i> , 2022, 291, 132880.	4.2	25
69	Nanosized titanium dioxide UV filter increases mixture toxicity when combined with parabens. <i>Ecotoxicology and Environmental Safety</i> , 2019, 184, 109565.	2.9	22
70	Fate and risk assessment of sulfonamides and metabolites in urban groundwater. <i>Environmental Pollution</i> , 2020, 267, 115480.	3.7	22
71	Bioremediation of emerging micropollutants in irrigation water. The alternative of microalgae-based treatments. <i>Journal of Environmental Management</i> , 2020, 274, 111081.	3.8	21
72	Anthropogenic contaminants in freshwater from the northern Antarctic Peninsula region. <i>Ambio</i> , 2021, 50, 544-559.	2.8	21

#	ARTICLE	IF	CITATIONS
73	Development of a QuEChERS-based method for the analysis of pharmaceuticals and personal care products in lettuces grown in field-scale agricultural plots irrigated with reclaimed water. <i>Talanta</i> , 2021, 230, 122302.	2.9	21
74	On-line solid phase extraction-liquid chromatography-tandem mass spectrometry for insect repellent residue analysis in surface waters using atmospheric pressure photoionization. <i>Journal of Chromatography A</i> , 2018, 1544, 33-40.	1.8	16
75	Reactive Barriers for Renaturalization of Reclaimed Water during Soil Aquifer Treatment. <i>Water (Switzerland)</i> , 2020, 12, 1012.	1.2	15
76	Contaminants of emerging concern in marine areas: First evidence of UV filters and paraben preservatives in seawater and sediment on the eastern coast of Tunisia. <i>Environmental Pollution</i> , 2022, 309, 119749.	3.7	15
77	First application of carbon-based screen-printed electrodes for the voltammetric determination of the organic UV filters oxybenzone and octocrylene. <i>Talanta</i> , 2019, 196, 381-388.	2.9	14
78	Suitability of Polystyrene for Voltammetric Cells: A Differential Pulse Anodic Stripping Voltammetric Study. <i>Analytical Chemistry</i> , 1994, 66, 1548-1551.	3.2	12
79	Behavior of UV Filters, UV Blockers and Pharmaceuticals in High Rate Algal Ponds Treating Urban Wastewater. <i>Water (Switzerland)</i> , 2020, 12, 2658.	1.2	12
80	Mediterranean seagrass <i>Posidonia oceanica</i> accumulates sunscreen UV filters. <i>Marine Pollution Bulletin</i> , 2022, 176, 113417.	2.3	11
81	Development of a sensitive analytical method for the simultaneous analysis of Benzophenone-type UV filters and paraben preservatives in umbilical cord blood. <i>MethodsX</i> , 2021, 8, 101307.	0.7	10
82	Screen-Printed Electrodes for the Voltammetric Sensing of Benzotriazoles in Water. <i>Sensors</i> , 2020, 20, 1839.	2.1	6
83	Analytical methods for antifouling booster biocides determination in environmental matrices: A review. <i>Trends in Environmental Analytical Chemistry</i> , 2021, 29, e00108.	5.3	5