Juan Luis Santos

List of Publications by Year
in descending order

85	3,713	109264 35	133188 59
papers	citations	h-index	g-index

85	85	85	4514
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Occurrence and risk assessment of pharmaceutically active compounds in wastewater treatment plants. A case study: Seville city (Spain). Environment International, 2007, 33, 596-601.	4.8	332
2	Occurrence of pharmaceutical compounds in wastewater and sludge from wastewater treatment plants: Removal and ecotoxicological impact of wastewater discharges and sludge disposal. Journal of Hazardous Materials, 2012, 239-240, 40-47.	6.5	309
3	Occurrence of pharmaceutically active compounds during 1-year period in wastewaters from four wastewater treatment plants in Seville (Spain). Journal of Hazardous Materials, 2009, 164, 1509-1516.	6.5	241
4	Simultaneous determination of pharmaceutically active compounds in wastewater samples by solid phase extraction and high-performance liquid chromatography with diode array and fluorescence detectors. Analytica Chimica Acta, 2005, 550, 116-122.	2.6	177
5	Pharmaceutically active compounds in sludge stabilization treatments: Anaerobic and aerobic digestion, wastewater stabilization ponds and composting. Science of the Total Environment, 2015, 503-504, 97-104.	3.9	135
6	Simultaneous determination of a selected group of cytostatic drugs in water using highâ€performance liquid chromatographyâ€“tripleâ€quadrupole mass spectrometry. Journal of Separation Science, 2011, 34, 3166-3177.	1.3	107
7	Multiâ€residue method for the analysis of pharmaceutical compounds in sewage sludge, compost and sediments by sonicationâ€assisted extraction and LC determination. Journal of Separation Science, 2010, 33, 1760-1766.	1.3	106
8	Occurrence, temporal evolution and risk assessment of pharmaceutically active compounds in DoÃ±ana Park (Spain). Journal of Hazardous Materials, 2010, 183, 602-608.	6.5	96
9	Limitation of the concentration of organic pollutants in sewage sludge for agricultural purposes: A case study in South Spain. Waste Management, 2009, 29, 1747-1753.	3.7	93
10	Effectiveness of Conventional and Low-Cost Wastewater Treatments in the Removal of Pharmaceutically Active Compounds. Water, Air, and Soil Pollution, 2012, 223, 2611-2621.	1.1	89
11	Distribution and temporal evolution of pharmaceutically active compounds alongside sewage sludge treatment. Risk assessment of sludge application onto soils. Journal of Environmental Management, 2012, 102, 18-25.	3.8	88
12	Occurrence of pharmaceuticals and their metabolites in sewage sludge and soil: A review on their distribution and environmental risk assessment. Trends in Environmental Analytical Chemistry, 2021, 30, e00125.	5.3	79
13	Stir bar sorptive extraction and liquid chromatographyâ€“tandem mass spectrometry determination of polar and non-polar emerging and priority pollutants in environmental waters. Journal of Chromatography A, 2017, 1500, 43-52.	1.8	78
14	Antibiotic adsorption by natural and modified clay minerals as designer adsorbents for wastewater treatment: A comprehensive review. Journal of Environmental Management, 2022, 317, 115397.	3.8	73
15	Biopolymer-clay nanocomposites as novel and ecofriendly adsorbents for environmental remediation. Applied Clay Science, 2020, 198, 105838.	2.6	67
16	Occurrence of surfactants in wastewater: Hourly and seasonal variations in urban and industrial wastewaters from Seville (Southern Spain). Science of the Total Environment, 2014, 468-469, 977-984.	3.9	66
17	Occurrence and Ecotoxicological Risk Assessment of 14 Cytostatic Drugs in Wastewater. Water, Air, and Soil Pollution, 2014, 225, 1.	1.1	61
18	High-performance liquid chromatography quadrupole time-of-flight mass spectrometry method for the analysis of antidiabetic drugs in aqueous environmental samples. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2012, 895-896, 94-101.	1.2	60

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19	Occurrence and risk assessment of nonylphenol and nonylphenol ethoxylates in sewage sludge from different conventional treatment processes. Science of the Total Environment, 2010, 408, 563-570.	3.9	58
20	Presence of pharmaceutically active compounds in DoÃ±ana Park (Spain) main watersheds. Journal of Hazardous Materials, 2010, 177, 1159-1162.	6.5	58
21	Simultaneous sonication-assisted extraction, and determination by gas chromatographyâ€“mass spectrometry, of di-(2-ethylhexyl)phthalate, nonylphenol, nonylphenol ethoxylates and polychlorinated biphenyls in sludge from wastewater treatment plants. Analytica Chimica Acta, 2007, 584, 455-461.	2.6	57
22	An affordable method for the simultaneous determination of the most studied pharmaceutical compounds as wastewater and surface water pollutants. Journal of Separation Science, 2009, 32, 3064-3073.	1.3	56
23	Removal of priority and emerging pollutants from aqueous media by adsorption onto synthetic organo-funtionalized high-charge swelling micas. Environmental Research, 2018, 164, 488-494.	3.7	56
24	Adsorption of propranolol onto montmorillonite: Kinetic, isotherm and pH studies. Applied Clay Science, 2019, 173, 107-114.	2.6	55
25	Evaluation of a modified mica and montmorillonite for the adsorption of ibuprofen from aqueous media. Applied Clay Science, 2019, 171, 29-37.	2.6	54
26	Determination of hormones, a plasticizer, preservatives, perfluoroalkylated compounds, and a flame retardant in water samples by ultrasound-assisted dispersive liquidâ€“liquid microextraction based on the solidification of a floating organic drop. Talanta, 2015, 143, 335-343.	2.9	53
27	Concentration evolution of pharmaceutically active compounds in raw urban and industrial wastewater. Chemosphere, 2014, 111, 70-79.	4.2	49
28	Emerging contaminants in the atmosphere: Analysis, occurrence and future challenges. Critical Reviews in Environmental Science and Technology, 2019, 49, 104-171.	6.6	47
29	Determination of household and industrial chemicals, personal care products and hormones in leafy and root vegetables by liquid chromatography-tandem mass spectrometry. Journal of Chromatography A, 2018, 1533, 49-56.	1.8	46
30	A new method for the routine analysis of LAS and PAH in sewage sludge by simultaneous sonication-assisted extraction prior to liquid chromatographic determination. Analytica Chimica Acta, 2007, 605, 102-109.	2.6	44
31	Effectiveness of three configurations of membrane bioreactors on the removal of priority and emergent organic compounds from wastewater: comparison with conventional wastewater treatments. Journal of Environmental Monitoring, 2012, 14, 1428.	2.1	44
32	Monitoring of pharmaceutically active compounds on the Guadalquivir River basin (Spain): occurrence and risk assessment. Journal of Environmental Monitoring, 2011, 13, 2042.	2.1	43
33	Exposure assessment to parabens, bisphenol A and perfluoroalkyl compounds in children, women and men by hair analysis. Science of the Total Environment, 2019, 695, 133864.	3.9	42
34	Analytical method for biomonitoring of endocrine-disrupting compounds (bisphenol A, parabens,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 chromatography-tandem mass spectrometry. Analytica Chimica Acta, 2016, 945, 95-101.	2.6	41
35	Monitoring of emerging pollutants in Guadiamar River basin (South of Spain): analytical method, spatial distribution and environmental risk assessment. Environmental Science and Pollution Research, 2016, 23, 25127-25144.	2.7	40
36	Trace organics removal using three membrane bioreactor configurations: MBR, IFAS-MBR and MBMBR. Water Science and Technology, 2015, 71, 761-768.	1.2	34

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37	Occurrence, fate and environmental risk of anionic surfactants, bisphenol A, perfluorinated compounds and personal care products in sludge stabilization treatments. Science of the Total Environment, 2020, 711, 135048.	3.9	32
38	Simultaneous and individual adsorption of ibuprofen metabolites by a modified montmorillonite. Applied Clay Science, 2020, 189, 105529.	2.6	31
39	Determination of perfluorinated compounds, bisphenol A, anionic surfactants and personal care products in digested sludge, compost and soil by liquid-chromatography-tandem mass spectrometry. Journal of Chromatography A, 2018, 1576, 34-41.	1.8	28
40	Potential physiological effects of pharmaceutical compounds in Atlantic salmon (Salmo salar) implied by transcriptomic analysis. Environmental Science and Pollution Research, 2010, 17, 917-933.	2.7	23
41	Degradation and environmental risk of surfactants after the application of compost sludge to the soil. Waste Management, 2012, 32, 1324-1331.	3.7	23
42	Enantioselective behavior of environmental chiral pollutants: A comprehensive review. Critical Reviews in Environmental Science and Technology, 2022, 52, 2995-3034.	6.6	22
43	Distribution and Risk Assessment of Pharmaceutical Compounds in River Sediments from DoÃ±ana Park (Spain). Water, Air, and Soil Pollution, 2013, 224, 1.	1.1	20
44	Determination of emerging and priority industrial pollutants in surface water and wastewater by liquid chromatographyâ€“negative electrospray ionization tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2014, 406, 3709-3716.	1.9	20
45	Comparison of ultrasound-assisted extraction, QuEChERS and selective pressurized liquid extraction for the determination of metabolites of parabens and pharmaceuticals in sludge. Microchemical Journal, 2020, 157, 104987.	2.3	20
46	Determination of priority pollutants in aqueous samples by dispersive liquidâ€“liquid microextraction. Analytica Chimica Acta, 2013, 773, 60-67.	2.6	18
47	Sequential extraction of metals from mixed and digested sludge from aerobic WWTPs sited in the south of Spain. Waste Management, 2009, 29, 418-424.	3.7	17
48	Novel synthetic clays for the adsorption of surfactants from aqueous media. Journal of Environmental Management, 2018, 206, 357-363.	3.8	17
49	Analytical Method for Biomonitoring of PAH Using Leaves of Bitter Orange Trees (Citrus aurantium): a Case Study in South Spain. Water, Air, and Soil Pollution, 2016, 227, 1.	1.1	16
50	Routine analytical method for monitoring the main metabolites for a recurrent group of parabens and pharmaceuticals in wastewater and tap water. Analytical and Bioanalytical Chemistry, 2019, 411, 6625-6635.	1.9	16
51	Occurrence of the main metabolites of the most recurrent pharmaceuticals and personal care products in Mediterranean soils. Journal of Environmental Management, 2021, 278, 111584.	3.8	16
52	An overview of analytical methods for enantiomeric determination of chiral pollutants in environmental samples and biota. TrAC - Trends in Analytical Chemistry, 2021, 143, 116370.	5.8	16
53	Monitoring of di-(2-ethylhexyl)phthalate, nonylphenol, nonylphenol ethoxylates, and polychlorinated biphenyls in anaerobic and aerobic sewage sludge by gas chromatographyâ€“mass spectrometry. International Journal of Environmental Analytical Chemistry, 2007, 87, 1033-1042.	1.8	15
54	Occurrence of the main metabolites of pharmaceuticals and personal care products in sludge stabilization treatments. Waste Management, 2020, 116, 22-30.	3.7	15

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55	Hepatic Proteome Analysis of Atlantic Salmon (Salmo salar) After Exposure to Environmental Concentrations of Human Pharmaceuticals. Molecular and Cellular Proteomics, 2015, 14, 371-381.	2.5	14
56	Simultaneous pressurized liquid extraction and clean-up for the determination of metabolites in complex environmental solid matrices. Microchemical Journal, 2020, 152, 104370.	2.3	14
57	Uptake and translocation of multiresidue industrial and household contaminants in radish grown under controlled conditions. Chemosphere, 2021, 268, 128823.	4.2	14
58	Dispersive liquidâ€“liquid microextraction as a new clean-up procedure for the determination of parabens, perfluorinated compounds, UV filters, biocides, surfactants, and plasticizers in root vegetables. Analytical and Bioanalytical Chemistry, 2018, 410, 5155-5163.	1.9	12
59	Adsorption of Polycyclic Aromatic Hydrocarbons by Natural, Synthetic and Modified Clays. Environments - MDPI, 2021, 8, 124.	1.5	12
60	Nature and origin of the violet stains on the walls of a Roman tomb. Science of the Total Environment, 2017, 598, 889-899.	3.9	10
61	Baseline activity concentration of 210Po and 210Pb and dose assessment in bivalve molluscs at the Andalusian coast. Marine Pollution Bulletin, 2018, 133, 711-716.	2.3	10
62	Levels of radionuclide concentrations in benthic invertebrate species from the Balearic Islands, Western Mediterranean, during 2012â€“2018. Marine Pollution Bulletin, 2019, 149, 110519.	2.3	10
63	Geographical origin of bivalve molluscs in coastal areas using natural radioactivity fingerprinting and multivariate statistical analyses: Andalusian coast as case of study. Journal of Hazardous Materials, 2019, 367, 706-714.	6.5	10
64	Analytical pyrolysis evidences the presence of granaticins in the violet stains of a Roman tomb. Journal of Analytical and Applied Pyrolysis, 2016, 117, 357-362.	2.6	9
65	Distribution of metals in sediments of the Guadiamar river basin 20 years after the AznalcÃ³llar mine spill: Bioavailability and risk assessment. Journal of Environmental Management, 2020, 260, 110146.	3.8	9
66	Analytical method for the evaluation of the outdoor air contamination by emerging pollutants using tree leaves as bioindicators. Analytical and Bioanalytical Chemistry, 2018, 410, 417-428.	1.9	8
67	Effects of the antineoplastic drug cyclophosphamide on the biochemical responses of the mussel Mytilus galloprovincialis under different temperatures. Environmental Pollution, 2021, 288, 117735.	3.7	8
68	Development and validation of a highly effective analytical method for the evaluation of the exposure of migratory birds to antibiotics and their metabolites by faeces analysis. Analytical and Bioanalytical Chemistry, 2022, 414, 3373-3386.	1.9	8
69	Method for the simultaneous determination of the most problematic families of organic pollutants in compost and compost-amended soil. Analytical and Bioanalytical Chemistry, 2010, 397, 277-285.	1.9	7
70	Fractionation and Distribution of Metals in Guadiamar River Sediments (SW Spain). Water, Air, and Soil Pollution, 2010, 207, 103-113.	1.1	7
71	Selective pressurized extraction as single-step extraction and clean-up for the determination of organophosphate ester flame retardant in Citrus aurantium leaves by gas chromatography-tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2020, 412, 2665-2674.	1.9	7
72	Assessment of exposure to perfluoroalkyl substances (PFASs) in dogs by fur analysis. Environmental Pollution, 2021, 286, 117435.	3.7	7

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73	Biomonitoring parabens in dogs using fur sample analysis â€“ Preliminary studies. Science of the Total Environment, 2022, 807, 150757.	3.9	6
74	Approach to the Dynamic of Carbamazepine and its Main Metabolites in Soil Contamination through the Reuse of Wastewater and Sewage Sludge. Molecules, 2020, 25, 5306.	1.7	5
75	Pharmaceuticals and Their Main Metabolites in Treated Sewage Sludge and Sludge-Amended Soil: Availability and Sorption Behaviour. Molecules, 2021, 26, 5910.	1.7	5
76	Determination of bisphenol A, its chlorinated derivatives and structural analogues in vegetables by focussed ultrasound solid-liquid extraction and GCâ€“MS/MS. Environmental Chemistry, 2020, 17, 266.	0.7	4
77	Presence of organic pollutants in sludge from anaerobic wastewater stabilization ponds. Desalination and Water Treatment, 2009, 4, 116-121.	1.0	3
78	Development of an analytical method for the simultaneous determination of the 17 EU Watch List compounds in surface waters: a Spanish case study. Environmental Chemistry, 2018, 15, 493.	0.7	3
79	Pharmaceuticals and Their Metabolites in Sewage Sludge and Soils: Distribution and Environmental Risk Assessment. Handbook of Environmental Chemistry, 2022, , 19-36.	0.2	3
80	Occurrence of Linear Alkylbenzene Sulfonates, Nonylphenol Ethoxylates and Di(2-ethylhexyl)phthalate in Composting Processes: Environmental Risks. Sustainability, 2022, 14, 186.	1.6	3
81	Hair Sample Analysis as a Method of Monitoring Exposure to Bisphenol A in Dogs. International Journal of Environmental Research and Public Health, 2022, 19, 4600.	1.2	3
82	Evaluation of the airborne pollution by emerging contaminants using bitter orange (Citrus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td	3.9	2
83	Ultrasound-assisted extraction as an easy-to-perform analytical methodology for monitoring ibuprofen and its main metabolites in mussels. Analytical and Bioanalytical Chemistry, 0, , .	1.9	1
84	Elimination of trace organics in an MBR/RO system for water reuse. Journal of Water Reuse and Desalination, 2012, 2, 210-217.	1.2	0
85	A Systematic Review on Distribution and Ecological Risk Assessment for Chiral Pharmaceuticals in Environmental Compartments. Reviews of Environmental Contamination and Toxicology, 2022, 260, 1.	0.7	0