

Esteban Alonso

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

109
papers

3,677
citations

34
h-index

58
g-index

112
ext. papers

4,095
ext. citations

6.4
avg, IF

5.57
L-index

#	Paper	IF	Citations
109	A Systematic Review on Distribution and Ecological Risk Assessment for Chiral Pharmaceuticals in Environmental Compartments. <i>Reviews of Environmental Contamination and Toxicology</i> , 2022 , 260, 1	3.5	0
108	Pharmaceuticals and Their Metabolites in Sewage Sludge and Soils: Distribution and Environmental Risk Assessment. <i>Handbook of Environmental Chemistry</i> , 2022 , 1	0.8	0
107	Biomonitoring parabens in dogs using fur sample analysis - Preliminary studies. <i>Science of the Total Environment</i> , 2022 , 807, 150757	10.2	2
106	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.. <i>Analytical and Bioanalytical Chemistry</i> , 2022 , 1	4.4	2
105	Occurrence of Linear Alkylbenzene Sulfonates, Nonylphenol Ethoxylates and Di(2-ethylhexyl)phthalate in Composting Processes: Environmental Risks. <i>Sustainability</i> , 2022 , 14, 186	3.6	0
104	Antibiotic adsorption by natural and modified clay minerals as designer adsorbents for wastewater treatment: A comprehensive review. <i>Journal of Environmental Management</i> , 2022 , 317, 115397	7.9	4
103	Adsorption of Polycyclic Aromatic Hydrocarbons by Natural, Synthetic and Modified Clays. <i>Environments - MDPI</i> , 2021 , 8, 124	3.2	2
102	Occurrence of pharmaceuticals and their metabolites in sewage sludge and soil: A review on their distribution and environmental risk assessment. <i>Trends in Environmental Analytical Chemistry</i> , 2021 , 30, e00125	12	21
101	Uptake and translocation of multiresidue industrial and household contaminants in radish grown under controlled conditions. <i>Chemosphere</i> , 2021 , 268, 128823	8.4	6
100	Occurrence of the main metabolites of the most recurrent pharmaceuticals and personal care products in Mediterranean soils. <i>Journal of Environmental Management</i> , 2021 , 278, 111584	7.9	9
99	Assessment of exposure to perfluoroalkyl substances (PFASs) in dogs by fur analysis. <i>Environmental Pollution</i> , 2021 , 286, 117435	9.3	3
98	An overview of analytical methods for enantiomeric determination of chiral pollutants in environmental samples and biota. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 143, 116370	14.6	5
97	Effects of the antineoplastic drug cyclophosphamide on the biochemical responses of the mussel <i>Mytilus galloprovincialis</i> under different temperatures. <i>Environmental Pollution</i> , 2021 , 288, 117735	9.3	0
96	Comparison of ultrasound-assisted extraction, QuEChERS and selective pressurized liquid extraction for the determination of metabolites of parabens and pharmaceuticals in sludge. <i>Microchemical Journal</i> , 2020 , 157, 104987	4.8	9
95	Assessing bioaccumulation potential of personal care, household and industrial products in a marine echinoderm (<i>Holothuria tubulosa</i>). <i>Science of the Total Environment</i> , 2020 , 720, 137668	10.2	6
94	Selective pressurized extraction as single-step extraction and clean-up for the determination of organophosphate ester flame retardant in <i>Citrus aurantium</i> leaves by gas chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 2665-2674	4.4	1
93	Distribution of metals in sediments of the Guadiamar river basin 20 years after the Aznalcollar mine spill: Bioavailability and risk assessment. <i>Journal of Environmental Management</i> , 2020 , 260, 110146	7.9	7

92	Simultaneous and individual adsorption of ibuprofen metabolites by a modified montmorillonite. <i>Applied Clay Science</i> , 2020 , 189, 105529	5.2	16
91	Porous Titanium Cylinders Obtained by the Freeze-Casting Technique: Influence of Process Parameters on Porosity and Mechanical Behavior. <i>Metals</i> , 2020 , 10, 188	2.3	15
90	Occurrence, fate and environmental risk of anionic surfactants, bisphenol A, perfluorinated compounds and personal care products in sludge stabilization treatments. <i>Science of the Total Environment</i> , 2020 , 711, 135048	10.2	17
89	Simultaneous pressurized liquid extraction and clean-up for the determination of metabolites in complex environmental solid matrices. <i>Microchemical Journal</i> , 2020 , 152, 104370	4.8	10
88	Biopolymer-clay nanocomposites as novel and ecofriendly adsorbents for environmental remediation. <i>Applied Clay Science</i> , 2020 , 198, 105838	5.2	33
87	Determination of bisphenol A, its chlorinated derivatives and structural analogues in vegetables by focussed ultrasound solid-liquid extraction and GCMS/MS. <i>Environmental Chemistry</i> , 2020 , 17, 266	3.2	2
86	Approach to the Dynamic of Carbamazepine and its Main Metabolites in Soil Contamination through the Reuse of Wastewater and Sewage Sludge. <i>Molecules</i> , 2020 , 25,	4.8	1
85	Occurrence of the main metabolites of pharmaceuticals and personal care products in sludge stabilization treatments. <i>Waste Management</i> , 2020 , 116, 22-30	8.6	6
84	Levels of radionuclide concentrations in benthic invertebrate species from the Balearic Islands, Western Mediterranean, during 2012-2018. <i>Marine Pollution Bulletin</i> , 2019 , 149, 110519	6.7	4
83	Emerging contaminants in the atmosphere: Analysis, occurrence and future challenges. <i>Critical Reviews in Environmental Science and Technology</i> , 2019 , 49, 104-171	11.1	29
82	Evaluation of the airborne pollution by emerging contaminants using bitter orange (Citrus aurantium) tree leaves as biosamplers. <i>Science of the Total Environment</i> , 2019 , 677, 484-492	10.2	1
81	Adsorption of propranolol onto montmorillonite: Kinetic, isotherm and pH studies. <i>Applied Clay Science</i> , 2019 , 173, 107-114	5.2	32
80	Evaluation of a modified mica and montmorillonite for the adsorption of ibuprofen from aqueous media. <i>Applied Clay Science</i> , 2019 , 171, 29-37	5.2	32
79	Exposure assessment to parabens, bisphenol A and perfluoroalkyl compounds in children, women and men by hair analysis. <i>Science of the Total Environment</i> , 2019 , 695, 133864	10.2	16
78	Routine analytical method for monitoring the main metabolites for a recurrent group of parabens and pharmaceuticals in wastewater and tap water. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 6625-6635	4.4	9
77	Geographical origin of bivalve molluscs in coastal areas using natural radioactivity fingerprinting and multivariate statistical analyses: Andalusian coast as case of study. <i>Journal of Hazardous Materials</i> , 2019 , 367, 706-714	12.8	7
76	Bioaccumulation of perfluoroalkyl substances in marine echinoderms: Results of laboratory-scale experiments with <i>Holothuria tubulosa</i> Gmelin, 1791. <i>Chemosphere</i> , 2019 , 215, 261-271	8.4	14
75	Analytical method for the evaluation of the outdoor air contamination by emerging pollutants using tree leaves as bioindicators. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 417-428	4.4	7

74	Removal of priority and emerging pollutants from aqueous media by adsorption onto synthetic organo-functionalized high-charge swelling micas. <i>Environmental Research</i> , 2018 , 164, 488-494	7.9	39
73	Baseline activity concentration of Po and Pb and dose assessment in bivalve molluscs at the Andalusian coast. <i>Marine Pollution Bulletin</i> , 2018 , 133, 711-716	6.7	6
72	Dispersive liquid-liquid microextraction as a new clean-up procedure for the determination of parabens, perfluorinated compounds, UV filters, biocides, surfactants, and plasticizers in root vegetables. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 5155-5163	4.4	8
71	Novel synthetic clays for the adsorption of surfactants from aqueous media. <i>Journal of Environmental Management</i> , 2018 , 206, 357-363	7.9	13
70	Determination of household and industrial chemicals, personal care products and hormones in leafy and root vegetables by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2018 , 1533, 49-56	4.5	34
69	Development of an analytical method for the simultaneous determination of the 17 EU Watch List compounds in surface waters: a Spanish case study. <i>Environmental Chemistry</i> , 2018 , 15, 493	3.2	2
68	Determination of perfluorinated compounds, bisphenol A, anionic surfactants and personal care products in digested sludge, compost and soil by liquid-chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2018 , 1576, 34-41	4.5	19
67	Multi-residue analysis of 36 priority and emerging pollutants in marine echinoderms (<i>Holothuria tubulosa</i>) and marine sediments by solid-liquid extraction followed by dispersive solid phase extraction and liquid chromatography-tandem mass spectrometry analysis. <i>Talanta</i> , 2017 , 166, 336-348	6.2	46
66	Stir bar sorptive extraction and liquid chromatography-tandem mass spectrometry determination of polar and non-polar emerging and priority pollutants in environmental waters. <i>Journal of Chromatography A</i> , 2017 , 1500, 43-52	4.5	63
65	Nature and origin of the violet stains on the walls of a Roman tomb. <i>Science of the Total Environment</i> , 2017 , 598, 889-899	10.2	7
64	Biomonitoring of 21 endocrine disrupting chemicals in human hair samples using ultra-high performance liquid chromatography-tandem mass spectrometry. <i>Chemosphere</i> , 2017 , 168, 676-684	8.4	21
63	Polar stir bars for isolation and preconcentration of perfluoroalkyl substances from human milk samples prior to UHPLC-MS/MS analysis. <i>Bioanalysis</i> , 2016 , 8, 633-47	2.1	4
62	Analytical pyrolysis evidences the presence of granaticins in the violet stains of a Roman tomb. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016 , 117, 357-362	6	9
61	Validated method for the determination of perfluorinated compounds in placental tissue samples based on a simple extraction procedure followed by ultra-high performance liquid chromatography-tandem mass spectrometry analysis. <i>Talanta</i> , 2016 , 150, 169-76	6.2	10
60	Monitoring of emerging pollutants in Guadiamar River basin (South of Spain): analytical method, spatial distribution and environmental risk assessment. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 25127-25144	5.1	34
59	Analytical Method for Biomonitoring of PAH Using Leaves of Bitter Orange Trees (<i>Citrus aurantium</i>): a Case Study in South Spain. <i>Water, Air, and Soil Pollution</i> , 2016 , 227, 1	2.6	10
58	Analytical method for biomonitoring of endocrine-disrupting compounds (bisphenol A, parabens, perfluoroalkyl compounds and a brominated flame retardant) in human hair by liquid chromatography-tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2016 , 945, 95-101	6.6	28
57	Determination of hormones, a plasticizer, preservatives, perfluoroalkylated compounds, and a flame retardant in water samples by ultrasound-assisted dispersive liquid-liquid microextraction based on the solidification of a floating organic drop. <i>Talanta</i> , 2015 , 143, 335-343	6.2	45

56	Trace organics removal using three membrane bioreactor configurations: MBR, IFAS-MBR and MBMBR. <i>Water Science and Technology</i> , 2015 , 71, 761-8	2.2	26
55	Multi-class method for biomonitoring of hair samples using gas chromatography-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 8725-34	4.4	24
54	Pharmaceutically active compounds in sludge stabilization treatments: anaerobic and aerobic digestion, wastewater stabilization ponds and composting. <i>Science of the Total Environment</i> , 2015 , 503-504, 97-104	10.2	113
53	Hepatic proteome analysis of Atlantic salmon (<i>Salmo salar</i>) after exposure to environmental concentrations of human pharmaceuticals. <i>Molecular and Cellular Proteomics</i> , 2015 , 14, 371-81	7.6	10
52	Occurrence and Ecotoxicological Risk Assessment of 14 Cytostatic Drugs in Wastewater. <i>Water, Air, and Soil Pollution</i> , 2014 , 225, 1	2.6	55
51	Occurrence of surfactants in wastewater: hourly and seasonal variations in urban and industrial wastewaters from Seville (Southern Spain). <i>Science of the Total Environment</i> , 2014 , 468-469, 977-84	10.2	56
50	Determination of emerging and priority industrial pollutants in surface water and wastewater by liquid chromatography-negative electrospray ionization tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 3709-16	4.4	17
49	Concentration evolution of pharmaceutically active compounds in raw urban and industrial wastewater. <i>Chemosphere</i> , 2014 , 111, 70-9	8.4	36
48	A uniform nonlinearity criterion for rational functions applied to calibration curve and standard addition methods. <i>Talanta</i> , 2014 , 130, 307-14	6.2	2
47	Determination of priority pollutants in aqueous samples by dispersive liquid-liquid microextraction. <i>Analytica Chimica Acta</i> , 2013 , 773, 60-67	6.6	16
46	Distribution and Risk Assessment of Pharmaceutical Compounds in River Sediments from Doñana Park (Spain). <i>Water, Air, and Soil Pollution</i> , 2013 , 224, 1	2.6	19
45	The IFAS-MBR process: a compact combination of biofilm and MBR technology as RO pretreatment. <i>Desalination and Water Treatment</i> , 2013 , 51, 1063-1069		11
44	High-performance liquid chromatography quadrupole time-of-flight mass spectrometry method for the analysis of antidiabetic drugs in aqueous environmental samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012 , 895-896, 94-101	3.2	50
43	Distribution and temporal evolution of pharmaceutically active compounds alongside sewage sludge treatment. Risk assessment of sludge application onto soils. <i>Journal of Environmental Management</i> , 2012 , 102, 18-25	7.9	72
42	Effectiveness of three configurations of membrane bioreactors on the removal of priority and emergent organic compounds from wastewater: comparison with conventional wastewater treatments. <i>Journal of Environmental Monitoring</i> , 2012 , 14, 1428-36		38
41	Degradation and environmental risk of surfactants after the application of compost sludge to the soil. <i>Waste Management</i> , 2012 , 32, 1324-31	8.6	20
40	Occurrence of pharmaceutical compounds in wastewater and sludge from wastewater treatment plants: removal and ecotoxicological impact of wastewater discharges and sludge disposal. <i>Journal of Hazardous Materials</i> , 2012 , 239-240, 40-7	12.8	259
39	Elimination of trace organics in an MBR/RO system for water reuse. <i>Journal of Water Reuse and Desalination</i> , 2012 , 2, 210-217	2.6	

38	Effectiveness of Conventional and Low-Cost Wastewater Treatments in the Removal of Pharmaceutically Active Compounds. <i>Water, Air, and Soil Pollution</i> , 2012 , 223, 2611-2621	2.6	74
37	Comparison of different extraction methods for the determination of statin drugs in wastewater and river water by HPLC/Q-TOF-MS. <i>Talanta</i> , 2011 , 85, 607-15	6.2	47
36	Simultaneous determination of a selected group of cytostatic drugs in water using high-performance liquid chromatography-triple-quadrupole mass spectrometry. <i>Journal of Separation Science</i> , 2011 , 34, 3166-77	3.4	99
35	Monitoring of pharmaceutically active compounds on the Guadalquivir River basin (Spain): occurrence and risk assessment. <i>Journal of Environmental Monitoring</i> , 2011 , 13, 2042-9		39
34	Sources and behaviour of polybrominated diphenyl ethers (PBDEs), polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/Fs) in Spanish sewage sludge. <i>Waste Management</i> , 2011 , 31, 1277-84	8.6	34
33	Method for the simultaneous determination of the most problematic families of organic pollutants in compost and compost-amended soil. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 397, 277-285	4.4	6
32	Potential physiological effects of pharmaceutical compounds in Atlantic salmon (<i>Salmo salar</i>) implied by transcriptomic analysis. <i>Environmental Science and Pollution Research</i> , 2010 , 17, 917-33	5.1	18
31	Fractionation and Distribution of Metals in Guadiamar River Sediments (SW Spain). <i>Water, Air, and Soil Pollution</i> , 2010 , 207, 103-113	2.6	6
30	Occurrence and risk assessment of nonylphenol and nonylphenol ethoxylates in sewage sludge from different conventional treatment processes. <i>Science of the Total Environment</i> , 2010 , 408, 563-70	10.2	51
29	Multi-residue method for the analysis of pharmaceutical compounds in sewage sludge, compost and sediments by sonication-assisted extraction and LC determination. <i>Journal of Separation Science</i> , 2010 , 33, 1760-6	3.4	89
28	Presence of pharmaceutically active compounds in Doñana Park (Spain) main watersheds. <i>Journal of Hazardous Materials</i> , 2010 , 177, 1159-62	12.8	54
27	Occurrence, temporal evolution and risk assessment of pharmaceutically active compounds in Doñana Park (Spain). <i>Journal of Hazardous Materials</i> , 2010 , 183, 602-8	12.8	87
26	Evolution of polycyclic aromatic hydrocarbons (PAHs) and heavy metals in sludge samples from conventional activated sludge wastewater treatment plants. <i>Environmetrics</i> , 2009 , 20, 561-574	1.3	9
25	An affordable method for the simultaneous determination of the most studied pharmaceutical compounds as wastewater and surface water pollutants. <i>Journal of Separation Science</i> , 2009 , 32, 3064-73	3.4	47
24	Limitation of the concentration of organic pollutants in sewage sludge for agricultural purposes: A case study in South Spain. <i>Waste Management</i> , 2009 , 29, 1747-53	8.6	82
23	Sequential extraction of metals from mixed and digested sludge from aerobic WWTPs sited in the south of Spain. <i>Waste Management</i> , 2009 , 29, 418-24	8.6	15
22	Occurrence of pharmaceutically active compounds during 1-year period in wastewaters from four wastewater treatment plants in Seville (Spain). <i>Journal of Hazardous Materials</i> , 2009 , 164, 1509-16	12.8	220
21	New rapid methods for determination of total LAS in sewage sludge by high performance liquid chromatography (HPLC) and capillary electrophoresis (CE). <i>Analytica Chimica Acta</i> , 2009 , 634, 267-71	6.6	22

20	Presence of organic pollutants in sludge from anaerobic wastewater stabilization ponds. <i>Desalination and Water Treatment</i> , 2009 , 4, 116-121		3
19	Simultaneous sonication-assisted extraction, and determination by gas chromatography-mass spectrometry, of di-(2-ethylhexyl)phthalate, nonylphenol, nonylphenol ethoxylates and polychlorinated biphenyls in sludge from wastewater treatment plants. <i>Analytica Chimica Acta</i> , 2007 , 599, 102-9	6.6	50
18	Optimization and validation of a new method for analysis of linear alkylbenzene sulfonates in sewage sludge by liquid chromatography after microwave-assisted extraction. <i>Analytica Chimica Acta</i> , 2007 , 599, 92-7	6.6	46
17	A new method for the routine analysis of LAS and PAH in sewage sludge by simultaneous sonication-assisted extraction prior to liquid chromatographic determination. <i>Analytica Chimica Acta</i> , 2007 , 605, 102-9	6.6	39
16	Monitoring of di-(2-ethylhexyl)phthalate, nonylphenol, nonylphenol ethoxylates, and polychlorinated biphenyls in anaerobic and aerobic sewage sludge by gas chromatography-mass spectrometry. <i>International Journal of Environmental Analytical Chemistry</i> , 2007 , 87, 1033-1042	1.8	14
15	Occurrence and risk assessment of pharmaceutically active compounds in wastewater treatment plants. A case study: Seville city (Spain). <i>Environment International</i> , 2007 , 33, 596-601	12.9	290
14	Temporal evolution of polycyclic aromatic hydrocarbons (PAHs) in sludge from wastewater treatment plants: comparison between PAHs and heavy metals. <i>Chemosphere</i> , 2006 , 64, 535-41	8.4	57
13	Fractionation of heavy metals in sludge from anaerobic wastewater stabilization ponds in southern Spain. <i>Waste Management</i> , 2006 , 26, 1270-6	8.6	32
12	Influence of cadmium on the performance of an activated SBR sludge treatment. <i>Environmental Technology (United Kingdom)</i> , 2005 , 26, 127-34	2.6	2
11	Simultaneous determination of pharmaceutically active compounds in wastewater samples by solid phase extraction and high-performance liquid chromatography with diode array and fluorescence detectors. <i>Analytica Chimica Acta</i> , 2005 , 550, 116-122	6.6	163
10	Micro-organism re-growth in wastewater disinfected by UV radiation and ozone: a micro-biological study. <i>Environmental Technology (United Kingdom)</i> , 2004 , 25, 433-41	2.6	6
9	Optimization and validation of a new method of analysis for polycyclic aromatic hydrocarbons in sewage sludge by liquid chromatography after microwave assisted extraction. <i>Analytica Chimica Acta</i> , 2004 , 524, 295-304	6.6	45
8	Speciation as a screening tool for the determination of heavy metal surface water pollution in the Guadiamar river basin. <i>Chemosphere</i> , 2004 , 56, 561-70	8.4	46
7	Distribution of Zn, Cd, Pb and Cu Metals in Groundwater of the Guadiamar River Basin. <i>Water, Air, and Soil Pollution</i> , 2002 , 134, 273-283	2.6	26
6	Distribution of Metal Extractable Fractions during Anaerobic Sludge Treatment in Southern Spain WWTPs. <i>Water, Air, and Soil Pollution</i> , 2002 , 140, 139-156	2.6	25
5	Heavy metal extractable forms in sludge from wastewater treatment plants. <i>Chemosphere</i> , 2002 , 47, 765-75	8.4	201
4	Heavy metal content and speciation in groundwater of the Guadiamar river basin. <i>Chemosphere</i> , 2002 , 48, 279-85	8.4	27
3	On the feasibility of urban wastewater tertiary treatment by membranes: a comparative assessment. <i>Desalination</i> , 2001 , 141, 39-51	10.3	33

- 2 Determination of heavy metals in sewage sludge by microwave acid digestion and inductively coupled plasma atomic emission spectrometry. *Toxicological and Environmental Chemistry*, **2000**, 75, 207-214 15
- 1 Enantioselective behavior of environmental chiral pollutants: A comprehensive review. *Critical Reviews in Environmental Science and Technology*, 1-40 11.1 7