

Irene Aparicio

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84
papers

2,913
citations

32
h-index

52
g-index

87
ext. papers

3,265
ext. citations

6.4
avg, IF

5.41
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 84 | 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 |
| 83 | 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 |
| 82 | 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 |
| 81 | 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 |
| 80 | 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 |
| 79 | 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 |
| 78 | 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 |
| 77 | 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 |
| 76 | 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 |
| 75 | 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 |
| 74 | 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 |
| 73 | 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 |
| 72 | 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 |
| 71 | Occurrence and Ecotoxicological Risk Assessment of 14 Cytostatic Drugs in Wastewater. <i>Water, Air, and Soil Pollution</i> , 2014 , 225, 1 | 2.6 | 55 |
| 70 | Presence of pharmaceutically active compounds in Doñana Park (Spain) main watersheds. <i>Journal of Hazardous Materials</i> , 2010 , 177, 1159-62 | 12.8 | 54 |
| 69 | 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 |
| 68 | 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 |

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| 67 | 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 , 584, 455-61 | 6.6 | 50 |
| 66 | 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 |
| 65 | 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 | |
| 64 | 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 |
| 63 | 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 |
| 62 | 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 |
| 61 | 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 |
| 60 | 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 |
| 59 | Concentration evolution of pharmaceutically active compounds in raw urban and industrial wastewater. <i>Chemosphere</i> , 2014 , 111, 70-9 | 8.4 | 36 |
| 58 | Monitoring of emerging pollutants in Guadiana 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 |
| 57 | 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 |
| 56 | Biopolymer-clay nanocomposites as novel and ecofriendly adsorbents for environmental remediation. <i>Applied Clay Science</i> , 2020 , 198, 105838 | 5.2 | 33 |
| 55 | Adsorption of propranolol onto montmorillonite: Kinetic, isotherm and pH studies. <i>Applied Clay Science</i> , 2019 , 173, 107-114 | 5.2 | 32 |
| 54 | 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 |
| 53 | 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 |
| 52 | 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 |
| 51 | 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 |
| 50 | 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 |

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| 49 | 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 |
| 48 | 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 |
| 47 | 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 |
| 46 | 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 |
| 45 | 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 |
| 44 | 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 |
| 43 | Simultaneous and individual adsorption of ibuprofen metabolites by a modified montmorillonite. <i>Applied Clay Science</i> , 2020 , 189, 105529 | 5.2 | 16 |
| 42 | 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 |
| 41 | Determination of priority pollutants in aqueous samples by dispersive liquid-liquid microextraction. <i>Analytica Chimica Acta</i> , 2013 , 773, 60-67 | 6.6 | 16 |
| 40 | 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 |
| 39 | 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 |
| 38 | Novel synthetic clays for the adsorption of surfactants from aqueous media. <i>Journal of Environmental Management</i> , 2018 , 206, 357-363 | 7.9 | 13 |
| 37 | 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 |
| 36 | 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 |
| 35 | 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 |
| 34 | 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 |
| 33 | 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 ⁴⁴ | | |
| 32 | Simultaneous determination of rifampicin and sulbactam in mouse plasma by high-performance liquid chromatography. <i>Biomedical Chromatography</i> , 2006 , 20, 748-52 | 1.7 | 9 |

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| 31 | 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 |
| 30 | 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 |
| 29 | Distribution of metals in sediments of the Guadiana 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 |
| 28 | 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 |
| 27 | Electrochemical oxidation at carbon paste electrode of tacrine and 1-hydroxytacrine and differential pulse voltammetric determination of tacrine in pharmaceuticals and human urine. <i>Analyst, The</i> , 2000 , 125, 2016-9 | 5 | 7 |
| 26 | Enantioselective behavior of environmental chiral pollutants: A comprehensive review. <i>Critical Reviews in Environmental Science and Technology</i> , 1-40 | 11.1 | 7 |
| 25 | 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 |
| 24 | 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 |
| 23 | 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 |
| 22 | Fractionation and Distribution of Metals in Guadiana River Sediments (SW Spain). <i>Water, Air, and Soil Pollution</i> , 2010 , 207, 103-113 | 2.6 | 6 |
| 21 | 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 |
| 20 | Uptake and translocation of multiresidue industrial and household contaminants in radish grown under controlled conditions. <i>Chemosphere</i> , 2021 , 268, 128823 | 8.4 | 6 |
| 19 | Liquid chromatographic method for the simultaneous determination of imipenem and sulbactam in mouse plasma. <i>Journal of Chromatographic Science</i> , 2006 , 44, 548-51 | 1.4 | 5 |
| 18 | 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 |
| 17 | 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 |
| 16 | Spectrofluorimetric determination of tacrine in pharmaceuticals and spiked human serum. <i>Analyst, The</i> , 1998 , 123, 1575-6 | 5 | 4 |
| 15 | 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 |
| 14 | Presence of organic pollutants in sludge from anaerobic wastewater stabilization ponds. <i>Desalination and Water Treatment</i> , 2009 , 4, 116-121 | | 3 |

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| 13 | Assessment of exposure to perfluoroalkyl substances (PFASs) in dogs by fur analysis. <i>Environmental Pollution</i> , 2021 , 286, 117435 | 9.3 | 3 |
| 12 | Adsorption of Polycyclic Aromatic Hydrocarbons by Natural, Synthetic and Modified Clays. <i>Environments - MDPI</i> , 2021 , 8, 124 | 3.2 | 2 |
| 11 | Biomonitoring parabens in dogs using fur sample analysis - Preliminary studies. <i>Science of the Total Environment</i> , 2022 , 807, 150757 | 10.2 | 2 |
| 10 | 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 |
| 9 | 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 |
| 8 | 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 |
| 7 | Evaluation of the airborne pollution by emerging contaminants using bitter orange (<i>Citrus aurantium</i>) tree leaves as biosamplers. <i>Science of the Total Environment</i> , 2019 , 677, 484-492 | 10.2 | 1 |
| 6 | 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 |
| 5 | 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 |
| 4 | 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 |
| 3 | 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 |
| 2 | Spectrofluorimetric determination of velnacrine in human serum and urine. <i>Il Farmaco</i> , 2003 , 58, 1257-61 | | |
| 1 | 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 | |