

Armando C. Duarte

List of Publications by Year in descending order

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Version: 2024-02-01

566
papers

27,674
citations

8181

76
h-index

11308

136
g-index

578
all docs

578
docs citations

578
times ranked

27127
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | The road to sustainable use and waste management of plastics in Portugal. <i>Frontiers of Environmental Science and Engineering</i> , 2022, 16, 5. | 6.0 | 11 |
| 2 | Effects of virgin and weathered polystyrene and polypropylene microplastics on <i>Raphidocelis subcapitata</i> and embryos of <i>Danio rerio</i> under environmental concentrations. <i>Science of the Total Environment</i> , 2022, 816, 151642. | 8.0 | 28 |
| 3 | Implications of COVID-19 pandemic on environmental compartments: Is plastic pollution a major issue?. <i>Journal of Hazardous Materials Advances</i> , 2022, 5, 100041. | 3.0 | 9 |
| 4 | Oxidation of small aromatic compounds in rainwater by UV/H ₂ O ₂ : Optimization by response surface methodology. <i>Science of the Total Environment</i> , 2022, 815, 152857. | 8.0 | 10 |
| 5 | Suspected microplastics in Atlantic horse mackerel fish (<i>Trachurus trachurus</i>) captured in Portugal. <i>Marine Pollution Bulletin</i> , 2022, 174, 113249. | 5.0 | 20 |
| 6 | Environmental monitoring approaches for the detection of organic contaminants in marine environments: A critical review. <i>Trends in Environmental Analytical Chemistry</i> , 2022, 33, e00154. | 10.3 | 27 |
| 7 | A straightforward method for microplastic extraction from organic-rich freshwater samples. <i>Science of the Total Environment</i> , 2022, 815, 152941. | 8.0 | 21 |
| 8 | Interaction of microplastics with metal(oid)s in aquatic environments: What is done so far?. <i>Journal of Hazardous Materials Advances</i> , 2022, 6, 100072. | 3.0 | 7 |
| 9 | Are mulch biofilms used in agriculture an environmentally friendly solution? - An insight into their biodegradability and ecotoxicity using key organisms in soil ecosystems. <i>Science of the Total Environment</i> , 2022, 828, 154269. | 8.0 | 26 |
| 10 | Contamination issues as a challenge in quality control and quality assurance in microplastics analytics. <i>Journal of Hazardous Materials</i> , 2021, 403, 123660. | 12.4 | 155 |
| 11 | Sources of carbohydrates on bulk deposition in South-Western of Europe. <i>Chemosphere</i> , 2021, 263, 127982. | 8.2 | 3 |
| 12 | Assessing reactive oxygen and nitrogen species in atmospheric and aquatic environments: Analytical challenges and opportunities. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 135, 116149. | 11.4 | 6 |
| 13 | Comment on recent article "Identification of microplastics in white wines capped with polyethylene stoppers using micro-Raman spectroscopy", published in <i>Food Chemistry</i> (2020). <i>Food Chemistry</i> , 2021, 342, 128363. | 8.2 | 2 |
| 14 | Increased plastic pollution due to COVID-19 pandemic: Challenges and recommendations. <i>Chemical Engineering Journal</i> , 2021, 405, 126683. | 12.7 | 552 |
| 15 | Dissolution of Ag Nanoparticles in Agricultural Soils and Effects on Soil Exoenzyme Activities. <i>Environments - MDPI</i> , 2021, 8, 22. | 3.3 | 5 |
| 16 | Multidimensional Analytical Characterization of Water-Soluble Organic Aerosols: Challenges and New Perspectives. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2539. | 2.5 | 14 |
| 17 | Disposable over Reusable Face Masks: Public Safety or Environmental Disaster?. <i>Environments - MDPI</i> , 2021, 8, 31. | 3.3 | 38 |
| 18 | Deposition of Aerosols onto Upper Ocean and Their Impacts on Marine Biota. <i>Atmosphere</i> , 2021, 12, 684. | 2.3 | 14 |

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|----|--|------|-----------|
| 19 | Microplastics in landfill leachates: The need for reconnaissance studies and remediation technologies. Case Studies in Chemical and Environmental Engineering, 2021, 3, 100072. | 6.1 | 86 |
| 20 | Microplastics on Barra beach sediments in Aveiro, Portugal. Marine Pollution Bulletin, 2021, 167, 112264. | 5.0 | 24 |
| 21 | Microplastics and fibers from three areas under different anthropogenic pressures in Douro river. Science of the Total Environment, 2021, 776, 145999. | 8.0 | 37 |
| 22 | A One Health perspective of the impacts of microplastics on animal, human and environmental health. Science of the Total Environment, 2021, 777, 146094. | 8.0 | 130 |
| 23 | Are Biobased Plastics Green Alternatives?â€”A Critical Review. International Journal of Environmental Research and Public Health, 2021, 18, 7729. | 2.6 | 48 |
| 24 | Selection of microplastics by Nile Red staining increases environmental sample throughput by micro-Raman spectroscopy. Science of the Total Environment, 2021, 783, 146979. | 8.0 | 36 |
| 25 | Preparation of biological samples for microplastic identification by Nile Red. Science of the Total Environment, 2021, 783, 147065. | 8.0 | 36 |
| 26 | Considerations when using microplates and Neubauer counting chamber in ecotoxicity tests on microplastics. Marine Pollution Bulletin, 2021, 170, 112615. | 5.0 | 6 |
| 27 | Risks of Covid-19 face masks to wildlife: Present and future research needs. Science of the Total Environment, 2021, 792, 148505. | 8.0 | 73 |
| 28 | An urgent call to think globally and act locally on landfill disposable plastics under and after covid-19 pandemic: Pollution prevention and technological (Bio) remediation solutions. Chemical Engineering Journal, 2021, 426, 131201. | 12.7 | 59 |
| 29 | On the Water-Soluble Organic Matter in Inhalable Air Particles: Why Should Outdoor Experience Motivate Indoor Studies?. Applied Sciences (Switzerland), 2021, 11, 9917. | 2.5 | 4 |
| 30 | Airborne microplastics and fibers in indoor residential environments in Aveiro, Portugal. Environmental Advances, 2021, 6, 100134. | 4.8 | 20 |
| 31 | Environmental exposure to microplastics: An overview on possible human health effects. Science of the Total Environment, 2020, 702, 134455. | 8.0 | 1,101 |
| 32 | Structural Features and Pro-Inflammatory Effects of Water-Soluble Organic Matter in Inhalable Fine Urban Air Particles. Environmental Science & Technology, 2020, 54, 1082-1091. | 10.0 | 18 |
| 33 | Effects of spatial and seasonal factors on the characteristics and carbonyl index of (micro)plastics in a sandy beach in Aveiro, Portugal. Science of the Total Environment, 2020, 709, 135892. | 8.0 | 63 |
| 34 | An easy method for processing and identification of natural and synthetic microfibers and microplastics in indoor and outdoor air. MethodsX, 2020, 7, 100762. | 1.6 | 68 |
| 35 | Airborne Microplastics. , 2020, , 1-25. | | 2 |
| 36 | Effects of distance to the sea and geomorphological characteristics on the quantity and distribution of microplastics in beach sediments of Granada (Spain). Science of the Total Environment, 2020, 746, 142023. | 8.0 | 33 |

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|----|---|------|-----------|
| 37 | Specialty Grand Challenges in Environmental Analytical Methods. <i>Frontiers in Environmental Chemistry</i> , 2020, 1, . | 1.6 | 3 |
| 38 | Structural Characterization of Dissolved Organic Matter in Permafrost Peatland Lakes. <i>Water (Switzerland)</i> , 2020, 12, 3059. | 2.7 | 7 |
| 39 | Urban Atmospheric Aerosols: Sources, Analysis, and Effects. <i>Atmosphere</i> , 2020, 11, 1221. | 2.3 | 4 |
| 40 | The importance of contamination control in airborne fibers and microplastic sampling: Experiences from indoor and outdoor air sampling in Aveiro, Portugal. <i>Marine Pollution Bulletin</i> , 2020, 159, 111522. | 5.0 | 88 |
| 41 | The Role of Legislation, Regulatory Initiatives and Guidelines on the Control of Plastic Pollution. <i>Frontiers in Environmental Science</i> , 2020, 8, . | 3.3 | 84 |
| 42 | Introduction to the Analytical Methodologies for the Analysis of Microplastics. , 2020, , 1-31. | | 1 |
| 43 | Red mud-based inorganic polymer spheres: Innovative and environmentally friendly anaerobic digestion enhancers. <i>Bioresource Technology</i> , 2020, 316, 123904. | 9.6 | 8 |
| 44 | COVID-19 Pandemic Repercussions on the Use and Management of Plastics. <i>Environmental Science & Technology</i> , 2020, 54, 7760-7765. | 10.0 | 649 |
| 45 | Identification of microplastics in white wines capped with polyethylene stoppers using micro-Raman spectroscopy. <i>Food Chemistry</i> , 2020, 331, 127323. | 8.2 | 95 |
| 46 | Multidimensional analytical techniques in environmental research: Evolution of concepts. , 2020, , 1-26. | | 3 |
| 47 | Rethinking and optimising plastic waste management under COVID-19 pandemic: Policy solutions based on redesign and reduction of single-use plastics and personal protective equipment. <i>Science of the Total Environment</i> , 2020, 742, 140565. | 8.0 | 331 |
| 48 | Multidimensional liquid chromatography and capillary electrophoresis coupled to high-resolution detectors applied to complex environmental samples. , 2020, , 169-208. | | 0 |
| 49 | Major factors influencing the quantification of Nile Red stained microplastics and improved automatic quantification (MP-VAT 2.0). <i>Science of the Total Environment</i> , 2020, 719, 137498. | 8.0 | 59 |
| 50 | What Is the Minimum Volume of Sample to Find Small Microplastics: Laboratory Experiments and Sampling of Aveiro Lagoon and Vouga River, Portugal. <i>Water (Switzerland)</i> , 2020, 12, 1219. | 2.7 | 20 |
| 51 | Exploring water-soluble organic aerosols structures in urban atmosphere using advanced solid-state ¹³ C NMR spectroscopy. <i>Atmospheric Environment</i> , 2020, 230, 117503. | 4.1 | 12 |
| 52 | Environmental status of (micro)plastics contamination in Portugal. <i>Ecotoxicology and Environmental Safety</i> , 2020, 200, 110753. | 6.0 | 32 |
| 53 | Worldwide contamination of fish with microplastics: A brief global overview. <i>Marine Pollution Bulletin</i> , 2020, 160, 111681. | 5.0 | 77 |
| 54 | Comparative study of atmospheric water-soluble organic aerosols composition in contrasting suburban environments in the Iberian Peninsula Coast. <i>Science of the Total Environment</i> , 2019, 648, 430-441. | 8.0 | 23 |

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|----|--|------|-----------|
| 55 | Spatial distribution of organic and inorganic contaminants in Ria de Aveiro Lagoon: A fundamental baseline dataset. <i>Data in Brief</i> , 2019, 25, 104285. | 1.0 | 3 |
| 56 | A new approach for routine quantification of microplastics using Nile Red and automated software (MP-VAT). <i>Science of the Total Environment</i> , 2019, 690, 1277-1283. | 8.0 | 149 |
| 57 | Solutions and Integrated Strategies for the Control and Mitigation of Plastic and Microplastic Pollution. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2411. | 2.6 | 258 |
| 58 | White bean (<i>Phaseolus vulgaris</i> L.) as a sorbent for the removal of zinc from rainwater. <i>Water Research</i> , 2019, 162, 170-179. | 11.3 | 9 |
| 59 | Identifying a quick and efficient method of removing organic matter without damaging microplastic samples. <i>Science of the Total Environment</i> , 2019, 686, 131-139. | 8.0 | 182 |
| 60 | Microplastic pollution in the sediments of Sidi Mansour Harbor in Southeast Tunisia. <i>Marine Pollution Bulletin</i> , 2019, 146, 92-99. | 5.0 | 48 |
| 61 | Comprehensive multidimensional liquid chromatography for advancing environmental and natural products research. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 116, 186-197. | 11.4 | 29 |
| 62 | <i>Sargassum muticum</i> and <i>Osmundea pinnatifida</i> Enzymatic Extracts: Chemical, Structural, and Cytotoxic Characterization. <i>Marine Drugs</i> , 2019, 17, 209. | 4.6 | 24 |
| 63 | Occurrence, distribution, and significance of arsenic speciation. <i>Comprehensive Analytical Chemistry</i> , 2019, , 1-14. | 1.3 | 10 |
| 64 | Oxidative Stress Biomarkers and Antioxidant Defense in Plants Exposed to Metallic Nanoparticles. , 2019, , 427-439. | | 2 |
| 65 | Multivariate Analysis for Assessing Sources, and Potential Risks of Polycyclic Aromatic Hydrocarbons in Lisbon Urban Soils. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 139. | 2.0 | 8 |
| 66 | Effect of Soil Organic Matter, Soil pH, and Moisture Content on Solubility and Dissolution Rate of CuO NPs in Soil. <i>Environmental Science & Technology</i> , 2019, 53, 4959-4967. | 10.0 | 90 |
| 67 | Effects of microplastics on microalgae populations: A critical review. <i>Science of the Total Environment</i> , 2019, 665, 400-405. | 8.0 | 288 |
| 68 | Significance of interactions between microplastics and POPs in the marine environment: A critical overview. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 111, 252-260. | 11.4 | 313 |
| 69 | Micro(nano)plastics – Analytical challenges towards risk evaluation. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 111, 173-184. | 11.4 | 79 |
| 70 | Biotechnological tools for the effective management of plastics in the environment. <i>Critical Reviews in Environmental Science and Technology</i> , 2019, 49, 410-441. | 12.8 | 50 |
| 71 | Methods for sampling and detection of microplastics in water and sediment: A critical review. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 110, 150-159. | 11.4 | 643 |
| 72 | Oxidation of benzoic acid from biomass burning in atmospheric waters. <i>Environmental Pollution</i> , 2019, 244, 693-704. | 7.5 | 7 |

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|----|---|------|-----------|
| 73 | Microplastics in soils: assessment, analytics and risks. <i>Environmental Chemistry</i> , 2019, 16, 18. | 1.5 | 97 |
| 74 | Plásticos no ambiente. <i>Revista Recursos Hídricos</i> , 2019, 40, 11-18. | 0.1 | 2 |
| 75 | Microplastics in the environment: Challenges in analytical chemistry - A review. <i>Analytica Chimica Acta</i> , 2018, 1017, 1-19. | 5.4 | 546 |
| 76 | Analytical methodologies for arsenic speciation in macroalgae: A critical review. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 102, 170-184. | 11.4 | 39 |
| 77 | Graphene immunosensors for okadaic acid detection in seawater. <i>Microchemical Journal</i> , 2018, 138, 465-471. | 4.5 | 23 |
| 78 | Degradation of polyethylene microplastics in seawater: Insights into the environmental degradation of polymers. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2018, 53, 866-875. | 1.7 | 148 |
| 79 | <i>Soil and Pollution</i> , 2018, , 1-28. | | 48 |
| 80 | Addressing the impact of mercury estuarine contamination in the European eel (<i>Anguilla anguilla</i> L.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Pollution Bulletin</i> , 2018, 127, 733-742. | 5.0 | 12 |
| 81 | Sampling of micro(nano)plastics in environmental compartments: How to define standard procedures? <i>Current Opinion in Environmental Science and Health</i> , 2018, 1, 36-40. | 4.1 | 24 |
| 82 | Biotechnology advances for dealing with environmental pollution by micro(nano)plastics: Lessons on theory and practices. <i>Current Opinion in Environmental Science and Health</i> , 2018, 1, 30-35. | 4.1 | 46 |
| 83 | Evaluation of a single extraction test to estimate the human oral bioaccessibility of potentially toxic elements in soils: Towards more robust risk assessment. <i>Science of the Total Environment</i> , 2018, 635, 188-202. | 8.0 | 28 |
| 84 | Long-term application of the organic and inorganic pesticides in vineyards: Environmental record of past use. <i>Applied Geochemistry</i> , 2018, 88, 226-238. | 3.0 | 18 |
| 85 | Availability of polycyclic aromatic hydrocarbons to earthworms in urban soils and its implications for risk assessment. <i>Chemosphere</i> , 2018, 191, 196-203. | 8.2 | 15 |
| 86 | Removal and recovery of Critical Rare Elements from contaminated waters by living <i>Gracilaria gracilis</i> . <i>Journal of Hazardous Materials</i> , 2018, 344, 531-538. | 12.4 | 72 |
| 87 | Graphene oxide induces cytotoxicity and oxidative stress in bluegill sunfish cells. <i>Journal of Applied Toxicology</i> , 2018, 38, 504-513. | 2.8 | 33 |
| 88 | Oxidative stress, energy metabolism and molecular responses of earthworms (<i>Eisenia fetida</i>) exposed to low-density polyethylene microplastics. <i>Environmental Science and Pollution Research</i> , 2018, 25, 33599-33610. | 5.3 | 139 |
| 89 | <i>Nanomaterials and Microplastics</i> , 2018, , 117-117. | | 0 |
| 90 | <i>Pollutants Transformation and Metabolite Accumulation in Soils</i> , 2018, , 89-102. | | 1 |

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|-----|---|------|-----------|
| 91 | Nanomaterials in Lab-on-Chip Chromatography. , 2018, , 387-400. | | 1 |
| 92 | Microplastics Pollution: Scientists On The Road To Consensus. , 2018, , . | | 0 |
| 93 | A macroalgae-based biotechnology for water remediation: Simultaneous removal of Cd, Pb and Hg by living <i>Ulva lactuca</i> . <i>Journal of Environmental Management</i> , 2017, 191, 275-289. | 7.8 | 60 |
| 94 | Analytical Techniques for Discovery of Bioactive Compounds from Marine Fungi. , 2017, , 415-434. | | 3 |
| 95 | Biodegradation of polyethylene microplastics by the marine fungus <i>Zalerion maritimum</i> . <i>Science of the Total Environment</i> , 2017, 586, 10-15. | 8.0 | 421 |
| 96 | Graphene based sensors and biosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 91, 53-66. | 11.4 | 425 |
| 97 | Structural signatures of water-soluble organic aerosols in contrasting environments in South America and Western Europe. <i>Environmental Pollution</i> , 2017, 227, 513-525. | 7.5 | 32 |
| 98 | Effect of probiotic co-cultures on physico-chemical and biochemical properties of small ruminants' fermented milk. <i>International Dairy Journal</i> , 2017, 72, 29-35. | 3.0 | 10 |
| 99 | Ashes from fluidized bed combustion of residual forest biomass: recycling to soil as a viable management option. <i>Environmental Science and Pollution Research</i> , 2017, 24, 14770-14781. | 5.3 | 33 |
| 100 | How low can you go? A current perspective on low-abundance proteomics. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 93, 171-182. | 11.4 | 12 |
| 101 | Carbon nanotube field effect transistor biosensor for the detection of toxins in seawater. <i>International Journal of Environmental Analytical Chemistry</i> , 2017, 97, 597-605. | 3.3 | 19 |
| 102 | Review of the ecotoxicological effects of emerging contaminants to soil biota. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2017, 52, 992-1007. | 1.7 | 59 |
| 103 | Microplastics Sampling and Sample Handling. <i>Comprehensive Analytical Chemistry</i> , 2017, 75, 25-47. | 1.3 | 15 |
| 104 | Bioaccumulation of Hg, Cd and Pb by <i>Fucus vesiculosus</i> in single and multi-metal contamination scenarios and its effect on growth rate. <i>Chemosphere</i> , 2017, 171, 208-222. | 8.2 | 65 |
| 105 | NMR Studies of Organic Aerosols. <i>Annual Reports on NMR Spectroscopy</i> , 2017, 92, 83-135. | 1.5 | 10 |
| 106 | Salinity induced effects on the growth rates and mycelia composition of basidiomycete and zygomycete fungi. <i>Environmental Pollution</i> , 2017, 231, 1633-1641. | 7.5 | 12 |
| 107 | Persistence of urban organic aerosols composition: Decoding their structural complexity and seasonal variability. <i>Environmental Pollution</i> , 2017, 231, 281-290. | 7.5 | 26 |
| 108 | Cytotoxicity and oxidative stress responses of silica-coated iron oxide nanoparticles in CHSE-214 cells. <i>Environmental Science and Pollution Research</i> , 2017, 24, 2055-2064. | 5.3 | 18 |

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|-----|--|------|-----------|
| 109 | Tracing of aerosol sources in an urban environment using chemical, Sr isotope, and mineralogical characterization. <i>Environmental Science and Pollution Research</i> , 2017, 24, 11006-11016. | 5.3 | 10 |
| 110 | Histopathological and molecular effects of microplastics in <i>Eisenia andrei</i> Bouché. <i>Environmental Pollution</i> , 2017, 220, 495-503. | 7.5 | 412 |
| 111 | Chemical and structural characterization of <i>Pholiota nameko</i> extracts with biological properties. <i>Food Chemistry</i> , 2017, 216, 176-185. | 8.2 | 27 |
| 112 | Bioactive Polysaccharides Extracts from <i>Sargassum muticum</i> by High Hydrostatic Pressure. <i>Journal of Food Processing and Preservation</i> , 2017, 41, e12977. | 2.0 | 9 |
| 113 | Lead and PAHs contamination of an old shooting range: A case study with a holistic approach. <i>Science of the Total Environment</i> , 2017, 575, 367-377. | 8.0 | 38 |
| 114 | Biotechnological Production of Conjugated Fatty Acids With Biological Properties. , 2017, , 127-178. | | 0 |
| 115 | Recent Progress in Biosensors for Environmental Monitoring: A Review. <i>Sensors</i> , 2017, 17, 2918. | 3.8 | 255 |
| 116 | Geochemistry Soil, Organic Components , 2017, , . | | 0 |
| 117 | Microplastics Occurrence, Fate and Behaviour in the Environment. <i>Comprehensive Analytical Chemistry</i> , 2017, , 1-24. | 1.3 | 67 |
| 118 | Extraction, Characterization, and Use of Carrageenans. , 2017, , 37-90. | | 0 |
| 119 | Echinoderms. <i>Studies in Natural Products Chemistry</i> , 2016, 49, 1-54. | 1.8 | 10 |
| 120 | Biophysical and Biochemical Markers of Metal/Metalloid-Impacts in Salt Marsh Halophytes and Their Implications. <i>Frontiers in Environmental Science</i> , 2016, 4, . | 3.3 | 37 |
| 121 | In vitro fermentation and prebiotic potential of selected extracts from seaweeds and mushrooms. <i>LWT - Food Science and Technology</i> , 2016, 73, 131-139. | 5.2 | 60 |
| 122 | Remediation of mercury contaminated saltwater with functionalized silica coated magnetite nanoparticles. <i>Science of the Total Environment</i> , 2016, 557-558, 712-721. | 8.0 | 38 |
| 123 | Development of an electrochemical biosensor for alkylphenol detection. <i>Talanta</i> , 2016, 158, 30-34. | 5.5 | 28 |
| 124 | (Nano)plastics in the environment Sources, fates and effects. <i>Science of the Total Environment</i> , 2016, 566-567, 15-26. | 8.0 | 725 |
| 125 | Critical overview on the application of sensors and biosensors for clinical analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 85, 36-60. | 11.4 | 113 |
| 126 | Fenton-like oxidation of small aromatic acids from biomass burning in atmospheric water and in the absence of light: Identification of intermediates and reaction pathways. <i>Chemosphere</i> , 2016, 154, 599-603. | 8.2 | 16 |

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|-----|--|------|-----------|
| 127 | Advantages and limitations of chemical extraction tests to predict mercury soil-plant transfer in soil risk evaluations. <i>Environmental Science and Pollution Research</i> , 2016, 23, 14327-14337. | 5.3 | 6 |
| 128 | Vanillic and syringic acids from biomass burning: Behaviour during Fenton-like oxidation in atmospheric aqueous phase and in the absence of light. <i>Journal of Hazardous Materials</i> , 2016, 313, 201-208. | 12.4 | 23 |
| 129 | Simple and effective chitosan based films for the removal of Hg from waters: Equilibrium, kinetic and ionic competition. <i>Chemical Engineering Journal</i> , 2016, 300, 217-229. | 12.7 | 61 |
| 130 | Transport phenomena of nanoparticles in plants and animals/humans. <i>Environmental Research</i> , 2016, 151, 233-243. | 7.5 | 60 |
| 131 | Effects of dietary exposure to herbicide and of the nutritive quality of contaminated food on the reproductive output of <i>Daphnia magna</i> . <i>Aquatic Toxicology</i> , 2016, 179, 1-7. | 4.0 | 16 |
| 132 | Source and pathway analysis of lead and polycyclic aromatic hydrocarbons in Lisbon urban soils. <i>Science of the Total Environment</i> , 2016, 573, 324-336. | 8.0 | 30 |
| 133 | Biological synthesis of nanosized sulfide semiconductors: current status and future prospects. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 8283-8302. | 3.6 | 21 |
| 134 | Comparative study on metal biosorption by two macroalgae in saline waters: single and ternary systems. <i>Environmental Science and Pollution Research</i> , 2016, 23, 11985-11997. | 5.3 | 21 |
| 135 | Two chemically distinct light-absorbing pools of urban organic aerosols: A comprehensive multidimensional analysis of trends. <i>Chemosphere</i> , 2016, 145, 215-223. | 8.2 | 18 |
| 136 | Phagocytic cell responses to silica-coated dithiocarbamate-functionalized iron oxide nanoparticles and mercury co-exposures in <i>Anguilla anguilla</i> L.. <i>Environmental Science and Pollution Research</i> , 2016, 23, 12272-12286. | 5.3 | 3 |
| 137 | A synopsis on agingâ€™ Theories, mechanisms and future prospects. <i>Ageing Research Reviews</i> , 2016, 29, 90-112. | 10.9 | 277 |
| 138 | Sustainable approach for recycling seafood wastes for the removal of priority hazardous substances (Hg and Cd) from water. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 1199-1208. | 6.7 | 16 |
| 139 | Analytical tools to assess aging in humans: The rise of geri-omics. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 80, 204-212. | 11.4 | 8 |
| 140 | Supercritical fluid extraction of bioactive compounds. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 76, 40-51. | 11.4 | 430 |
| 141 | Contaminants in aquaculture: Overview of analytical techniques for their determination. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 80, 293-310. | 11.4 | 61 |
| 142 | Disposable biosensor for detection of iron (III) in wines. <i>Talanta</i> , 2016, 154, 80-84. | 5.5 | 17 |
| 143 | Immunosensors in Clinical Laboratory Diagnostics. <i>Advances in Clinical Chemistry</i> , 2016, 73, 65-108. | 3.7 | 33 |
| 144 | Risk assessment of urban soils contamination: The particular case of polycyclic aromatic hydrocarbons. <i>Science of the Total Environment</i> , 2016, 551-552, 271-284. | 8.0 | 91 |

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|-----|--|------|-----------|
| 145 | Sewage contamination of sediments from two Portuguese Atlantic coastal systems, revealed by fecal sterols. <i>Marine Pollution Bulletin</i> , 2016, 103, 319-324. | 5.0 | 27 |
| 146 | Photocatalytic Treatment of Olive Oil Mill Wastewater Using TiO ₂ and Fe ₂ O ₃ Nanomaterials. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1. | 2.4 | 14 |
| 147 | A framework to measure the availability of engineered nanoparticles in soils: Trends in soil tests and analytical tools. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 75, 129-140. | 11.4 | 68 |
| 148 | Challenges in the identification and characterization of free amino acids and proteinaceous compounds in atmospheric aerosols: A critical review. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 75, 97-107. | 11.4 | 49 |
| 149 | Label-free disposable immunosensor for detection of atrazine. <i>Talanta</i> , 2016, 146, 430-434. | 5.5 | 69 |
| 150 | Evaluation of cytotoxicity, morphological alterations and oxidative stress in Chinook salmon cells exposed to copper oxide nanoparticles. <i>Protoplasma</i> , 2016, 253, 873-884. | 2.1 | 34 |
| 151 | Fish and mercury: Influence of fish fillet culinary practices on human risk. <i>Food Control</i> , 2016, 60, 575-581. | 5.5 | 30 |
| 152 | Analytical Techniques for Discovery of Bioactive Compounds from Marine Fungi. , 2016, , 1-20. | | 2 |
| 153 | Aluminium oxide nanoparticles induced morphological changes, cytotoxicity and oxidative stress in Chinook salmon (CHSEâ€214) cells. <i>Journal of Applied Toxicology</i> , 2015, 35, 1133-1140. | 2.8 | 40 |
| 154 | Jacks of metal/metalloid chelation trade in plantsÃ¢â€an overview. <i>Frontiers in Plant Science</i> , 2015, 6, 192. | 3.6 | 148 |
| 155 | Assessment of cytotoxicity and oxidative stress induced by titanium oxide nanoparticles on Chinook salmon cells. <i>Environmental Science and Pollution Research</i> , 2015, 22, 15571-15578. | 5.3 | 15 |
| 156 | Assessing the ecotoxicity of metal nano-oxides with potential for wastewater treatment. <i>Environmental Science and Pollution Research</i> , 2015, 22, 13212-13224. | 5.3 | 51 |
| 157 | Analytical applications of affibodies. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 65, 73-82. | 11.4 | 26 |
| 158 | Lipid peroxidation and its control in <i>Anguilla anguilla</i> hepatocytes under silica-coated iron oxide nanoparticles (with or without mercury) exposure. <i>Environmental Science and Pollution Research</i> , 2015, 22, 9617-9625. | 5.3 | 4 |
| 159 | Marine Functional Foods. , 2015, , 969-994. | | 13 |
| 160 | Biological treatment with fungi of olive mill wastewater pre-treated by photocatalytic oxidation with nanomaterials. <i>Ecotoxicology and Environmental Safety</i> , 2015, 115, 234-242. | 6.0 | 39 |
| 161 | Sensors and biosensors for monitoring marine contaminants. <i>Trends in Environmental Analytical Chemistry</i> , 2015, 6-7, 21-30. | 10.3 | 38 |
| 162 | Nanoscale copper in the soilâ€plant system â€ toxicity and underlying potential mechanisms. <i>Environmental Research</i> , 2015, 138, 306-325. | 7.5 | 124 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 163 | Investigating the water-soluble organic functionality of urban aerosols using two-dimensional correlation of solid-state ¹³ C NMR and FTIR spectral data. <i>Atmospheric Environment</i> , 2015, 116, 245-252. | 4.1 | 38 |
| 164 | Testing single extraction methods and in vitro tests to assess the geochemical reactivity and human bioaccessibility of silver in urban soils amended with silver nanoparticles. <i>Chemosphere</i> , 2015, 135, 304-311. | 8.2 | 26 |
| 165 | Study on bioaccumulation and biosorption of mercury by living marine macroalgae: Prospecting for a new remediation biotechnology applied to saline waters. <i>Chemical Engineering Journal</i> , 2015, 281, 759-770. | 12.7 | 107 |
| 166 | Extraction of available and labile fractions of mercury from contaminated soils: The role of operational parameters. <i>Geoderma</i> , 2015, 259-260, 213-223. | 5.1 | 23 |
| 167 | Size-Dependent Arsenic Accumulation in <i>Scrobicularia plana</i> in a Temperate Coastal Lagoon (Ria de Aveiro). <i>Environmental Science and Pollution Research</i> , 2015, 22, 2231-2238. | 5.3 | 10 |
| 168 | Profiling Water-Soluble Organic Matter from Urban Aerosols Using Comprehensive Two-Dimensional Liquid Chromatography. <i>Aerosol Science and Technology</i> , 2015, 49, 381-389. | 3.1 | 17 |
| 169 | <i>Juncus maritimus</i> root biochemical assessment for its mercury stabilization potential in Ria de Aveiro coastal lagoon (Portugal). <i>Environmental Science and Pollution Research</i> , 2015, 22, 2231-2238. | 5.3 | 10 |
| 170 | Plant-beneficial elements status assessment in soil-plant system in the vicinity of a chemical industry complex: shedding light on forage grass safety issues. <i>Environmental Science and Pollution Research</i> , 2015, 22, 2239-2246. | 5.3 | 14 |
| 171 | Chemical composition and nutritive value of <i>Pleurotus citrinopileatus</i> var <i>cornucopiae</i> , <i>P. eryngii</i> , <i>P. salmoneo stramineus</i> , <i>Pholiota nameko</i> and <i>Hericium erinaceus</i> . <i>Journal of Food Science and Technology</i> , 2015, 52, 6927-6939. | 2.8 | 42 |
| 172 | Soil pore water distribution of silver and gold engineered nanoparticles in undisturbed soils under unsaturated conditions. <i>Chemosphere</i> , 2015, 136, 86-94. | 8.2 | 11 |
| 173 | Chemical composition of red, brown and green macroalgae from Buarcos bay in Central West Coast of Portugal. <i>Food Chemistry</i> , 2015, 183, 197-207. | 8.2 | 241 |
| 174 | Recent developments in recognition elements for chemical sensors and biosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 68, 2-17. | 11.4 | 242 |
| 175 | Unraveling the structural features of organic aerosols by NMR spectroscopy: a review. <i>Magnetic Resonance in Chemistry</i> , 2015, 53, 658-666. | 1.9 | 19 |
| 176 | Impact of Enzyme- and Ultrasound-Assisted Extraction Methods on Biological Properties of Red, Brown, and Green Seaweeds from the Central West Coast of Portugal. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 3177-3188. | 5.2 | 130 |
| 177 | Rescheduling the process of nanoparticle removal used for water mercury remediation can increase the risk to aquatic organism: evidence of innate immune functions modulation in European eel (<i>Anguilla anguilla</i> L.). <i>Environmental Science and Pollution Research</i> , 2015, 22, 18574-18589. | 5.3 | 5 |
| 178 | Metal partitioning and availability in estuarine surface sediments: Changes promoted by feeding activity of <i>Scrobicularia plana</i> and <i>Liza ramada</i> . <i>Estuarine, Coastal and Shelf Science</i> , 2015, 167, 240-247. | 2.1 | 10 |
| 179 | The controversial existence and functional potential of oogonial stem cells. <i>Maturitas</i> , 2015, 82, 278-281. | 2.4 | 41 |
| 180 | ¹ H NMR studies of water- and alkaline-soluble organic matter from fine urban atmospheric aerosols. <i>Atmospheric Environment</i> , 2015, 119, 374-380. | 4.1 | 38 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 181 | Impairment of mitochondrial energy metabolism of two marine fish by in vitro mercuric chloride exposure. <i>Marine Pollution Bulletin</i> , 2015, 97, 488-493. | 5.0 | 13 |
| 182 | Fenton-like oxidation of small aromatic acids from biomass burning in water and in the absence of light: Implications for atmospheric chemistry. <i>Chemosphere</i> , 2015, 119, 786-793. | 8.2 | 17 |
| 183 | A critical overview of the analytical approaches to the occurrence, the fate and the behavior of microplastics in the environment. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 65, 47-53. | 11.4 | 648 |
| 184 | Lipids and proteins are major targets of oxidative modifications in abiotic stressed plants. <i>Environmental Science and Pollution Research</i> , 2015, 22, 4099-4121. | 5.3 | 252 |
| 185 | Catalog of total excitation-emission and total synchronous fluorescence maps with synchronous fluorescence spectra of homologated fluorescent pesticides in large use in Morocco: development of a spectrometric low cost and direct analysis as an alert method in case of massive contamination of soils and waters by fluorescent pesticides. <i>Environmental Science and Pollution Research</i> , 2015, 22, 6766-6777. | 5.3 | 7 |
| 186 | Natural organic matter in urban aerosols: Comparison between water and alkaline soluble components using excitation-emission matrix fluorescence spectroscopy and multiway data analysis. <i>Atmospheric Environment</i> , 2015, 102, 1-10. | 4.1 | 75 |
| 187 | Soil management guidelines in Spain and Portugal related to EU Soil Protection Strategy based on analysis of soil databases. <i>Catena</i> , 2015, 126, 146-154. | 5.0 | 9 |
| 188 | Too much is bad: an appraisal of phytotoxicity of elevated plant-beneficial heavy metal ions. <i>Environmental Science and Pollution Research</i> , 2015, 22, 3361-3382. | 5.3 | 108 |
| 189 | An international proficiency test as a tool to evaluate mercury determination in environmental matrices. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 64, 136-148. | 11.4 | 9 |
| 190 | Characterization of freezing effect upon stability of, probiotic loaded, calcium-alginate microparticles. <i>Food and Bioprocess Technology</i> , 2015, 93, 90-97. | 3.6 | 34 |
| 191 | Disposable sensors for environmental monitoring of lead, cadmium and mercury. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 64, 183-190. | 11.4 | 82 |
| 192 | Thermo-desorption: A valid tool for mercury speciation in soils and sediments?. <i>Geoderma</i> , 2015, 237-238, 98-104. | 5.1 | 66 |
| 193 | Interference of the co-exposure of mercury with silica-coated iron oxide nanoparticles can modulate genotoxicity induced by their individual exposures: a paradox depicted in fish under in vitro conditions. <i>Environmental Science and Pollution Research</i> , 2015, 22, 3687-3696. | 5.3 | 13 |
| 194 | Effects of pre- and post-harvest factors on the selected elements contents in fruit juices. <i>Czech Journal of Food Sciences</i> , 2015, 33, 384-391. | 1.2 | 8 |
| 195 | Assessment of cardiovascular disease risk using immunosensors for determination of C-reactive protein levels in serum and saliva: a pilot study. <i>Bioanalysis</i> , 2014, 6, 1459-1470. | 1.5 | 14 |
| 196 | The role of operational parameters on the uptake of mercury by dithiocarbamate functionalized particles. <i>Chemical Engineering Journal</i> , 2014, 254, 559-570. | 12.7 | 19 |
| 197 | Glutathione and proline can coordinately make plants withstand the joint attack of metal(loid) and salinity stresses. <i>Frontiers in Plant Science</i> , 2014, 5, 662. | 3.6 | 111 |
| 198 | Green analytical methodologies for the discovery of bioactive compounds from marine sources. <i>Trends in Environmental Analytical Chemistry</i> , 2014, 3-4, 43-52. | 10.3 | 16 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 199 | The prediction of PAHs bioavailability in soils using chemical methods: State of the art and future challenges. <i>Science of the Total Environment</i> , 2014, 472, 463-480. | 8.0 | 93 |
| 200 | Uptake and depuration of PCB-153 in edible shrimp <i>Palaemonetes varians</i> and human health risk assessment. <i>Ecotoxicology and Environmental Safety</i> , 2014, 101, 97-102. | 6.0 | 9 |
| 201 | Soil microarthropod community testing: A new approach to increase the ecological relevance of effect data for pesticide risk assessment. <i>Applied Soil Ecology</i> , 2014, 83, 200-209. | 4.3 | 23 |
| 202 | <i>Halimione portulacoides</i> (L.) physiological/biochemical characterization for its adaptive responses to environmental mercury exposure. <i>Environmental Research</i> , 2014, 131, 39-49. | 7.5 | 18 |
| 203 | Oxidative stress status, antioxidant metabolism and polypeptide patterns in <i>Juncus maritimus</i> shoots exhibiting differential mercury burdens in Ria de Aveiro coastal lagoon (Portugal). <i>Environmental Science and Pollution Research</i> , 2014, 21, 6652-6661. | 5.3 | 10 |
| 204 | Cork stoppers as an effective sorbent for water treatment: the removal of mercury at environmentally relevant concentrations and conditions. <i>Environmental Science and Pollution Research</i> , 2014, 21, 2108-2121. | 5.3 | 44 |
| 205 | Metal/metalloid stress tolerance in plants: role of ascorbate, its redox couple, and associated enzymes. <i>Protoplasma</i> , 2014, 251, 1265-1283. | 2.1 | 121 |
| 206 | Extraction of mercury water-soluble fraction from soils: An optimization study. <i>Geoderma</i> , 2014, 213, 255-260. | 5.1 | 33 |
| 207 | Urban agriculture in Portugal: Availability of potentially toxic elements for plant uptake. <i>Applied Geochemistry</i> , 2014, 44, 27-37. | 3.0 | 21 |
| 208 | Single-bilayer graphene oxide sheet impacts and underlying potential mechanism assessment in germinating faba bean (<i>Vicia faba</i> L.). <i>Science of the Total Environment</i> , 2014, 472, 834-841. | 8.0 | 137 |
| 209 | Direct-reading methods for analysis of volatile organic compounds and nanoparticles in workplace air. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 53, 21-32. | 11.4 | 41 |
| 210 | Competitive effects on mercury removal by an agricultural waste: application to synthetic and natural spiked waters. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 661-673. | 2.2 | 17 |
| 211 | Temporal characterization of mercury accumulation at different trophic levels and implications for metal biomagnification along a coastal food web. <i>Marine Pollution Bulletin</i> , 2014, 87, 39-47. | 5.0 | 31 |
| 212 | Chromatography Coupled to Various Detectors as a Tool for Separation and Determination of Bioactive Compounds. <i>Comprehensive Analytical Chemistry</i> , 2014, 65, 219-252. | 1.3 | 4 |
| 213 | Classical Methodologies for Preparation of Extracts and Fractions. <i>Comprehensive Analytical Chemistry</i> , 2014, 65, 35-57. | 1.3 | 7 |
| 214 | Oral bioaccessibility and human exposure to anthropogenic and geogenic mercury in urban, industrial and mining areas. <i>Science of the Total Environment</i> , 2014, 496, 649-661. | 8.0 | 29 |
| 215 | Introduction to the Analysis of Bioactive Compounds in Marine Samples. <i>Comprehensive Analytical Chemistry</i> , 2014, , 1-13. | 1.3 | 8 |
| 216 | Dissolved organic and inorganic matter in bulk deposition of a coastal urban area: An integrated approach. <i>Journal of Environmental Management</i> , 2014, 145, 71-78. | 7.8 | 17 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 217 | Scrobicularia plana (Mollusca, Bivalvia) as a biomonitor for mercury contamination in Portuguese estuaries. <i>Ecological Indicators</i> , 2014, 46, 447-453. | 6.3 | 25 |
| 218 | Green Analytical Methodologies for Preparation of Extracts and Analysis of Bioactive Compounds. <i>Comprehensive Analytical Chemistry</i> , 2014, , 59-78. | 1.3 | 38 |
| 219 | A Multidisciplinary Approach to Evaluate the Efficiency of a Clean-Up Technology to Remove Mercury from Water. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2014, 93, 138-143. | 2.7 | 3 |
| 220 | Geochemistry, mineralogy, solid-phase fractionation and oral bioaccessibility of lead in urban soils of Lisbon. <i>Environmental Geochemistry and Health</i> , 2014, 36, 867-881. | 3.4 | 33 |
| 221 | Salt Marsh Halophyte Services to Metalloids Remediation: Assessment of the Processes and Underlying Mechanisms. <i>Critical Reviews in Environmental Science and Technology</i> , 2014, 44, 2038-2106. | 12.8 | 58 |
| 222 | Mercury Bioaccumulation in the Egyptian Mongoose (<i>Herpestes ichneumon</i>): Geographical, Tissue, Gender and Age Differences. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1. | 2.4 | 7 |
| 223 | Brain glutathione redox system significance for the control of silica-coated magnetite nanoparticles with or without mercury co-exposures mediated oxidative stress in European eel (<i>Anguilla anguilla</i>) | 1.0 | 14 |
| 224 | Efficiency of a cleanup technology to remove mercury from natural waters by means of rice husk biowaste: ecotoxicological and chemical approach. <i>Environmental Science and Pollution Research</i> , 2014, 21, 8146-8156. | 5.3 | 6 |
| 225 | Mercury accumulation and tissue-specific antioxidant efficiency in the wild European sea bass (<i>Dicentrarchus labrax</i>) with emphasis on seasonality. <i>Environmental Science and Pollution Research</i> , 2014, 21, 10638-10651. | 5.3 | 15 |
| 226 | Online Combination of Bioassays with Chemical and Structural Characterization for Detection of Bioactive Compounds. <i>Comprehensive Analytical Chemistry</i> , 2014, , 253-278. | 1.3 | 2 |
| 227 | Modulation of glutathione and its dependent enzymes in gill cells of <i>Anguilla anguilla</i> exposed to silica coated iron oxide nanoparticles with or without mercury co-exposure under in vitro condition. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2014, 162, 7-14. | 2.6 | 17 |
| 228 | Bioactive compounds derived from echinoderms. <i>RSC Advances</i> , 2014, 4, 29365-29382. | 3.6 | 26 |
| 229 | The Impact of Uranium Mine Contamination of Soils on Plant Litter Decomposition. <i>Archives of Environmental Contamination and Toxicology</i> , 2014, 67, 601-616. | 4.1 | 7 |
| 230 | Removal of phenolic compounds in olive mill wastewater by silica-alginate fungi biocomposites. <i>International Journal of Environmental Science and Technology</i> , 2014, 11, 589-596. | 3.5 | 28 |
| 231 | Long-term monitoring of a mercury contaminated estuary (Ria de Aveiro, Portugal): the effect of weather events and management in mercury transport. <i>Hydrological Processes</i> , 2014, 28, 352-360. | 2.6 | 26 |
| 232 | Single-bilayer graphene oxide sheet tolerance and glutathione redox system significance assessment in faba bean (<i>Vicia faba</i> L.). <i>Journal of Nanoparticle Research</i> , 2013, 15, 1. | 1.9 | 59 |
| 233 | Silver nanoparticles in soil-plant systems. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1. | 1.9 | 144 |
| 234 | Risks associated with the transfer of toxic organo-metallic mercury from soils into the terrestrial feed chain. <i>Environment International</i> , 2013, 59, 408-417. | 10.0 | 30 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 235 | Valuation of Unmodified Rice Husk Waste as an Eco-Friendly Sorbent to Remove Mercury: a Study Using Environmental Realistic Concentrations. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1. | 2.4 | 42 |
| 236 | Competitive Removal of Cd ²⁺ and Hg ²⁺ Ions from Water Using Titanosilicate ETS-4: Kinetic Behaviour and Selectivity. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1. | 2.4 | 22 |
| 237 | Core-shell magnetite-silica dithiocarbamate-derivatised particles achieve the Water Framework Directive quality criteria for mercury in surface waters. <i>Environmental Science and Pollution Research</i> , 2013, 20, 5963-5974. | 5.3 | 20 |
| 238 | Phenological development stages variation versus mercury tolerance, accumulation, and allocation in salt marsh macrophytes <i>Triglochin maritima</i> and <i>Scirpus maritimus</i> prevalent in Ria de Aveiro coastal lagoon (Portugal). <i>Environmental Science and Pollution Research</i> , 2013, 20, 3910-3922. | 5.3 | 8 |
| 239 | A simple approach to reduce dimensionality from comprehensive two-dimensional liquid chromatography coupled with a multichannel detector. <i>Analytica Chimica Acta</i> , 2013, 804, 296-303. | 5.4 | 10 |
| 240 | The performance of <i>Fraxinus angustifolia</i> as a helper for metal phytoremediation programs and its relation to the endophytic bacterial communities. <i>Geoderma</i> , 2013, 202-203, 171-182. | 5.1 | 18 |
| 241 | PCBs in the fish assemblage of a southern European estuary. <i>Journal of Sea Research</i> , 2013, 76, 22-30. | 1.6 | 12 |
| 242 | Major and minor element geochemistry of deep-sea sediments in the Azores Platform and southern seamount region. <i>Marine Pollution Bulletin</i> , 2013, 75, 264-275. | 5.0 | 9 |
| 243 | Organochlorine contaminants in different tissues from <i>Platichthys flesus</i> (Pisces, Pleuronectidea). <i>Chemosphere</i> , 2013, 93, 1632-1638. | 8.2 | 7 |
| 244 | Seasonal and air mass trajectory effects on dissolved organic matter of bulk deposition at a coastal town in south-western Europe. <i>Environmental Science and Pollution Research</i> , 2013, 20, 227-237. | 5.3 | 35 |
| 245 | <i>Eriophorum angustifolium</i> and <i>Lolium perenne</i> metabolic adaptations to metals- and metalloids-induced anomalies in the vicinity of a chemical industrial complex. <i>Environmental Science and Pollution Research</i> , 2013, 20, 568-581. | 5.3 | 25 |
| 246 | Mercury's mitochondrial targeting with increasing age in <i>Scrobicularia plana</i> inhabiting a contaminated lagoon: Damage-protection dichotomy and organ specificities. <i>Chemosphere</i> , 2013, 92, 1231-1237. | 8.2 | 4 |
| 247 | Mercury bioaccumulation and decontamination kinetics in the edible cockle <i>Cerastoderma edule</i> . <i>Chemosphere</i> , 2013, 90, 1854-1859. | 8.2 | 18 |
| 248 | The inner filter effects and their correction in fluorescence spectra of salt marsh humic matter. <i>Analytica Chimica Acta</i> , 2013, 788, 99-107. | 5.4 | 46 |
| 249 | Effects of geometry parameters of NTFET devices on the I _d -V measurements. <i>Solid-State Electronics</i> , 2013, 81, 32-34. | 1.4 | 3 |
| 250 | Morphological, compositional and ultrastructural changes in the <i>Scrobicularia plana</i> shell in response to environmental mercury - An indelible fingerprint of metal exposure?. <i>Chemosphere</i> , 2013, 90, 2697-2704. | 8.2 | 1 |
| 251 | Changes in zooplankton communities along a mercury contamination gradient in a coastal lagoon (Ria de Aveiro, Portugal). <i>Marine Pollution Bulletin</i> , 2013, 76, 170-177. | 5.0 | 26 |
| 252 | Numerical simulation of a reversed flow small-scale combustor. <i>Fuel Processing Technology</i> , 2013, 107, 126-137. | 7.2 | 45 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 253 | Determination of anionic surface active agents using silica coated magnetite nanoparticles modified with cationic surfactant aggregates. <i>Journal of Chromatography A</i> , 2013, 1299, 25-32. | 3.7 | 26 |
| 254 | Impact of mercury contamination on the population dynamics of <i>Peringia ulvae</i> (Gastropoda): Implications on metal transfer through the trophic web. <i>Estuarine, Coastal and Shelf Science</i> , 2013, 129, 189-197. | 2.1 | 24 |
| 255 | Chromatographic response functions in 1D and 2D chromatography as tools for assessing chemical complexity. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 45, 14-23. | 11.4 | 17 |
| 256 | Nanoscale materials and their use in water contaminants removal—a review. <i>Environmental Science and Pollution Research</i> , 2013, 20, 1239-1260. | 5.3 | 192 |
| 257 | Influence of sex and age on PCBs accumulation in the commercial fish <i>Chelon labrosus</i> . <i>Journal of Sea Research</i> , 2013, 79, 27-31. | 1.6 | 5 |
| 258 | Mercury biomagnification in a contaminated estuary food web: Effects of age and trophic position using stable isotope analyses. <i>Marine Pollution Bulletin</i> , 2013, 69, 110-115. | 5.0 | 66 |
| 259 | Humic acids as proxies for assessing different Mediterranean forest soils signatures using solid-state CP/MAS ¹³ C NMR spectroscopy. <i>Chemosphere</i> , 2013, 91, 1556-1565. | 8.2 | 16 |
| 260 | Strategies for enhancing the analytical performance of nanomaterial-based sensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 47, 27-36. | 11.4 | 103 |
| 261 | Glutathione and its dependent enzymes—modulatory responses to toxic metals and metalloids in fish—a review. <i>Environmental Science and Pollution Research</i> , 2013, 20, 2133-2149. | 5.3 | 147 |
| 262 | Strategies based on silica monoliths for removing pollutants from wastewater effluents: A review. <i>Science of the Total Environment</i> , 2013, 461-462, 126-138. | 8.0 | 28 |
| 263 | Organochlorine accumulation on a highly consumed bivalve (<i>Scrobicularia plana</i>) and its main implications for human health. <i>Science of the Total Environment</i> , 2013, 461-462, 188-197. | 8.0 | 22 |
| 264 | Disposable immunosensors for C-reactive protein based on carbon nanotubes field effect transistors. <i>Talanta</i> , 2013, 108, 165-170. | 5.5 | 42 |
| 265 | PCB bioaccumulation in three mullet species—A comparison study. <i>Ecotoxicology and Environmental Safety</i> , 2013, 94, 147-152. | 6.0 | 10 |
| 266 | Advances in point-of-care technologies with biosensors based on carbon nanotubes. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 45, 24-36. | 11.4 | 105 |
| 267 | Major inputs and mobility of potentially toxic elements contamination in urban areas. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 279-294. | 2.7 | 47 |
| 268 | Toxicity of organic and inorganic nanoparticles to four species of white-rot fungi. <i>Science of the Total Environment</i> , 2013, 458-460, 290-297. | 8.0 | 26 |
| 269 | Risk assessment for Cd, Cu, Pb and Zn in urban soils: Chemical availability as the central concept. <i>Environmental Pollution</i> , 2013, 183, 234-242. | 7.5 | 106 |
| 270 | Mercury bioaccumulation and the population dynamics of <i>Mesopodopsis slabberi</i> (Crustacea: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 | 2.4 | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 271 | Removal of the organic content from a bleached kraft pulp mill effluent by a treatment with silica-alginate-fungi biocomposites. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2013, 48, 166-172. | 1.7 | 16 |
| 272 | A cost-effective and eco-friendly treatment technology to remove realistic levels of mercury by means of the unmodified rice husk. <i>E3S Web of Conferences</i> , 2013, 1, 25002. | 0.5 | 2 |
| 273 | 4. The principals of cheese making: an overview. <i>Human Health Handbooks</i> , 2013, , 53-72. | 0.1 | 4 |
| 274 | Antioxidative Peptides: Trends and Perspectives for Future Research. <i>Current Medicinal Chemistry</i> , 2013, 20, 4575-4594. | 2.4 | 40 |
| 275 | 48. The influence of probiotic bacteria and prebiotic compounds on the free fatty acid profile of cheese. <i>Human Health Handbooks</i> , 2013, , 733-750. | 0.1 | 1 |
| 276 | Sensing of volatile organic compounds in indoor atmosphere and confined areas of industrial environments. <i>Global Nest Journal</i> , 2013, 10, 217-225. | 0.1 | 0 |
| 277 | Biological and photo-fenton treatment of olive oil mill wastewater. <i>Global Nest Journal</i> , 2013, 10, 419-425. | 0.1 | 2 |
| 278 | Treatment of the effluent from a kraft bleach plant with white rot fungi <i>Pleurotus sajor caju</i> and <i>pleurotus ostreatus</i> . <i>Global Nest Journal</i> , 2013, 10, 426-431. | 0.1 | 0 |
| 279 | DIFFERENTIATION OF CAROB TREE (<i>CERATONIA SILIQUA L.</i>) CULTIVARS BY ELEMENTAL FINGERPRINTING OF LEAVES. <i>Acta Horticulturae</i> , 2012, , 453-457. | 0.2 | 1 |
| 280 | An insight into the adsorption and electrochemical processes occurring during the analysis of copper and lead in wines, using an electrochemical quartz crystal nanobalance.. <i>Talanta</i> , 2012, 98, 14-18. | 5.5 | 1 |
| 281 | Analytical strategies for characterization and validation of functional dairy foods. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 41, 27-45. | 11.4 | 10 |
| 282 | Treatment of Olive Oil Mill Wastewater by Silica-Alginate-Fungi Biocomposites. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 4307-4318. | 2.4 | 12 |
| 283 | Salt marsh macrophyte <i>Phragmites australis</i> strategies assessment for its dominance in mercury-contaminated coastal lagoon (Ria de Aveiro, Portugal). <i>Environmental Science and Pollution Research</i> , 2012, 19, 2879-2888. | 5.3 | 25 |
| 284 | Trace elements in two marine fish species during estuarine residency: Non-essential versus essential. <i>Marine Pollution Bulletin</i> , 2012, 64, 2844-2848. | 5.0 | 9 |
| 285 | A generalization of a chromatographic response function for application in non-target one- and two-dimensional chromatography of complex samples. <i>Journal of Chromatography A</i> , 2012, 1263, 141-150. | 3.7 | 9 |
| 286 | Mercury uptake and allocation in <i>Juncus maritimus</i> : implications for phytoremediation and restoration of a mercury contaminated salt marsh. <i>Journal of Environmental Monitoring</i> , 2012, 14, 2181. | 2.1 | 13 |
| 287 | Characterization and validation of a Portuguese natural reference soil to be used as substrate for ecotoxicological purposes. <i>Journal of Environmental Monitoring</i> , 2012, 14, 925. | 2.1 | 12 |
| 288 | Screening of single-walled carbon nanotubes by optical fiber sensing. <i>Talanta</i> , 2012, 89, 105-108. | 5.5 | 7 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 289 | Development and validation of a simple thermo-desorption technique for mercury speciation in soils and sediments. <i>Talanta</i> , 2012, 99, 363-368. | 5.5 | 65 |
| 290 | Optical Fiber Bioanalyzer Based on Enzymatic Coating Matrix for Catecholamines and Their Metabolites Assessment in Patients With Down Syndrome. <i>IEEE Sensors Journal</i> , 2012, 12, 76-84. | 4.7 | 3 |
| 291 | Water column characterisation on the Azores platform and at the sea mounts south of the archipelago. <i>Marine Pollution Bulletin</i> , 2012, 64, 1884-1894. | 5.0 | 6 |
| 292 | Resolving the chemical heterogeneity of natural organic matter: New insights from comprehensive two-dimensional liquid chromatography. <i>Journal of Chromatography A</i> , 2012, 1249, 138-146. | 3.7 | 23 |
| 293 | Soil-plant-animal transfer models to improve soil protection guidelines: A case study from Portugal. <i>Environment International</i> , 2012, 39, 27-37. | 10.0 | 49 |
| 294 | Trends in data processing of comprehensive two-dimensional chromatography: State of the art. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 910, 31-45. | 2.3 | 55 |
| 295 | Marine biotechnology advances towards applications in new functional foods. <i>Biotechnology Advances</i> , 2012, 30, 1506-1515. | 11.7 | 102 |
| 296 | Immobilization strategies and analytical applications for metallic and metal-oxide nanomaterials on surfaces. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 40, 90-105. | 11.4 | 64 |
| 297 | A fluorescence-based optical fiber analyzer for catecholamine determination. <i>Analytical Methods</i> , 2012, 4, 2300. | 2.7 | 6 |
| 298 | Pesticide application to agricultural fields: effects on the reproduction and avoidance behaviour of <i>Folsomia candida</i> and <i>Eisenia andrei</i> . <i>Ecotoxicology</i> , 2012, 21, 2113-2122. | 2.4 | 52 |
| 299 | Derivation of soil to plant transfer functions for metals and metalloids: impact of contaminant's availability. <i>Plant and Soil</i> , 2012, 361, 329-341. | 3.7 | 30 |
| 300 | Mercury-Induced Chromosomal Damage in Wild Fish (<i>Dicentrarchus labrax</i> L.) Reflecting Aquatic Contamination in Contrasting Seasons. <i>Archives of Environmental Contamination and Toxicology</i> , 2012, 63, 554-562. | 4.1 | 12 |
| 301 | Excreted Thiocyanate Detects Live Reef Fishes Illegally Collected Using Cyanide: A Non-Invasive and Non-Destructive Testing Approach. <i>PLoS ONE</i> , 2012, 7, e35355. | 2.5 | 22 |
| 302 | Improving Growth and Productivity of Oleiferous Brassicas under Changing Environment: Significance of Nitrogen and Sulphur Nutrition, and Underlying Mechanisms. <i>Scientific World Journal</i> , The, 2012, 2012, 1-12. | 2.1 | 53 |
| 303 | Removal of Arsenic from Aqueous Solutions by Sorption onto Sewage Sludge-Based Sorbent. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 2311-2321. | 2.4 | 38 |
| 304 | Evaluation of Species-Specific Dissimilarities in Two Marine Fish Species: Mercury Accumulation as a Function of Metal Levels in Consumed Prey. <i>Archives of Environmental Contamination and Toxicology</i> , 2012, 63, 125-136. | 4.1 | 22 |
| 305 | A new chromatographic response function for assessing the separation quality in comprehensive two-dimensional liquid chromatography. <i>Journal of Chromatography A</i> , 2012, 1225, 121-131. | 3.7 | 17 |
| 306 | Mercury contaminated systems under recovery can represent an increased risk to seafood human consumers - A paradox depicted in bivalves' body burdens. <i>Food Chemistry</i> , 2012, 133, 665-670. | 8.2 | 21 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 307 | The effects of changes to estuarine hydrology on system phosphorous retention capacity: The Mondego estuary, Portugal. <i>Estuarine, Coastal and Shelf Science</i> , 2012, 99, 85-94. | 2.1 | 10 |
| 308 | Role of non-enzymatic antioxidants on the bivalves' adaptation to environmental mercury: Organ-specificities and age effect in <i>Scrobicularia plana</i> inhabiting a contaminated lagoon. <i>Environmental Pollution</i> , 2012, 163, 218-225. | 7.5 | 23 |
| 309 | First spectroscopic study on the structural features of dissolved organic matter isolated from rainwater in different seasons. <i>Science of the Total Environment</i> , 2012, 426, 172-179. | 8.0 | 56 |
| 310 | Levels, sources and potential human health risks of organic pollutants in urban soils. <i>Science of the Total Environment</i> , 2012, 430, 184-192. | 8.0 | 204 |
| 311 | Analytical techniques for discovery of bioactive compounds from marine fungi. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 34, 97-110. | 11.4 | 52 |
| 312 | Considerations on the application of miniaturized sample preparation approaches for the analysis of organic compounds in environmental matrices. <i>Open Chemistry</i> , 2012, 10, 433-449. | 1.9 | 11 |
| 313 | Kinetics of Mercury Bioaccumulation in the Polychaete <i>Hediste diversicolor</i> and in the Bivalve <i>Scrobicularia plana</i> , Through a Dietary Exposure Pathway. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 421-428. | 2.4 | 8 |
| 314 | Olive oil mill wastewaters before and after treatment: a critical review from the ecotoxicological point of view. <i>Ecotoxicology</i> , 2012, 21, 615-629. | 2.4 | 97 |
| 315 | Sources of potentially toxic elements and organic pollutants in an urban area subjected to an industrial impact. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 15-32. | 2.7 | 42 |
| 316 | Hg transfer from contaminated soils to plants and animals. <i>Environmental Chemistry Letters</i> , 2012, 10, 61-67. | 16.2 | 37 |
| 317 | Metal Hyperaccumulation and Tolerance in <i>Alyssum</i> , <i>Arabidopsis</i> and <i>Thlaspi</i> : An Overview. <i>Environmental Pollution</i> , 2012, , 99-137. | 0.4 | 7 |
| 318 | Optical fiber based methodology for assessment of thiocyanate in seawater. <i>Journal of Environmental Monitoring</i> , 2011, 13, 1811. | 2.1 | 7 |
| 319 | Lipid peroxidation vs. antioxidant modulation in the bivalve <i>Scrobicularia plana</i> in response to environmental mercury—Organ specificities and age effect. <i>Aquatic Toxicology</i> , 2011, 103, 150-158. | 4.0 | 51 |
| 320 | Brain as a critical target of mercury in environmentally exposed fish (<i>Dicentrarchus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td (labrax | 4.0 | 54 |
| 321 | Carbofuran effects in soil nematode communities: Using trait and taxonomic based approaches. <i>Ecotoxicology and Environmental Safety</i> , 2011, 74, 2002-2012. | 6.0 | 38 |
| 322 | Mercury accumulation patterns and biochemical endpoints in wild fish (<i>Liza aurata</i>): A multi-organ approach. <i>Ecotoxicology and Environmental Safety</i> , 2011, 74, 2225-2232. | 6.0 | 18 |
| 323 | Removal of mercury (II) by dithiocarbamate surface functionalized magnetite particles: Application to synthetic and natural spiked waters. <i>Water Research</i> , 2011, 45, 5773-5784. | 11.3 | 92 |
| 324 | Breath analysis by optical fiber sensor for the determination of exhaled organic compounds with a view to diagnostics. <i>Talanta</i> , 2011, 83, 1586-1594. | 5.5 | 43 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 325 | Gas chromatography – Optical fiber detector for assessment of fatty acids in urban soils. <i>Talanta</i> , 2011, 85, 222-229. | 5.5 | 8 |
| 326 | Monomethylmercury behaviour in sediments collected from a mercury-contaminated lagoon. <i>International Journal of Environmental Analytical Chemistry</i> , 2011, 91, 49-61. | 3.3 | 10 |
| 327 | Accumulation of metals in <i>Anguilla anguilla</i> from the Tagus estuary and relationship to environmental contamination. <i>Journal of Applied Ichthyology</i> , 2011, 27, 1265-1271. | 0.7 | 9 |
| 328 | A critical review of advanced analytical techniques for water-soluble organic matter from atmospheric aerosols. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 1659-1671. | 11.4 | 53 |
| 329 | Fixed-bed removal of Hg ²⁺ from contaminated water by microporous titanosilicate ETS-4: Experimental and theoretical breakthrough curves. <i>Microporous and Mesoporous Materials</i> , 2011, 145, 32-40. | 4.4 | 48 |
| 330 | In situ aquatic bioassessment of pesticides applied on rice fields using a microalga and daphnids. <i>Science of the Total Environment</i> , 2011, 409, 3375-3385. | 8.0 | 11 |
| 331 | Chemical composition of rainwater at a coastal town on the southwest of Europe: What changes in 20years?. <i>Science of the Total Environment</i> , 2011, 409, 3548-3553. | 8.0 | 45 |
| 332 | Fish consumption and risk of contamination by mercury – Considerations on the definition of edible parts based on the case study of European sea bass. <i>Marine Pollution Bulletin</i> , 2011, 62, 2850-2853. | 5.0 | 17 |
| 333 | Lifespan mercury accumulation pattern in <i>Liza aurata</i> : Evidence from two southern European estuaries. <i>Estuarine, Coastal and Shelf Science</i> , 2011, 94, 315-321. | 2.1 | 16 |
| 334 | Modulation of glutathione and its related enzymes in plants – responses to toxic metals and metalloids – A review. <i>Environmental and Experimental Botany</i> , 2011, 75, 307-307. | 4.2 | 84 |
| 335 | Mercury cycling and sequestration in salt marshes sediments: An ecosystem service provided by <i>Juncus maritimus</i> and <i>Scirpus maritimus</i> . <i>Environmental Pollution</i> , 2011, 159, 1869-1876. | 7.5 | 56 |
| 336 | Immunosuppression in the infaunal bivalve <i>Scrobicularia plana</i> environmentally exposed to mercury and association with its accumulation. <i>Chemosphere</i> , 2011, 82, 1541-1546. | 8.2 | 20 |
| 337 | The water-soluble fraction of potentially toxic elements in contaminated soils: Relationships between ecotoxicity, solubility and geochemical reactivity. <i>Chemosphere</i> , 2011, 84, 1495-1505. | 8.2 | 35 |
| 338 | Metallothioneins failed to reflect mercury external levels of exposure and bioaccumulation in marine fish – Considerations on tissue and species specific responses. <i>Chemosphere</i> , 2011, 85, 114-121. | 8.2 | 51 |
| 339 | Evaluation of tertiary treatment by fungi, enzymatic and photo-Fenton oxidation on the removal of phenols from a kraft pulp mill effluent: a comparative study. <i>Biodegradation</i> , 2011, 22, 267-274. | 3.0 | 14 |
| 340 | Assessment of Mercury in Water, Sediments and Biota of a Southern European Estuary (Sado Estuary,) | 2.45 | 23 |
| 341 | Evaluation of the Sub-lethal Toxicity of Bleached Kraft Pulp Mill Effluent to <i>Carassius auratus</i> and <i>Dicentrarchus labrax</i> . <i>Water, Air, and Soil Pollution</i> , 2011, 217, 35-45. | 2.4 | 3 |
| 342 | Kinetics of Mercury Accumulation and Its Effects on <i>Ulva lactuca</i> Growth Rate at Two Salinities and Exposure Conditions. <i>Water, Air, and Soil Pollution</i> , 2011, 217, 689-699. | 2.4 | 30 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 343 | Impact of Seasonal Fluctuations on the Sediment-Mercury, its Accumulation and Partitioning in <i>Halimione portulacoides</i> and <i>Juncus maritimus</i> Collected from Ria de Aveiro Coastal Lagoon (Portugal). <i>Water, Air, and Soil Pollution</i> , 2011, 222, 1-15. | 2.4 | 41 |
| 344 | Differential Sex, Morphotype and Tissue Accumulation of Mercury in the Crab <i>Carcinus maenas</i> . <i>Water, Air, and Soil Pollution</i> , 2011, 222, 65-75. | 2.4 | 11 |
| 345 | Mercury Organotropism in Feral European Sea Bass (<i>Dicentrarchus labrax</i>). <i>Archives of Environmental Contamination and Toxicology</i> , 2011, 61, 135-143. | 4.1 | 23 |
| 346 | Performance of Ex Situ Bismuth Film Rotating Disk Electrode in Trace Metal Analysis by Stripping Chronopotentiometry: Definition of the Depletion Regime and Optimization of Experimental Parameters. <i>Electroanalysis</i> , 2011, 23, 1891-1900. | 2.9 | 9 |
| 347 | Optical fibre-based methodology for screening the effect of probiotic bacteria on conjugated linoleic acid (CLA) in curdled milk. <i>Food Chemistry</i> , 2011, 127, 222-227. | 8.2 | 17 |
| 348 | Optimizing size-exclusion chromatographic conditions using a composite objective function and chemometric tools: Application to natural organic matter profiling. <i>Analytica Chimica Acta</i> , 2011, 688, 90-98. | 5.4 | 18 |
| 349 | Elemental analysis for categorization of wines and authentication of their certified brand of origin. <i>Journal of Food Composition and Analysis</i> , 2011, 24, 548-562. | 3.9 | 77 |
| 350 | Sampling and characterization of nanoaerosols in different environments. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 554-567. | 11.4 | 12 |
| 351 | Sterols and fatty acid biomarkers as indicators of changes in soil microbial communities in a uranium mine area. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011, 46, 659-668. | 1.7 | 6 |
| 352 | Restoration of Seagrass Community to Reverse Eutrophication in Estuaries. , 2011, , 151-164. | | 11 |
| 353 | Vilsmeier-Haack formylation of Cu(II) and Ni(II) porphyrin complexes under microwaves irradiation. <i>Journal of Porphyrins and Phthalocyanines</i> , 2011, 15, 652-658. | 0.8 | 21 |
| 354 | Optical fiber biosensor based on enzymatic coating matrix for catecholamines assessment in human urine. <i>Proceedings of SPIE</i> , 2010, , . | 0.8 | 1 |
| 355 | Optical fiber micro-analyzer for real-time monitoring of trimethylamine. , 2010, , . | | 0 |
| 356 | Development and Application of an Off-Line SPE- LC -UV Methodology for the Determination of Penoxsulam in Aquatic Systems Adjacent to Rice Fields. <i>Chromatographia</i> , 2010, 71, 347-350. | 1.3 | 5 |
| 357 | Are Great Tits (<i>Parus major</i>) Inhabiting the Vicinity of a Pulp Mill Healthy? Impacts on Physiology and Breeding Performance. <i>Archives of Environmental Contamination and Toxicology</i> , 2010, 59, 502-512. | 4.1 | 5 |
| 358 | Effect of pH and temperature on Hg^{2+} water decontamination using ETS-4 titanosilicate. <i>Journal of Hazardous Materials</i> , 2010, 175, 439-444. | 12.4 | 33 |
| 359 | Degradation of phenols in olive oil mill wastewater by biological, enzymatic, and photo-Fenton oxidation. <i>Environmental Science and Pollution Research</i> , 2010, 17, 650-656. | 5.3 | 61 |
| 360 | Effects of tertiary treatment by fungi on organic compounds in a kraft pulp mill effluent. <i>Environmental Science and Pollution Research</i> , 2010, 17, 866-874. | 5.3 | 17 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 361 | Antioxidant system breakdown in brain of feral golden grey mullet (<i>Liza aurata</i>) as an effect of mercury exposure. <i>Ecotoxicology</i> , 2010, 19, 1034-1045. | 2.4 | 52 |
| 362 | Mercury bioaccumulation in the spotted dogfish (<i>Scyliorhinus canicula</i>) from the Atlantic Ocean. <i>Marine Pollution Bulletin</i> , 2010, 60, 1372-1375. | 5.0 | 30 |
| 363 | Mercury partition in the interface between a contaminated lagoon and the ocean: The role of particulate load and composition. <i>Marine Pollution Bulletin</i> , 2010, 60, 1658-1666. | 5.0 | 16 |
| 364 | Evaluation of the ecological effects of heavy metals on the assemblages of benthic foraminifera of the canals of Aveiro (Portugal). <i>Estuarine, Coastal and Shelf Science</i> , 2010, 87, 293-304. | 2.1 | 42 |
| 365 | Daily and inter-tidal variations of Fe, Mn and Hg in the water column of a contaminated salt marsh: Halophytes effect. <i>Estuarine, Coastal and Shelf Science</i> , 2010, 88, 91-98. | 2.1 | 16 |
| 366 | Effect of long term organic amendments on adsorption-desorption of thiram onto a luvisol soil derived from loess. <i>Chemosphere</i> , 2010, 80, 293-300. | 8.2 | 16 |
| 367 | Evaluation of an approach for the characterization of reactive and available pools of twenty potentially toxic elements in soils: Part I - The role of key soil properties in the variation of contaminants reactivity. <i>Chemosphere</i> , 2010, 81, 1549-1559. | 8.2 | 78 |
| 368 | Assessment of fatty acid as a differentiator of usages of urban soils. <i>Chemosphere</i> , 2010, 81, 968-975. | 8.2 | 9 |
| 369 | Extractability and mobility of mercury from agricultural soils surrounding industrial and mining contaminated areas. <i>Chemosphere</i> , 2010, 81, 1369-1377. | 8.2 | 79 |
| 370 | Evaluation of an approach for the characterization of reactive and available pools of 20 potentially toxic elements in soils: Part II - Solid-solution partition relationships and ion activity in soil solutions. <i>Chemosphere</i> , 2010, 81, 1560-1570. | 8.2 | 41 |
| 371 | Structural effects of the bioavailable fraction of pesticides in soil: Suitability of elutriate testing. <i>Journal of Hazardous Materials</i> , 2010, 184, 215-225. | 12.4 | 21 |
| 372 | Review of analytical figures of merit of sensors and biosensors in clinical applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 1172-1183. | 11.4 | 220 |
| 373 | A new chromatographic response function for use in size-exclusion chromatography optimization strategies: Application to complex organic mixtures. <i>Journal of Chromatography A</i> , 2010, 1217, 7556-7563. | 3.7 | 24 |
| 374 | Optical fibre-based micro-analyser for indirect measurements of volatile amines levels in fish. <i>Food Chemistry</i> , 2010, 123, 806-813. | 8.2 | 20 |
| 375 | Impact of a secondary treated bleached Kraft pulp mill effluent in both sexes of goldfish (<i>Carassius auratus</i>). <i>Environmental Engineering</i> , 2010, 45, 1858-1865. | 1.7 | 5 |
| 376 | Sorption-Desorption Behavior of Atrazine on Soils Subjected to Different Organic Long-Term Amendments. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 3101-3106. | 5.2 | 52 |
| 377 | Characterisation of interface formed at 650°C between AISI H13 steel and Al ₁₂ Si ₁ Cu aluminium melt. <i>International Journal of Cast Metals Research</i> , 2010, 23, 231-239. | 1.0 | 7 |
| 378 | Influence of different organic amendments on the potential availability of metals from soil: A study on metal fractionation and extraction kinetics by EDTA. <i>Chemosphere</i> , 2010, 78, 389-396. | 8.2 | 53 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 379 | Water-soluble fraction of mercury, arsenic and other potentially toxic elements in highly contaminated sediments and soils. <i>Chemosphere</i> , 2010, 78, 1301-1312. | 8.2 | 51 |
| 380 | Fluorescence characterization of daily and intertidal changes in estuarine water DOM related to the presence of <i>Sarcocornia perennis</i> (L.) A.J. Scott. <i>Organic Geochemistry</i> , 2010, 41, 734-741. | 1.8 | 2 |
| 381 | Modeling the analytical response of optical fiber sensors for aromatic compounds determination. <i>Talanta</i> , 2010, 82, 1403-1411. | 5.5 | 4 |
| 382 | Molecular fluorescence analysis of rainwater: Effects of sample preservation. <i>Talanta</i> , 2010, 82, 1616-1621. | 5.5 | 11 |
| 383 | Comparison between DAX-8 and C-18 solid phase extraction of rainwater dissolved organic matter. <i>Talanta</i> , 2010, 83, 505-512. | 5.5 | 19 |
| 384 | Mercury contamination in the vicinity of a chlor-alkali plant and potential risks to local population. <i>Science of the Total Environment</i> , 2009, 407, 2689-2700. | 8.0 | 82 |
| 385 | Contribution of primary producers to mercury trophic transfer in estuarine ecosystems: Possible effects of eutrophication. <i>Marine Pollution Bulletin</i> , 2009, 58, 358-365. | 5.0 | 21 |
| 386 | Mercury in sediments of the Azores deep sea platform and on sea mounts south of the archipelago – Assessment of background concentrations. <i>Marine Pollution Bulletin</i> , 2009, 58, 1583-1587. | 5.0 | 10 |
| 387 | The influence of anthropogenic and natural geochemical factors on urban soil quality variability: a comparison between Glasgow, UK and Aveiro, Portugal. <i>Environmental Chemistry Letters</i> , 2009, 7, 141-148. | 16.2 | 30 |
| 388 | Removal of Hg ²⁺ ions from aqueous solution by ETS-4 microporous titanosilicate – Kinetic and equilibrium studies. <i>Chemical Engineering Journal</i> , 2009, 151, 247-254. | 12.7 | 44 |
| 389 | Effect of pH on cadmium (II) removal from aqueous solution using titanosilicate ETS-4. <i>Chemical Engineering Journal</i> , 2009, 155, 728-735. | 12.7 | 26 |
| 390 | Effects of ECF-Kraft pulp mill effluent treated with fungi (<i>Rhizopus oryzae</i>) on reproductive steroids and liver CYP1A of exposed goldfish (<i>Carassius auratus</i>). <i>Ecotoxicology</i> , 2009, 18, 1011-1017. | 2.4 | 10 |
| 391 | Mercury pollution in Ria de Aveiro (Portugal): a review of the system assessment. <i>Environmental Monitoring and Assessment</i> , 2009, 155, 39-49. | 2.7 | 120 |
| 392 | Absorption and fluorescence properties of rainwater during the cold season at a town in Western Portugal. <i>Journal of Atmospheric Chemistry</i> , 2009, 62, 45-57. | 3.2 | 33 |
| 393 | Controlling factors and environmental implications of mercury contamination in urban and agricultural soils under a long-term influence of a chlor-alkali plant in the North-West Portugal. <i>Environmental Geology</i> , 2009, 57, 91-98. | 1.2 | 17 |
| 394 | Effect of NaCl on the growth and proline content of micropropagated <i>Ceratonia siliqua</i> L. plantlets. <i>New Biotechnology</i> , 2009, 25, S312. | 4.4 | 0 |
| 395 | Cadmium(II) removal from aqueous solution using microporous titanosilicate ETS-4. <i>Chemical Engineering Journal</i> , 2009, 147, 173-179. | 12.7 | 43 |
| 396 | Cadmium(II) removal from aqueous solution using microporous titanosilicate ETS-10. <i>Chemical Engineering Journal</i> , 2009, 155, 108-114. | 12.7 | 23 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 397 | Carbon nanotube field-effect transistor detector associated to gas chromatography for speciation of benzene, toluene, ethylbenzene, (o-, m- and p-)xylene. <i>Journal of Chromatography A</i> , 2009, 1216, 6517-6521. | 3.7 | 10 |
| 398 | High performance liquid chromatography coupled to an optical fiber detector coated with laccase for screening catecholamines in plasma and urine. <i>Journal of Chromatography A</i> , 2009, 1216, 7049-7054. | 3.7 | 42 |
| 399 | Priority pollutants (Hg ²⁺ and Cd ²⁺) removal from water by ETS-4 titanosilicate. <i>Desalination</i> , 2009, 249, 742-747. | 8.2 | 34 |
| 400 | Adsorption and Desorption Behavior of Thiram onto Humic Acid. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 4906-4912. | 5.2 | 11 |
| 401 | Polymeric nanofilm-coated optical fibre sensor for speciation of aromatic compounds. <i>International Journal of Environmental Analytical Chemistry</i> , 2009, 89, 183-197. | 3.3 | 16 |
| 402 | A review of regulatory decisions for environmental protection: Part I – Challenges in the implementation of national soil policies. <i>Environment International</i> , 2009, 35, 202-213. | 10.0 | 70 |
| 403 | A review of regulatory decisions for environmental protection: Part II – The case-study of contaminated land management in Portugal. <i>Environment International</i> , 2009, 35, 214-225. | 10.0 | 29 |
| 404 | The variability of polychlorinated biphenyls levels in urban soils from five European cities. <i>Environmental Pollution</i> , 2009, 157, 511-518. | 7.5 | 74 |
| 405 | Mercury intracellular partitioning and chelation in a salt marsh plant, <i>Halimione portulacoides</i> (L.) Aellen: Strategies underlying tolerance in environmental exposure. <i>Chemosphere</i> , 2009, 74, 530-536. | 8.2 | 46 |
| 406 | Spectroscopic characterization of dissolved organic matter isolated from rainwater. <i>Chemosphere</i> , 2009, 74, 1053-1061. | 8.2 | 67 |
| 407 | Accumulation, distribution and cellular partitioning of mercury in several halophytes of a contaminated salt marsh. <i>Chemosphere</i> , 2009, 76, 1348-1355. | 8.2 | 73 |
| 408 | Effects of organic and inorganic amendments on soil organic matter properties. <i>Geoderma</i> , 2009, 150, 38-45. | 5.1 | 118 |
| 409 | Remote optical fibre microsensor for monitoring BTEX in confined industrial atmospheres. <i>Talanta</i> , 2009, 78, 548-552. | 5.5 | 24 |
| 410 | Optical fiber biosensor coupled to chromatographic separation for screening of dopamine, norepinephrine and epinephrine in human urine and plasma. <i>Talanta</i> , 2009, 80, 853-857. | 5.5 | 68 |
| 411 | Comparative characterization of humic substances from the open ocean, estuarine water and fresh water. <i>Organic Geochemistry</i> , 2009, 40, 942-950. | 1.8 | 63 |
| 412 | The effectiveness of a biological treatment with <i>Rhizopus oryzae</i> and of a photo-Fenton oxidation in the mitigation of toxicity of a bleached kraft pulp mill effluent. <i>Water Research</i> , 2009, 43, 2471-2480. | 11.3 | 26 |
| 413 | Different mercury bioaccumulation kinetics by two macrobenthic species: The bivalve <i>Scrobicularia plana</i> and the polychaete <i>Hediste diversicolor</i> . <i>Marine Environmental Research</i> , 2009, 68, 12-18. | 2.5 | 25 |
| 414 | Relationships Between Carbon Sources, Trophic Level and Mercury Exposure in Generalist Shorebirds Revealed by Stable Isotope Ratios in Chicks. <i>Waterbirds</i> , 2009, 32, 311-321. | 0.3 | 15 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 415 | Optical fiber analyzer for in situ determination of nitrous oxide in workplace environments. <i>Journal of Environmental Monitoring</i> , 2009, 11, 852. | 2.1 | 10 |
| 416 | Microscale optical fibre sensor for BTEX monitoring in landfill leachate. <i>Analytical Methods</i> , 2009, 1, 100. | 2.7 | 16 |
| 417 | Mercury distribution in key tissues of fish (<i>Liza aurata</i>) inhabiting a contaminated estuary—implications for human and ecosystem health risk assessment. <i>Journal of Environmental Monitoring</i> , 2009, 11, 1004. | 2.1 | 90 |
| 418 | Biological treatment of the effluent from a bleached kraft pulp mill using basidiomycete and zygomycete fungi. <i>Science of the Total Environment</i> , 2009, 407, 3282-3289. | 8.0 | 66 |
| 419 | Pollution Problems in the Northeast Atlantic: Lessons Learned for Emerging Pollutants such as the Platinum Group Elements. <i>Ambio</i> , 2009, 38, 17-23. | 5.5 | 3 |
| 420 | The Influence of Diet on Mercury Intake by Little Tern Chicks. <i>Archives of Environmental Contamination and Toxicology</i> , 2008, 55, 317-328. | 4.1 | 13 |
| 421 | Mercury removal with titanosilicate ETS-4: Batch experiments and modelling. <i>Microporous and Mesoporous Materials</i> , 2008, 115, 98-105. | 4.4 | 40 |
| 422 | Development of a fluorosiloxane polymer-coated optical fibre sensor for detection of organic volatile compounds. <i>Sensors and Actuators B: Chemical</i> , 2008, 132, 280-289. | 7.8 | 27 |
| 423 | Evaluation of an interlaboratory proficiency-testing exercise for total mercury in environmental samples of soils, sediments and fish tissue. <i>TrAC - Trends in Analytical Chemistry</i> , 2008, 27, 959-970. | 11.4 | 25 |
| 424 | Thermogravimetric characteristics of water-soluble organic matter from atmospheric aerosols collected in a rural—coastal area. <i>Atmospheric Environment</i> , 2008, 42, 6670-6678. | 4.1 | 5 |
| 425 | Mercury fluxes between an impacted coastal lagoon and the Atlantic Ocean. <i>Estuarine, Coastal and Shelf Science</i> , 2008, 76, 787-796. | 2.1 | 23 |
| 426 | Variation in the mobilization of mercury into Black-winged Stilt <i>Himantopus himantopus</i> chicks in coastal salt pans, as revealed by stable isotopes. <i>Estuarine, Coastal and Shelf Science</i> , 2008, 77, 65-76. | 2.1 | 17 |
| 427 | The role of two sediment-dwelling invertebrates on the mercury transfer from sediments to the estuarine trophic web. <i>Estuarine, Coastal and Shelf Science</i> , 2008, 78, 505-512. | 2.1 | 35 |
| 428 | Inputs of organic carbon from Ria de Aveiro coastal lagoon to the Atlantic Ocean. <i>Estuarine, Coastal and Shelf Science</i> , 2008, 79, 751-757. | 2.1 | 15 |
| 429 | Granulometric selectivity in <i>Liza ramada</i> and potential contamination resulting from heavy metal load in feeding areas. <i>Estuarine, Coastal and Shelf Science</i> , 2008, 80, 281-288. | 2.1 | 11 |
| 430 | The macrobenthic community along a mercury contamination in a temperate estuarine system (Ria de Aveiro Lagoon, Portugal). <i>Estuarine, Coastal and Shelf Science</i> , 2008, 80, 100-110. | 8.0 | 60 |
| 431 | Assessment of methylmercury production in a temperate salt marsh (Ria de Aveiro Lagoon, Portugal). <i>Marine Pollution Bulletin</i> , 2008, 56, 153-158. | 5.0 | 20 |
| 432 | Influence of tidal resuspension on seston lithogenic and biogenic partitioning in shallow estuarine systems: Implications for sampling. <i>Marine Pollution Bulletin</i> , 2008, 56, 348-354. | 5.0 | 38 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 433 | Influence of bioturbation by <i>Hediste diversicolor</i> on mercury fluxes from estuarine sediments: A mesocosms laboratory experiment. <i>Marine Pollution Bulletin</i> , 2008, 56, 325-334. | 5.0 | 22 |
| 434 | Pattern and pathways for mercury lifespan bioaccumulation in <i>Carcinus maenas</i> . <i>Marine Pollution Bulletin</i> , 2008, 56, 1104-1110. | 5.0 | 34 |
| 435 | Inputs from a Mercury-Contaminated Lagoon: Impact on the Nearshore Waters of the Atlantic Ocean. <i>Journal of Coastal Research</i> , 2008, 2, 28-38. | 0.3 | 12 |
| 436 | Carbonaceous materials in size-segregated atmospheric aerosols from urban and coastal-rural areas at the Western European Coast. <i>Atmospheric Research</i> , 2008, 90, 253-263. | 4.1 | 34 |
| 437 | Comparison of a gas chromatography-optical fibre (GC-OF) detector with a gas chromatography-flame ionization detector (GC-FID) for determination of alcoholic compounds in industrial atmospheres. <i>Talanta</i> , 2008, 76, 395-399. | 5.5 | 18 |
| 438 | Validation of avoidance assays for the screening assessment of soils under different anthropogenic disturbances. <i>Ecotoxicology and Environmental Safety</i> , 2008, 71, 661-670. | 6.0 | 37 |
| 439 | Long-term effects of mercury in a salt marsh: Hysteresis in the distribution of vegetation following recovery from contamination. <i>Chemosphere</i> , 2008, 71, 765-772. | 8.2 | 35 |
| 440 | Effects of solar radiation on the fluorescence properties and molecular weight of fulvic acids from pulp mill effluents. <i>Chemosphere</i> , 2008, 71, 1539-1546. | 8.2 | 18 |
| 441 | Mercury mobility in a salt marsh colonised by <i>Halimione portulacoides</i> . <i>Chemosphere</i> , 2008, 72, 1607-1613. | 8.2 | 38 |
| 442 | Mercury in salt marshes ecosystems: <i>Halimione portulacoides</i> as biomonitor. <i>Chemosphere</i> , 2008, 73, 1224-1229. | 8.2 | 31 |
| 443 | Spectroscopic changes on fulvic acids from a kraft pulp mill effluent caused by sun irradiation. <i>Chemosphere</i> , 2008, 73, 1845-1852. | 8.2 | 31 |
| 444 | Two-Dimensional NMR Studies of Water-Soluble Organic Matter in Atmospheric Aerosols. <i>Environmental Science & Technology</i> , 2008, 42, 8224-8230. | 10.0 | 61 |
| 445 | Influence of Fulvic Acids and Copper Ions on Thiram Determination in Water. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 7347-7354. | 5.2 | 16 |
| 446 | Gas Chromatography-Optical Fiber Detector for the Speciation of Aromatic Hydrocarbons in Confined Areas. <i>Analytical Sciences</i> , 2008, 24, 963-966. | 1.6 | 5 |
| 447 | Uptake of Hg ²⁺ from aqueous solutions by microporous titano- and zircono-silicates. <i>Quimica Nova</i> , 2008, 31, 321-325. | 0.3 | 24 |
| 448 | Removal of Mercury From Aqueous Solutions by ETS-4 Microporous Titanosilicate: Effect of Contact Time, Titanosilicate Mass and Initial Metal Concentration. , 2007, , 1019. | | 1 |
| 449 | Quality and comparability of measurement of potentially toxic elements in urban soils by a group of European laboratories. <i>International Journal of Environmental Analytical Chemistry</i> , 2007, 87, 589-601. | 3.3 | 9 |
| 450 | Development and application of a capillary electrophoresis based method for the simultaneous screening of six antibiotics in spiked milk samples. <i>Talanta</i> , 2007, 71, 731-737. | 5.5 | 100 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 451 | Development and application of a capillary electrophoresis based method for the assessment of monosaccharide in soil using acid hydrolysis. <i>Talanta</i> , 2007, 72, 165-171. | 5.5 | 13 |
| 452 | A solid-phase extraction procedure for the clean-up of thiram from aqueous solutions containing high concentrations of humic substances. <i>Talanta</i> , 2007, 72, 1235-1238. | 5.5 | 40 |
| 453 | Optimization of phenolic compounds analysis by capillary electrophoresis. <i>Talanta</i> , 2007, 72, 1404-1409. | 5.5 | 34 |
| 454 | Stable carbon isotope ratios of tandem fractionated humic substances from different water bodies. <i>Organic Geochemistry</i> , 2007, 38, 957-966. | 1.8 | 11 |
| 455 | Fluorescence and DOC contents of estuarine pore waters from colonized and non-colonized sediments: Effects of sampling preservation. <i>Chemosphere</i> , 2007, 67, 211-220. | 8.2 | 36 |
| 456 | Solid-phase extraction and capillary electrophoresis determination of phenols from soil after alkaline CuO oxidation. <i>Chemosphere</i> , 2007, 69, 561-568. | 8.2 | 12 |
| 457 | Deposition of TiB ₂ onto X40 CrMoV 5-1-1 steel substrates by DC magnetron sputtering. <i>Vacuum</i> , 2007, 81, 1519-1523. | 3.5 | 8 |
| 458 | Removal of low concentration Hg ²⁺ from natural waters by microporous and layered titanosilicates. <i>Microporous and Mesoporous Materials</i> , 2007, 103, 325-332. | 4.4 | 59 |
| 459 | Comparison of structural features of water-soluble organic matter from atmospheric aerosols with those of aquatic humic substances. <i>Atmospheric Environment</i> , 2007, 41, 8100-8113. | 4.1 | 163 |
| 460 | Metal-contaminated sediments in a semi-closed basin: Implications for recovery. <i>Estuarine, Coastal and Shelf Science</i> , 2007, 71, 148-158. | 2.1 | 29 |
| 461 | Nutrient dynamics and seasonal succession of phytoplankton assemblages in a Southern European Estuary: Ria de Aveiro, Portugal. <i>Estuarine, Coastal and Shelf Science</i> , 2007, 71, 480-490. | 2.1 | 61 |
| 462 | Mercury contamination in invertebrate biota in a temperate coastal lagoon (Ria de Aveiro, Portugal). <i>Marine Pollution Bulletin</i> , 2007, 54, 475-480. | 5.0 | 16 |
| 463 | Total mercury in sediments from mud volcanoes in Gulf of Cadiz. <i>Marine Pollution Bulletin</i> , 2007, 54, 1539-1544. | 5.0 | 7 |
| 464 | Une revue sur des Études de contamination de mercure dans la lagune cœtère «Ria de Aveiro», Portugal. <i>Houille Blanche</i> , 2007, 93, 35-39. | 0.3 | 5 |
| 465 | Assessment of spatial environmental quality status in Ria de Aveiro (Portugal). <i>Scientia Marina</i> , 2007, 71, 293-304. | 0.6 | 27 |
| 466 | Application of Chemometrics in Separation Science. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2006, 29, 1143-1176. | 1.0 | 40 |
| 467 | Variability in concentrations of potentially toxic elements in urban parks from six European cities. <i>Journal of Environmental Monitoring</i> , 2006, 8, 1158-1165. | 2.1 | 78 |
| 468 | Mercury cycling between the water column and surface sediments in a contaminated area. <i>Water Research</i> , 2006, 40, 2893-2900. | 11.3 | 49 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 469 | Mixed polyelectrolyte coatings on glassy carbon electrodes: Ion-exchange, permselectivity properties and analytical application of poly-L-lysine- ϵ -poly(sodium 4-styrenesulfonate)-coated mercury film electrodes for the detection of trace metals. <i>Talanta</i> , 2006, 68, 1655-1662. | 5.5 | 38 |
| 470 | Treatment of dairy wastewater in UASB reactors inoculated with flocculent biomass. <i>Water S A</i> , 2006, 31, 603. | 0.4 | 7 |
| 471 | Fractionation of potentially toxic elements in urban soils from five European cities by means of a harmonised sequential extraction procedure. <i>Analytica Chimica Acta</i> , 2006, 565, 63-72. | 5.4 | 133 |
| 472 | Determination of Organic Mercury in Biota, Plants and Contaminated Sediments Using a Thermal Atomic Absorption Spectrometry Technique. <i>Water, Air, and Soil Pollution</i> , 2006, 174, 223-234. | 2.4 | 48 |
| 473 | Pattern and annual rates of <i>Scrobicularia plana</i> mercury bioaccumulation in a human induced mercury gradient (Ria de Aveiro, Portugal). <i>Estuarine, Coastal and Shelf Science</i> , 2006, 69, 629-635. | 2.1 | 51 |
| 474 | Spatial distribution of total Hg in urban soils from an Atlantic coastal city (Aveiro, Portugal). <i>Science of the Total Environment</i> , 2006, 368, 40-46. | 8.0 | 44 |
| 475 | Mercury in urban soils: A comparison of local spatial variability in six European cities. <i>Science of the Total Environment</i> , 2006, 368, 926-936. | 8.0 | 62 |
| 476 | Can <i>Nassarius reticulatus</i> be used as a bioindicator for Hg contamination? Results from a longitudinal study of the Portuguese coastline. <i>Marine Pollution Bulletin</i> , 2006, 52, 674-680. | 5.0 | 17 |
| 477 | Accumulation versus remobilization of mercury in sediments of a contaminated lagoon. <i>Marine Pollution Bulletin</i> , 2006, 52, 353-356. | 5.0 | 25 |
| 478 | Seasonal fluctuations of tissue mercury contents in the European shore crab <i>Carcinus maenas</i> from low and high contamination areas (Ria de Aveiro, Portugal). <i>Marine Pollution Bulletin</i> , 2006, 52, 1450-1457. | 5.0 | 40 |
| 479 | The Assembling and Application of an Automated Segmented Flow Analyzer for the Determination of Dissolved Organic Carbon Based on UV- ϵ -Persulphate Oxidation. <i>Analytical Letters</i> , 2006, 39, 1979-1992. | 1.8 | 17 |
| 480 | Spectroscopic study of the water-soluble organic matter isolated from atmospheric aerosols collected under different atmospheric conditions. <i>Analytica Chimica Acta</i> , 2005, 530, 7-14. | 5.4 | 165 |
| 481 | Macroalgae response to a mercury contamination gradient in a temperate coastal lagoon (Ria de Aveiro, Portugal). <i>Marine Pollution Bulletin</i> , 2005, 50, 682-686. | 5.0 | 24 |
| 482 | Distribution of mercury in the upper sediments from a polluted area (Ria de Aveiro, Portugal). <i>Marine Pollution Bulletin</i> , 2005, 50, 1218-1222. | 5.0 | 24 |
| 483 | Mercury distribution in Douro estuary (Portugal). <i>Marine Pollution Bulletin</i> , 2005, 50, 1218-1222. | 5.0 | 24 |
| 484 | Variation of Mercury Contamination in Chicks of Little Tern <i>Sterna albifrons</i> in Southwest Europe: Brood, Age, and Colony Related Effects. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2005, 74, 177-183. | 2.7 | 6 |
| 485 | Application of Non-Ionic Solid Sorbents (XAD Resins) for the Isolation and Fractionation of Water-Soluble Organic Compounds from Atmospheric Aerosols. <i>Journal of Atmospheric Chemistry</i> , 2005, 51, 79-93. | 3.2 | 65 |
| 486 | Mercury in Plants from Fields Surrounding a Contaminated Channel of Ria de Aveiro, Portugal. <i>Soil and Sediment Contamination</i> , 2005, 14, 571-577. | 1.9 | 13 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 487 | Optimum cycle time for intermittent UASB reactors treating dairy wastewater. <i>Water Research</i> , 2005, 39, 1511-1518. | 11.3 | 32 |
| 488 | Ion-exchange and permselectivity properties of poly(sodium 4-styrenesulfonate) coatings on glassy carbon: application in the modification of mercury film electrodes for the direct voltammetric analysis of trace metals in estuarine waters. <i>Talanta</i> , 2005, 65, 644-653. | 5.5 | 32 |
| 489 | Kinetic approach to heavy metal mobilization assessment in sediments: choose of kinetic equations and models to achieve maximum information. <i>Talanta</i> , 2005, 66, 844-857. | 5.5 | 88 |
| 490 | Dynamic model simulations as a tool for evaluating the stability of an anaerobic process. <i>Water S A</i> , 2004, 27, 109. | 0.4 | 6 |
| 491 | Spectroscopic properties of sedimentary humic acids from a salt marsh (Ria de Aveiro, Portugal): comparison of sediments colonized by <i>Halimione portulacoides</i> (L.) Aellen and non-vegetated sediments. <i>Biogeochemistry</i> , 2004, 69, 159-174. | 3.5 | 21 |
| 492 | Synchronous Scan and Excitation-Emission Matrix Fluorescence Spectroscopy of Water-Soluble Organic Compounds in Atmospheric Aerosols. <i>Journal of Atmospheric Chemistry</i> , 2004, 48, 157-171. | 3.2 | 59 |
| 493 | Optimisation of mercury film deposition on glassy carbon electrodes: evaluation of the combined effects of pH, thiocyanate ion and deposition potential. <i>Analytica Chimica Acta</i> , 2004, 503, 203-212. | 5.4 | 40 |
| 494 | Using capillary electrophoresis for the determination of organic acids in Port wine. <i>Analytica Chimica Acta</i> , 2004, 513, 163-167. | 5.4 | 69 |
| 495 | Monitoring acid-volatile sulphide by a fast scan voltammetric method: application to mercury contamination studies in salt marsh sediments. <i>Analytica Chimica Acta</i> , 2004, 524, 127-131. | 5.4 | 6 |
| 496 | Assessment of copper toxicity using an acoustic wave sensor. <i>Biosensors and Bioelectronics</i> , 2004, 19, 1203-1208. | 10.1 | 14 |
| 497 | Simultaneous determination of copper and lead in seawater using optimised thin-mercury film electrodes in situ plated in thiocyanate media. <i>Talanta</i> , 2004, 64, 566-569. | 5.5 | 19 |
| 498 | Distribution and accumulation of metals (Cu, Cd, Zn and Pb) in sediments of a lagoon on the northwestern coast of Portugal. <i>Marine Pollution Bulletin</i> , 2003, 46, 1200-1205. | 5.0 | 48 |
| 499 | Performance of Poly(styrenesulfonate)-Coated Thin Mercury Film Electrodes in the Determination of Lead and Copper in Estuarine Water Samples of High Salinity. <i>Electroanalysis</i> , 2003, 15, 1878-1883. | 2.9 | 22 |
| 500 | Biosorption of Milk Substrates onto Anaerobic Flocculent and Granular Sludge. <i>Biotechnology Progress</i> , 2003, 19, 1053-1055. | 2.6 | 17 |
| 501 | Effect of Organic Matter on Determination of Reactive Mercury in Contaminated Waters. <i>International Journal of Environmental Analytical Chemistry</i> , 2003, 83, 81-88. | 3.3 | 3 |
| 502 | Spectroscopic characteristics of ultrafiltration fractions of fulvic and humic acids isolated from an eucalyptus bleached Kraft pulp mill effluent. <i>Water Research</i> , 2003, 37, 4073-4080. | 11.3 | 78 |
| 503 | Estimation of Cu, Cd and Hg transported by plankton from a contaminated area (Ria de Aveiro). <i>Acta Oecologica</i> , 2003, 24, S351-S357. | 1.1 | 45 |
| 504 | Evidence for concentration of anthropogenic mercury in salt marsh sediments. <i>Ciencias Marinas</i> , 2003, 29, 447-456. | 0.4 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 505 | Multivariate curve resolution of overlapping voltammetric peaks: quantitative analysis of binary and quaternary metal mixtures. <i>Analyst, The</i> , 2002, 127, 809-817. | 3.5 | 97 |
| 506 | Airborne particulate-associated polyaromatic hydrocarbons, n-alkanes, elemental and organic carbon in three European cities. <i>Journal of Environmental Monitoring</i> , 2002, 4, 890-896. | 2.1 | 21 |
| 507 | Application of multivariate curve resolution to the voltammetric study of the complexation of fulvic acids with cadmium(II) ion. <i>Analytica Chimica Acta</i> , 2002, 459, 291-304. | 5.4 | 21 |
| 508 | Heavy metal mobility assessment in sediments based on a kinetic approach of the EDTA extraction: search for optimal experimental conditions. <i>Analytica Chimica Acta</i> , 2002, 459, 245-256. | 5.4 | 97 |
| 509 | A gas chromatography quartz crystal microbalance for speciation of nitroaromatic compounds in landfill gas. <i>Talanta</i> , 2001, 54, 383-388. | 5.5 | 7 |
| 510 | Microwave treatment of biological samples for methylmercury determination by high performance liquid chromatography-cold vapour atomic fluorescence spectrometry. <i>Analyst, The</i> , 2001, 126, 1583-1587. | 3.5 | 29 |
| 511 | Effects of organic, hydraulic and fat shocks on the performance of UASB reactors with intermittent operation. <i>Water Science and Technology</i> , 2001, 44, 49-56. | 2.5 | 12 |
| 512 | Differences between Humic Substances from Riverine, Estuarine, and Marine Environments Observed by Fluorescence Spectroscopy. <i>Clean - Soil, Air, Water</i> , 2001, 28, 359-363. | 0.6 | 15 |
| 513 | Fluorescence as a Tool for Tracing the Organic Contamination from Pulp Mill Effluents in Surface Waters. <i>Clean - Soil, Air, Water</i> , 2001, 28, 364-371. | 0.6 | 27 |
| 514 | Resolution of Voltammetric Peaks Using Chemometric Multivariate Calibration Methods. <i>Electroanalysis</i> , 2001, 13, 1041-1045. | 2.9 | 17 |
| 515 | Comparison between diafiltration and concentration operation modes for the determination of permeation coefficients of humic substances through ultrafiltration membranes. <i>Analytica Chimica Acta</i> , 2001, 442, 155-164. | 5.4 | 17 |
| 516 | Simple methodology for methylmercury and inorganic mercury determinations by high-performance liquid chromatography-cold vapour atomic fluorescence spectrometry. <i>Analytica Chimica Acta</i> , 2001, 448, 135-143. | 5.4 | 75 |
| 517 | Microwave-assisted extraction for methylmercury determination in sediments by high performance liquid chromatography-cold vapour-atomic fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2001, 16, 643-647. | 3.0 | 42 |
| 518 | Storage and export of mercury from a contaminated bay (Ria de Aveiro, Portugal). <i>Wetlands Ecology and Management</i> , 2001, 9, 311-316. | 1.5 | 26 |
| 519 | Organic components of aerosols in a forested area of central Greece. <i>Atmospheric Environment</i> , 2001, 35, 389-401. | 4.1 | 125 |
| 520 | Identification, abundance and origin of atmospheric organic particulate matter in a Portuguese rural area. <i>Atmospheric Environment</i> , 2001, 35, 1365-1375. | 4.1 | 125 |
| 521 | Composition of extractable organic matter of air particles from rural and urban Portuguese areas. <i>Atmospheric Environment</i> , 2001, 35, 5485-5496. | 4.1 | 136 |
| 522 | Accumulation of Mercury in Sea Bass from a Contaminated Lagoon (Ria de Aveiro, Portugal). <i>Marine Pollution Bulletin</i> , 2000, 40, 293-297. | 5.0 | 91 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 523 | A quartz crystal microbalance sensor for the determination of nitroaromatics in landfill gas. <i>Talanta</i> , 2000, 51, 1149-1153. | 5.5 | 8 |
| 524 | Structural Characterisation of the Coloured Organic Matter from an Eucalyptus Bleached Kraft Pulp Mill Effluent. <i>International Journal of Environmental Analytical Chemistry</i> , 2000, 78, 333-342. | 3.3 | 18 |
| 525 | Particulate Size Distributed Organic Compounds in a Forest Atmosphere. <i>Environmental Science & Technology</i> , 2000, 34, 4287-4293. | 10.0 | 54 |
| 526 | A gas chromatography-quartz crystal microbalance for speciation of sulfur compounds in landfill gas. <i>Journal of Environmental Monitoring</i> , 2000, 2, 277-279. | 2.1 | 5 |
| 527 | Determination of Total Sulphur in Landfill Gases Using a Quartz Crystal Microbalance. <i>International Journal of Environmental Analytical Chemistry</i> , 1999, 75, 121-126. | 3.3 | 2 |
| 528 | Thermogravimetric properties of aquatic humic substances. <i>Marine Chemistry</i> , 1999, 63, 225-233. | 2.3 | 28 |
| 529 | Humic substances' proton-binding equilibria: assessment of errors and limitations of potentiometric data. <i>Analytica Chimica Acta</i> , 1999, 392, 333-341. | 5.4 | 25 |
| 530 | The organic composition of air particulate matter from rural and urban portuguese areas. <i>Physics and Chemistry of the Earth</i> , 1999, 24, 705-709. | 0.3 | 18 |
| 531 | Study of the effect of pH, salinity and DOC on fluorescence of synthetic mixtures of freshwater and marine salts. <i>Journal of Environmental Monitoring</i> , 1999, 1, 251-254. | 2.1 | 18 |
| 532 | Development of a methodology for the determination of carbon monoxide using a quartz crystal microbalance. <i>Analyst</i> , The, 1999, 124, 1449-1453. | 3.5 | 6 |
| 533 | Critical assessment of the parameters that affect the selection of coating compounds for piezoelectric quartz crystal microbalances. <i>Talanta</i> , 1999, 48, 81-89. | 5.5 | 10 |
| 534 | Comparison of two methods for the optimization of the analytical conditions for the determination of total sulfur. <i>Talanta</i> , 1999, 49, 207-213. | 5.5 | 0 |
| 535 | Trends in alkanes and PAHs in airborne particulate matter from Oporto and Vienna: identification and comparison. <i>Science of the Total Environment</i> , 1999, 236, 231-236. | 8.0 | 16 |
| 536 | Atmospheric aerosol and soiling of external surfaces in an urban environment. <i>Atmospheric Environment</i> , 1998, 32, 1979-1989. | 4.1 | 85 |
| 537 | The use of a mathematical model to evaluate mercury accumulation in sediments and recovery time in a coastal lagoon (Ria de Aveiro, Portugal). <i>Water Science and Technology</i> , 1998, 37, 33. | 2.5 | 7 |
| 538 | An estimation of industrial mercury stored in sediments of a confined area of the Lagoon of Aveiro (Portugal). <i>Water Science and Technology</i> , 1998, 37, 125. | 2.5 | 66 |
| 539 | Determination of cyanide in waste waters using a quartz crystal microbalance. <i>Sensors and Actuators B: Chemical</i> , 1998, 48, 383-386. | 7.8 | 7 |
| 540 | The influence of pulp and paper mill effluents on the composition of the humic fraction of aquatic organic matter. <i>Water Research</i> , 1998, 32, 597-608. | 11.3 | 57 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 541 | Tidal export of particulate mercury from the most contaminated area of Aveiro's Lagoon, Portugal. <i>Science of the Total Environment</i> , 1998, 213, 157-163. | 8.0 | 66 |
| 542 | Quartz crystal microbalance with gold electrodes as a sensor for monitoring gas-phase adsorption/desorption of short chain alkylthiol and alkyl sulfides. <i>Analytical Communications</i> , 1998, 35, 415-416. | 2.2 | 13 |
| 543 | Methodology for Estimation of Kinetic Constants for Anaerobic Digestion of Organic Matter from Field and Laboratory Data. <i>Environmental Technology (United Kingdom)</i> , 1998, 19, 1139-1144. | 2.2 | 0 |
| 544 | Quantification of CO ₂ in wines with piezoelectric crystals coated with tetramethylammonium fluoride and comparison with other methods. <i>Analisis - European Journal of Analytical Chemistry</i> , 1998, 26, 179-181. | 0.4 | 4 |
| 545 | Application of Chemometrics to the Identification of Trends in Polynuclear Aromatic Hydrocarbons and Alkanes in Air Samples From Oporto. <i>Analyst, The</i> , 1997, 122, 1509-1515. | 3.5 | 10 |
| 546 | Optimisation of the Experimental Conditions of a New Method, Based on a Quartz Crystal Microbalance, for the Determination of Cyanide. <i>Analyst, The</i> , 1997, 122, 1139-1142. | 3.5 | 4 |
| 547 | Foamability, Foam Stability, and Chemical Composition of Espresso Coffee As Affected by the Degree of Roast. <i>Journal of Agricultural and Food Chemistry</i> , 1997, 45, 3238-3243. | 5.2 | 89 |
| 548 | Determination of Sulfur Dioxide in Wine Using a Quartz Crystal Microbalance. <i>Analytical Chemistry</i> , 1996, 68, 1561-1564. | 6.5 | 20 |
| 549 | Study on the methodology for the quantification of carbon dioxide in wine using a quartz crystal microbalance. <i>Zeitschrift Fur Lebensmittel-Untersuchung Und -Forschung</i> , 1996, 202, 337-338. | 0.6 | 0 |
| 550 | The utilisation of a piezoelectric quartz crystal for measuring carbon dioxide in wine. <i>Analytica Chimica Acta</i> , 1996, 327, 95-100. | 5.4 | 8 |
| 551 | Performance of a tetramethylammonium fluoride tetrahydrate coated piezoelectric crystal for carbon dioxide detection. <i>Analytica Chimica Acta</i> , 1996, 335, 235-238. | 5.4 | 18 |
| 552 | Comparison of two methods for coating piezoelectric crystals. <i>Analytica Chimica Acta</i> , 1995, 300, 329-334. | 5.4 | 19 |
| 553 | Seasonal variability in mercury inputs into the Ria de Aveiro, Portugal. <i>Netherlands Journal of Aquatic Ecology</i> , 1995, 29, 291-296. | 0.3 | 12 |
| 554 | Variation on the adsorption efficiency of humic substances from estuarine waters using XAD resins. <i>Marine Chemistry</i> , 1995, 51, 61-66. | 2.3 | 27 |
| 555 | Detection of CO ₂ using a quartz crystal microbalance. <i>Sensors and Actuators B: Chemical</i> , 1995, 26, 191-194. | 7.8 | 27 |
| 556 | High-field ¹³ C solid-state NMR studies of stream humic and fulvic acids with fast magic-angle spinning. <i>Solid State Nuclear Magnetic Resonance</i> , 1993, 2, 191-195. | 2.3 | 4 |
| 557 | Wastewater and estuarine water quality control through the use of the ARC test. <i>Science of the Total Environment</i> , 1993, 134, 1165-1172. | 8.0 | 1 |
| 558 | Mercury desorption from contaminated sediments. <i>Water, Air, and Soil Pollution</i> , 1991, 56, 77-82. | 2.4 | 15 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 559 | THE INFLUENCE OF pH, IONIC STRENGTH AND CHLORIDE CONCENTRATION ON THE ADSORPTION OF CADMIUM BY A SEDIMENT. , 1988, , 1873-1876. | | 0 |
| 560 | Sources and sinks of mercury in the coastal lagoon of Aveiro, Portugal. Science of the Total Environment, 1987, 64, 75-87. | 8.0 | 30 |
| 561 | Treatment of Slaughterhouse Wastewaters in Stabilization Ponds. Water Science and Technology, 1987, 19, 85-91. | 2.5 | 3 |
| 562 | Waste Stabilization Ponds as Teaching and Research Tools. Water Science and Technology, 1987, 19, 389-391. | 2.5 | 1 |
| 563 | Distribution of Mercury in the Sediments and Fishes of the Lagoon of Aveiro, Portugal. Water Science and Technology, 1986, 18, 141-148. | 2.5 | 52 |
| 564 | Laboratory study of dairy effluent treatment by the rotating biological disc system. Environmental Technology Letters, 1984, 5, 283-288. | 0.4 | 8 |
| 565 | Research and application of anaerobic processes. Environmental Technology Letters, 1980, 1, 484-493. | 0.4 | 12 |
| 566 | Adsorption studies with environmental significance using an acoustic wave sensor. , 0, , . | | 0 |