

# Armando C. Duarte

## List of Publications by Citations

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556 papers	19,766 citations	67 h-index	112 g-index
578 ext. papers	23,297 ext. citations	6.5 avg, IF	7.48 L-index

#	Paper	IF	Citations
556	(Nano)plastics in the environment - Sources, fates and effects. <i>Science of the Total Environment</i> , <b>2016</b> , 566-567, 15-26	10.2	487
555	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> , <b>2015</b> , 65, 47-53	14.6	449
554	Environmental exposure to microplastics: An overview on possible human health effects. <i>Science of the Total Environment</i> , <b>2020</b> , 702, 134455	10.2	444
553	Microplastics in the environment: Challenges in analytical chemistry - A review. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1017, 1-19	6.6	348
552	Methods for sampling and detection of microplastics in water and sediment: A critical review. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2019</b> , 110, 150-159	14.6	342
551	Supercritical fluid extraction of bioactive compounds. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2016</b> , 76, 40-51	14.6	319
550	COVID-19 Pandemic Repercussions on the Use and Management of Plastics. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 7760-7765	10.3	308
549	Graphene based sensors and biosensors. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2017</b> , 91, 53-66	14.6	307
548	Increased plastic pollution due to COVID-19 pandemic: Challenges and recommendations. <i>Chemical Engineering Journal</i> , <b>2021</b> , 405, 126683	14.7	272
547	Histopathological and molecular effects of microplastics in <i>Eisenia andrei</i> Bouché. <i>Environmental Pollution</i> , <b>2017</b> , 220, 495-503	9.3	252
546	Biodegradation of polyethylene microplastics by the marine fungus <i>Zalerion maritimum</i> . <i>Science of the Total Environment</i> , <b>2017</b> , 586, 10-15	10.2	236
545	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> , <b>2020</b> , 742, 140565	10.2	188
544	Lipids and proteins--major targets of oxidative modifications in abiotic stressed plants. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 4099-121	5.1	181
543	Recent developments in recognition elements for chemical sensors and biosensors. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2015</b> , 68, 2-17	14.6	179
542	Review of analytical figures of merit of sensors and biosensors in clinical applications. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2010</b> , 29, 1172-1183	14.6	175
541	Significance of interactions between microplastics and POPs in the marine environment: A critical overview. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2019</b> , 111, 252-260	14.6	171
540	Nanoscale materials and their use in water contaminants removal-a review. <i>Environmental Science and Pollution Research</i> , <b>2013</b> , 20, 1239-60	5.1	168

539	Levels, sources and potential human health risks of organic pollutants in urban soils. <i>Science of the Total Environment</i> , <b>2012</b> , 430, 184-92	10.2	166
538	A synopsis on aging-Theories, mechanisms and future prospects. <i>Ageing Research Reviews</i> , <b>2016</b> , 29, 90-112	12	165
537	Chemical composition of red, brown and green macroalgae from Buarcos bay in Central West Coast of Portugal. <i>Food Chemistry</i> , <b>2015</b> , 183, 197-207	8.5	163
536	Recent Progress in Biosensors for Environmental Monitoring: A Review. <i>Sensors</i> , <b>2017</b> , 17,	3.8	161
535	Effects of microplastics on microalgae populations: A critical review. <i>Science of the Total Environment</i> , <b>2019</b> , 665, 400-405	10.2	155
534	Solutions and Integrated Strategies for the Control and Mitigation of Plastic and Microplastic Pollution. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 16,	4.6	148
533	Comparison of structural features of water-soluble organic matter from atmospheric aerosols with those of aquatic humic substances. <i>Atmospheric Environment</i> , <b>2007</b> , 41, 8100-8113	5.3	136
532	Spectroscopic study of the water-soluble organic matter isolated from atmospheric aerosols collected under different atmospheric conditions. <i>Analytica Chimica Acta</i> , <b>2005</b> , 530, 7-14	6.6	134
531	Silver nanoparticles in soil-plant systems. <i>Journal of Nanoparticle Research</i> , <b>2013</b> , 15, 1	2.3	121
530	Composition of extractable organic matter of air particles from rural and urban Portuguese areas. <i>Atmospheric Environment</i> , <b>2001</b> , 35, 5485-5496	5.3	120
529	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> , <b>2006</b> , 565, 63-72	6.6	119
528	Organic components of aerosols in a forested area of central Greece. <i>Atmospheric Environment</i> , <b>2001</b> , 35, 389-401	5.3	115
527	Identification, abundance and origin of atmospheric organic particulate matter in a Portuguese rural area. <i>Atmospheric Environment</i> , <b>2001</b> , 35, 1365-1375	5.3	113
526	Jacks of metal/metalloid chelation trade in plants-an overview. <i>Frontiers in Plant Science</i> , <b>2015</b> , 6, 192	6.2	110
525	Mercury pollution in Ria de Aveiro (Portugal): a review of the system assessment. <i>Environmental Monitoring and Assessment</i> , <b>2009</b> , 155, 39-49	3.1	109
524	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> , <b>2014</b> , 472, 834-41	10.2	105
523	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> , <b>2015</b> , 63, 3177-88	5.7	103
522	Glutathione and its dependent enzymes' modulatory responses to toxic metals and metalloids in fish--a review. <i>Environmental Science and Pollution Research</i> , <b>2013</b> , 20, 2133-49	5.1	103

521	Nanoscale copper in the soil-plant system - toxicity and underlying potential mechanisms. <i>Environmental Research</i> , <b>2015</b> , 138, 306-25	7.9	102
520	Identifying a quick and efficient method of removing organic matter without damaging microplastic samples. <i>Science of the Total Environment</i> , <b>2019</b> , 686, 131-139	10.2	101
519	Macroalgae response to a mercury contamination gradient in a temperate coastal lagoon (Ria de Aveiro, Portugal). <i>Estuarine, Coastal and Shelf Science</i> , <b>2005</b> , 65, 492-500	2.9	98
518	Metal/metalloid stress tolerance in plants: role of ascorbate, its redox couple, and associated enzymes. <i>Protoplasma</i> , <b>2014</b> , 251, 1265-83	3.4	96
517	Effects of organic and inorganic amendments on soil organic matter properties. <i>Geoderma</i> , <b>2009</b> , 150, 38-45	6.7	92
516	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> , <b>2018</b> , 53, 866-875	2.3	91
515	Strategies for enhancing the analytical performance of nanomaterial-based sensors. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2013</b> , 47, 27-36	14.6	88
514	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> , <b>2002</b> , 459, 245-256	6.6	88
513	Glutathione and proline can coordinately make plants withstand the joint attack of metal(loid) and salinity stresses. <i>Frontiers in Plant Science</i> , <b>2014</b> , 5, 662	6.2	87
512	Advances in point-of-care technologies with biosensors based on carbon nanotubes. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2013</b> , 45, 24-36	14.6	87
511	Critical overview on the application of sensors and biosensors for clinical analysis. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2016</b> , 85, 36-60	14.6	87
510	Development and application of a capillary electrophoresis based method for the simultaneous screening of six antibiotics in spiked milk samples. <i>Talanta</i> , <b>2007</b> , 71, 731-7	6.2	86
509	Multivariate curve resolution of overlapping voltammetric peaks: quantitative analysis of binary and quaternary metal mixtures. <i>Analyst, The</i> , <b>2002</b> , 127, 809-17	5	86
508	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> , <b>2015</b> , 281, 759-770	14.7	85
507	Too much is bad--an appraisal of phytotoxicity of elevated plant-beneficial heavy metal ions. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 3361-82	5.1	85
506	Marine biotechnology advances towards applications in new functional foods. <i>Biotechnology Advances</i> , <b>2012</b> , 30, 1506-15	17.8	85
505	Risk assessment for Cd, Cu, Pb and Zn in urban soils: chemical availability as the central concept. <i>Environmental Pollution</i> , <b>2013</b> , 183, 234-42	9.3	85
504	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> , <b>2009</b> , 11, 1004-12		82

503	Removal of mercury (II) by dithiocarbamate surface functionalized magnetite particles: application to synthetic and natural spiked waters. <i>Water Research</i> , <b>2011</b> , 45, 5773-84	12.5	81
502	Kinetic approach to heavy metal mobilization assessment in sediments: choose of kinetic equations and models to achieve maximum information. <i>Talanta</i> , <b>2005</b> , 66, 844-57	6.2	81
501	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> , <b>2018</b> , 25, 33599-33610	5.1	81
500	Olive oil mill wastewaters before and after treatment: a critical review from the ecotoxicological point of view. <i>Ecotoxicology</i> , <b>2012</b> , 21, 615-29	2.9	80
499	The prediction of PAHs bioavailability in soils using chemical methods: state of the art and future challenges. <i>Science of the Total Environment</i> , <b>2014</b> , 472, 463-80	10.2	80
498	Accumulation of Mercury in Sea Bass from a Contaminated Lagoon (Ria de Aveiro, Portugal). <i>Marine Pollution Bulletin</i> , <b>2000</b> , 40, 293-297	6.7	80
497	Foamability, Foam Stability, and Chemical Composition of Espresso Coffee As Affected by the Degree of Roast. <i>Journal of Agricultural and Food Chemistry</i> , <b>1997</b> , 45, 3238-3243	5.7	77
496	Mercury contamination in the vicinity of a chlor-alkali plant and potential risks to local population. <i>Science of the Total Environment</i> , <b>2009</b> , 407, 2689-700	10.2	74
495	Extractability and mobility of mercury from agricultural soils surrounding industrial and mining contaminated areas. <i>Chemosphere</i> , <b>2010</b> , 81, 1369-77	8.4	74
494	Atmospheric aerosol and soiling of external surfaces in an urban environment. <i>Atmospheric Environment</i> , <b>1998</b> , 32, 1979-1989	5.3	73
493	A new approach for routine quantification of microplastics using Nile Red and automated software (MP-VAT). <i>Science of the Total Environment</i> , <b>2019</b> , 690, 1277-1283	10.2	72
492	Microplastics in soils: assessment, analytics and risks. <i>Environmental Chemistry</i> , <b>2019</b> , 16, 18	3.2	70
491	Disposable sensors for environmental monitoring of lead, cadmium and mercury. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2015</b> , 64, 183-190	14.6	69
490	Accumulation, distribution and cellular partitioning of mercury in several halophytes of a contaminated salt marsh. <i>Chemosphere</i> , <b>2009</b> , 76, 1348-55	8.4	67
489	The variability of polychlorinated biphenyls levels in urban soils from five European cities. <i>Environmental Pollution</i> , <b>2009</b> , 157, 511-8	9.3	66
488	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> , <b>2010</b> , 81, 1549-59	8.4	66
487	Spectroscopic characteristics of ultrafiltration fractions of fulvic and humic acids isolated from an eucalyptus bleached Kraft pulp mill effluent. <i>Water Research</i> , <b>2003</b> , 37, 4073-80	12.5	66
486	Simple methodology for methylmercury and inorganic mercury determinations by high-performance liquid chromatography-fold vapour atomic fluorescence spectrometry. <i>Analytica Chimica Acta</i> , <b>2001</b> , 448, 135-143	6.6	66

485	Variability in concentrations of potentially toxic elements in urban parks from six European cities. <i>Journal of Environmental Monitoring</i> , <b>2006</b> , 8, 1158-65		65
484	Risk assessment of urban soils contamination: The particular case of polycyclic aromatic hydrocarbons. <i>Science of the Total Environment</i> , <b>2016</b> , 551-552, 271-84	10.2	64
483	Tidal export of particulate mercury from the most contaminated area of Aveiro's Lagoon, Portugal. <i>Science of the Total Environment</i> , <b>1998</b> , 213, 157-163	10.2	64
482	Elemental analysis for categorization of wines and authentication of their certified brand of origin. <i>Journal of Food Composition and Analysis</i> , <b>2011</b> , 24, 548-562	4.1	63
481	Using capillary electrophoresis for the determination of organic acids in Port wine. <i>Analytica Chimica Acta</i> , <b>2004</b> , 513, 163-167	6.6	63
480	A review of regulatory decisions for environmental protection: part I - challenges in the implementation of national soil policies. <i>Environment International</i> , <b>2009</b> , 35, 202-13	12.9	61
479	An estimation of industrial mercury stored in sediments of a confined area of the Lagoon of Aveiro (Portugal). <i>Water Science and Technology</i> , <b>1998</b> , 37, 125	2.2	60
478	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> , <b>2016</b> , 75, 129-140	14.6	58
477	Spectroscopic characterization of dissolved organic matter isolated from rainwater. <i>Chemosphere</i> , <b>2009</b> , 74, 1053-61	8.4	58
476	Optical fiber biosensor coupled to chromatographic separation for screening of dopamine, norepinephrine and epinephrine in human urine and plasma. <i>Talanta</i> , <b>2009</b> , 80, 853-7	6.2	58
475	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> , <b>2015</b> , 102, 1-10	5.3	57
474	Development and validation of a simple thermo-desorption technique for mercury speciation in soils and sediments. <i>Talanta</i> , <b>2012</b> , 99, 363-8	6.2	56
473	Immobilization strategies and analytical applications for metallic and metal-oxide nanomaterials on surfaces. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2012</b> , 40, 90-105	14.6	56
472	Mercury in urban soils: a comparison of local spatial variability in six European cities. <i>Science of the Total Environment</i> , <b>2006</b> , 368, 926-36	10.2	56
471	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> , <b>2005</b> , 51, 79-93	3.2	56
470	Contamination issues as a challenge in quality control and quality assurance in microplastics analytics. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 403, 123660	12.8	56
469	Effect of Soil Organic Matter, Soil pH, and Moisture Content on Solubility and Dissolution Rate of CuO NPs in Soil. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 4959-4967	10.3	55
468	Label-free disposable immunosensor for detection of atrazine. <i>Talanta</i> , <b>2016</b> , 146, 430-4	6.2	55

467	Biological treatment of the effluent from a bleached kraft pulp mill using basidiomycete and zygomycete fungi. <i>Science of the Total Environment</i> , <b>2009</b> , 407, 3282-9	10.2	55
466	Degradation of phenols in olive oil mill wastewater by biological, enzymatic, and photo-Fenton oxidation. <i>Environmental Science and Pollution Research</i> , <b>2010</b> , 17, 650-6	5.1	54
465	Removal of low concentration Hg <sup>2+</sup> from natural waters by microporous and layered titanosilicates. <i>Microporous and Mesoporous Materials</i> , <b>2007</b> , 103, 325-332	5.3	54
464	Comparative characterization of humic substances from the open ocean, estuarine water and fresh water. <i>Organic Geochemistry</i> , <b>2009</b> , 40, 942-950	3.1	53
463	Nutrient dynamics and seasonal succession of phytoplankton assemblages in a Southern European Estuary: Ria de Aveiro, Portugal. <i>Estuarine, Coastal and Shelf Science</i> , <b>2007</b> , 71, 480-490	2.9	53
462	Two-dimensional NMR studies of water-soluble organic matter in atmospheric aerosols. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 8224-30	10.3	52
461	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> , <b>2017</b> , 171, 208-222	8.4	51
460	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> , <b>2013</b> , 15, 1	2.3	51
459	The influence of pulp and paper mill effluents on the composition of the humic fraction of aquatic organic matter. <i>Water Research</i> , <b>1998</b> , 32, 597-608	12.5	51
458	Synchronous Scan and Excitation-Emission Matrix Fluorescence Spectroscopy of Water-Soluble Organic Compounds in Atmospheric Aerosols. <i>Journal of Atmospheric Chemistry</i> , <b>2004</b> , 48, 157-171	3.2	51
457	Removal and recovery of Critical Rare Elements from contaminated waters by living <i>Gracilaria gracilis</i> . <i>Journal of Hazardous Materials</i> , <b>2018</b> , 344, 531-538	12.8	50
456	Mercury biomagnification in a contaminated estuary food web: effects of age and trophic position using stable isotope analyses. <i>Marine Pollution Bulletin</i> , <b>2013</b> , 69, 110-5	6.7	50
455	Microplastics I Occurrence, Fate and Behaviour in the Environment. <i>Comprehensive Analytical Chemistry</i> , <b>2017</b> , 1-24	1.9	50
454	Micro(nano)plastics I Analytical challenges towards risk evaluation. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2019</b> , 111, 173-184	14.6	50
453	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> , <b>2006</b> , 69, 629-635	2.9	49
452	In vitro fermentation and prebiotic potential of selected extracts from seaweeds and mushrooms. <i>LWT - Food Science and Technology</i> , <b>2016</b> , 73, 131-139	5.4	49
451	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> , <b>2012</b> , 910, 31-45	3.2	48
450	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> , <b>2011</b> , 103, 150-8	5.1	48

449	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> , <b>2017</b> , 191, 275-289	7.9	47
448	Thermo-desorption: A valid tool for mercury speciation in soils and sediments?. <i>Geoderma</i> , <b>2015</b> , 237-238, 98-104	6.7	47
447	Transport phenomena of nanoparticles in plants and animals/humans. <i>Environmental Research</i> , <b>2016</b> , 151, 233-243	7.9	47
446	Contaminants in aquaculture: Overview of analytical techniques for their determination. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2016</b> , 80, 293-310	14.6	46
445	First spectroscopic study on the structural features of dissolved organic matter isolated from rainwater in different seasons. <i>Science of the Total Environment</i> , <b>2012</b> , 426, 172-9	10.2	46
444	Brain as a critical target of mercury in environmentally exposed fish ( <i>Dicentrarchus labrax</i> )--bioaccumulation and oxidative stress profiles. <i>Aquatic Toxicology</i> , <b>2011</b> , 103, 233-40	5.1	46
443	A critical review of advanced analytical techniques for water-soluble organic matter from atmospheric aerosols. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2011</b> , 30, 1659-1671	14.6	46
442	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> , <b>2011</b> , 159, 1869-76	9.3	46
441	Particulate Size Distributed Organic Compounds in a Forest Atmosphere. <i>Environmental Science &amp; Technology</i> , <b>2000</b> , 34, 4287-4293	10.3	46
440	Simple and effective chitosan based films for the removal of Hg from waters: Equilibrium, kinetic and ionic competition. <i>Chemical Engineering Journal</i> , <b>2016</b> , 300, 217-229	14.7	46
439	Salt Marsh Halophyte Services to Metal/Metalloid Remediation: Assessment of the Processes and Underlying Mechanisms. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2014</b> , 44, 2038-2106	11.1	45
438	Soil-plant-animal transfer models to improve soil protection guidelines: a case study from Portugal. <i>Environment International</i> , <b>2012</b> , 39, 27-37	12.9	45
437	Determination of Organic Mercury in Biota, Plants and Contaminated Sediments Using a Thermal Atomic Absorption Spectrometry Technique. <i>Water, Air, and Soil Pollution</i> , <b>2006</b> , 174, 223-234	2.6	45
436	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> , <b>2003</b> , 46, 1200-5	6.7	45
435	Distribution of Mercury in the Sediments and Fishes of the Lagoon of Aveiro, Portugal. <i>Water Science and Technology</i> , <b>1986</b> , 18, 141-148	2.2	45
434	Water-soluble fraction of mercury, arsenic and other potentially toxic elements in highly contaminated sediments and soils. <i>Chemosphere</i> , <b>2010</b> , 78, 1301-12	8.4	44
433	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> , <b>2009</b> , 74, 530-6	8.4	44
432	Antioxidant system breakdown in brain of feral golden grey mullet ( <i>Liza aurata</i> ) as an effect of mercury exposure. <i>Ecotoxicology</i> , <b>2010</b> , 19, 1034-45	2.9	44

431	The macrobenthic community along a mercury contamination in a temperate estuarine system (Ria de Aveiro, Portugal). <i>Science of the Total Environment</i> , <b>2008</b> , 405, 186-94	10.2	44
430	Estimation of Cu, Cd and Hg transported by plankton from a contaminated area (Ria de Aveiro). <i>Acta Oecologica</i> , <b>2003</b> , 24, S351-S357	1.7	44
429	Modulation of glutathione and its related enzymes in plants responses to toxic metals and metalloids: A review. <i>Environmental and Experimental Botany</i> , <b>2011</b> , 75, 307-307	5.9	43
428	Mercury cycling between the water column and surface sediments in a contaminated area. <i>Water Research</i> , <b>2006</b> , 40, 2893-900	12.5	43
427	Fixed-bed removal of Hg <sup>2+</sup> from contaminated water by microporous titanosilicate ETS-4: Experimental and theoretical breakthrough curves. <i>Microporous and Mesoporous Materials</i> , <b>2011</b> , 145, 32-40	5.3	42
426	Assessing the ecotoxicity of metal nano-oxides with potential for wastewater treatment. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 13212-24	5.1	41
425	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> , <b>2012</b> , 21, 2113-22	2.9	41
424	Major inputs and mobility of potentially toxic elements contamination in urban areas. <i>Environmental Monitoring and Assessment</i> , <b>2013</b> , 185, 279-94	3.1	41
423	Metallothioneins failed to reflect mercury external levels of exposure and bioaccumulation in marine fish--considerations on tissue and species specific responses. <i>Chemosphere</i> , <b>2011</b> , 85, 114-21	8.4	40
422	Sorption-desorption behavior of atrazine on soils subjected to different organic long-term amendments. <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 3101-6	5.7	40
421	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> , <b>2010</b> , 78, 389-96	8.4	40
420	Identification of microplastics in white wines capped with polyethylene stoppers using micro-Raman spectroscopy. <i>Food Chemistry</i> , <b>2020</b> , 331, 127323	8.5	39
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