Armando C. Duarte

List of Publications by Year in Descending Order

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

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	Environmental monitoring approaches for the detection of organic contaminants in marine environments: A critical review. *Trends in Environmental Analytical Chemistry*, **2022**, 33, e00154	12	2
555	A straightforward method for microplastic extraction from organic-rich freshwater samples.. *Science of the Total Environment*, **2022**, 815, 152941	10.2	2
554	The road to sustainable use and waste management of plastics in Portugal. *Frontiers of Environmental Science and Engineering*, **2022**, 16, 5	5.8	2
553	Implications of COVID-19 pandemic on environmental compartments: Is plastic pollution a major issue?. *Journal of Hazardous Materials Advances*, **2022**, 5, 100041		0
552	Oxidation of small aromatic compounds in rainwater by UV/HO: Optimization by response surface methodology.. *Science of the Total Environment*, **2022**, 815, 152857	10.2	1
551	Interaction of microplastics with metal(oid)s in aquatic environments: what is done so far?. *Journal of Hazardous Materials Advances*, **2022**, 100072		
550	Are mulch biofilms used in agriculture an environmentally friendly solution? - An insight into their biodegradability and ecotoxicity using key organisms in soil ecosystems.. *Science of the Total Environment*, **2022**, 154269	10.2	0
549	Suspected microplastics in Atlantic horse mackerel fish (Trachurus trachurus) captured in Portugal.. *Marine Pollution Bulletin*, **2021**, 174, 113249	6.7	2
548	Collection and Separation of Microplastics **2021**, 1-24		
547	Airborne Microplastics **2021**, 1-25		
546	Effects of virgin and weathered polystyrene and polypropylene microplastics on Raphidocelis subcapitata and embryos of Danio rerio under environmental concentrations. *Science of the Total Environment*, **2021**, 816, 151642	10.2	2
545	On the Water-Soluble Organic Matter in Inhalable Air Particles: Why Should Outdoor Experience Motivate Indoor Studies?. *Applied Sciences (Switzerland)*, **2021**, 11, 9917	2.6	2
544	Airborne microplastics and fibers in indoor residential environments in Aveiro, Portugal. *Environmental Advances*, **2021**, 6, 100134	3.5	1
543	Dissolution of Ag Nanoparticles in Agricultural Soils and Effects on Soil Exoenzyme Activities. *Environments - MDPI*, **2021**, 8, 22	3.2	2
542	Multidimensional Analytical Characterization of Water-Soluble Organic Aerosols: Challenges and New Perspectives. *Applied Sciences (Switzerland)*, **2021**, 11, 2539	2.6	2
541	Disposable over Reusable Face Masks: Public Safety or Environmental Disaster?. *Environments - MDPI*, **2021**, 8, 31	3.2	14
540	Deposition of Aerosols onto Upper Ocean and Their Impacts on Marine Biota. *Atmosphere*, **2021**, 12, 684	2.7	8

539	Microplastics in landfill leachates: The need for reconnaissance studies and remediation technologies. *Case Studies in Chemical and Environmental Engineering*, **2021**, 3, 100072	7.5	26
538	Microplastics on Barra beach sediments in Aveiro, Portugal. *Marine Pollution Bulletin*, **2021**, 167, 112264	6.7	12
537	Microplastics and fibers from three areas under different anthropogenic pressures in Douro river. *Science of the Total Environment*, **2021**, 776, 145999	10.2	17
536	A One Health perspective of the impacts of microplastics on animal, human and environmental health. *Science of the Total Environment*, **2021**, 777, 146094	10.2	34
535	Contamination issues as a challenge in quality control and quality assurance in microplastics analytics. *Journal of Hazardous Materials*, **2021**, 403, 123660	12.8	56
534	Sources of carbohydrates on bulk deposition in South-Western of Europe. *Chemosphere*, **2021**, 263, 127982	8.4	2
533	Assessing reactive oxygen and nitrogen species in atmospheric and aquatic environments: Analytical challenges and opportunities. *TrAC - Trends in Analytical Chemistry*, **2021**, 135, 116149	14.6	0
532	Comment on recent article "Identification of microplastics in white wines capped with polyethylene stoppers using micro-Raman spectroscopy", published in Food Chemistry (2020). *Food Chemistry*, **2021**, 342, 128363	8.5	1
531	Increased plastic pollution due to COVID-19 pandemic: Challenges and recommendations. *Chemical Engineering Journal*, **2021**, 405, 126683	14.7	272
530	Are Biobased Plastics Green Alternatives?-A Critical Review. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	10
529	Selection of microplastics by Nile Red staining increases environmental sample throughput by micro-Raman spectroscopy. *Science of the Total Environment*, **2021**, 783, 146979	10.2	9
528	Preparation of biological samples for microplastic identification by Nile Red. *Science of the Total Environment*, **2021**, 783, 147065	10.2	9
527	Considerations when using microplates and Neubauer counting chamber in ecotoxicity tests on microplastics. *Marine Pollution Bulletin*, **2021**, 170, 112615	6.7	3
526	Risks of Covid-19 face masks to wildlife: Present and future research needs. *Science of the Total Environment*, **2021**, 792, 148505	10.2	22
525	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	14.7	13
524	COVID-19 Pandemic Repercussions on the Use and Management of Plastics. *Environmental Science & Technology*, **2020**, 54, 7760-7765	10.3	308
523	Identification of microplastics in white wines capped with polyethylene stoppers using micro-Raman spectroscopy. *Food Chemistry*, **2020**, 331, 127323	8.5	39
522	Multidimensional analytical techniques in environmental research: Evolution of concepts **2020**, 1-26		1

521	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. *Science of the Total Environment*, **2020**, 742, 140565	10.2	188
520	Multidimensional liquid chromatography and capillary electrophoresis coupled to high-resolution detectors applied to complex environmental samples **2020**, 169-208		
519	Major factors influencing the quantification of Nile Red stained microplastics and improved automatic quantification (MP-VAT 2.0). *Science of the Total Environment*, **2020**, 719, 137498	10.2	30
518	What Is the Minimum Volume of Sample to Find Small Microplastics: Laboratory Experiments and Sampling of Aveiro Lagoon and Vouga River, Portugal. *Water (Switzerland)*, **2020**, 12, 1219	3	15
517	Environmental status of (micro)plastics contamination in Portugal. *Ecotoxicology and Environmental Safety*, **2020**, 200, 110753	7	13
516	Worldwide contamination of fish with microplastics: A brief global overview. *Marine Pollution Bulletin*, **2020**, 160, 111681	6.7	26
515	Structural Features and Pro-Inflammatory Effects of Water-Soluble Organic Matter in Inhalable Fine Urban Air Particles. *Environmental Science & Technology*, **2020**, 54, 1082-1091	10.3	9
514	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	10.2	26
513	An easy method for processing and identification of natural and synthetic microfibers and microplastics in indoor and outdoor air. *MethodsX*, **2020**, 7, 1-9	1.9	39
512	Airborne Microplastics **2020**, 1-25		1
511	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	10.2	13
510	Specialty Grand Challenges in Environmental Analytical Methods. *Frontiers in Environmental Chemistry*, **2020**, 1,	3	3
509	Structural Characterization of Dissolved Organic Matter in Permafrost Peatland Lakes. *Water (Switzerland)*, **2020**, 12, 3059	3	2
508	The importance of contamination control in airborne fibers and microplastic sampling: Experiences from indoor and outdoor air sampling in Aveiro, Portugal. *Marine Pollution Bulletin*, **2020**, 159, 111522	6.7	31
507	The Role of Legislation, Regulatory Initiatives and Guidelines on the Control of Plastic Pollution. *Frontiers in Environmental Science*, **2020**, 8,	4.8	38
506	Introduction to the Analytical Methodologies for the Analysis of Microplastics **2020**, 1-31		1
505	Red mud-based inorganic polymer spheres: Innovative and environmentally friendly anaerobic digestion enhancers. *Bioresource Technology*, **2020**, 316, 123904	11	4
504	Environmental exposure to microplastics: An overview on possible human health effects. *Science of the Total Environment*, **2020**, 702, 134455	10.2	444

503	Exploring water-soluble organic aerosols structures in urban atmosphere using advanced solid-state 13C NMR spectroscopy. *Atmospheric Environment*, **2020**, 230, 117503	5.3	5
502	Identifying a quick and efficient method of removing organic matter without damaging microplastic samples. *Science of the Total Environment*, **2019**, 686, 131-139	10.2	101
501	Microplastic pollution in the sediments of Sidi Mansour Harbor in Southeast Tunisia. *Marine Pollution Bulletin*, **2019**, 146, 92-99	6.7	33
500	Comprehensive multidimensional liquid chromatography for advancing environmental and natural products research. *TrAC - Trends in Analytical Chemistry*, **2019**, 116, 186-197	14.6	18
499	and Enzymatic Extracts: Chemical, Structural, and Cytotoxic Characterization. *Marine Drugs*, **2019**, 17,	6	13
498	Occurrence, distribution, and significance of arsenic speciation. *Comprehensive Analytical Chemistry*, **2019**, 1-14	1.9	2
497	Oxidative Stress Biomarkers and Antioxidant Defense in Plants Exposed to Metallic Nanoparticles **2019**, 427-439		2
496	Multivariate Analysis for Assessing Sources, and Potential Risks of Polycyclic Aromatic Hydrocarbons in Lisbon Urban Soils. *Minerals (Basel, Switzerland)*, **2019**, 9, 139	2.4	6
495	Effect of Soil Organic Matter, Soil pH, and Moisture Content on Solubility and Dissolution Rate of CuO NPs in Soil. *Environmental Science & Technology*, **2019**, 53, 4959-4967	10.3	55
494	Comparative study of atmospheric water-soluble organic aerosols composition in contrasting suburban environments in the Iberian Peninsula Coast. *Science of the Total Environment*, **2019**, 648, 430-441	10.2	14
493	Spatial distribution of organic and inorganic contaminants in Ria de Aveiro Lagoon: A fundamental baseline dataset. *Data in Brief*, **2019**, 25, 104285	1.2	3
492	A new approach for routine quantification of microplastics using Nile Red and automated software (MP-VAT). *Science of the Total Environment*, **2019**, 690, 1277-1283	10.2	72
491	Solutions and Integrated Strategies for the Control and Mitigation of Plastic and Microplastic Pollution. *International Journal of Environmental Research and Public Health*, **2019**, 16,	4.6	148
490	White bean (Phaseolus vulgaris L.) as a sorbent for the removal of zinc from rainwater. *Water Research*, **2019**, 162, 170-179	12.5	6
489	Effects of microplastics on microalgae populations: A critical review. *Science of the Total Environment*, **2019**, 665, 400-405	10.2	155
488	Significance of interactions between microplastics and POPs in the marine environment: A critical overview. *TrAC - Trends in Analytical Chemistry*, **2019**, 111, 252-260	14.6	171
487	Micro(nano)plastics Analytical challenges towards risk evaluation. *TrAC - Trends in Analytical Chemistry*, **2019**, 111, 173-184	14.6	50
486	Biotechnological tools for the effective management of plastics in the environment. *Critical Reviews in Environmental Science and Technology*, **2019**, 49, 410-441	11.1	31

485	Methods for sampling and detection of microplastics in water and sediment: A critical review. *TrAC - Trends in Analytical Chemistry*, **2019**, 110, 150-159	14.6	342
484	Oxidation of benzoic acid from biomass burning in atmospheric waters. *Environmental Pollution*, **2019**, 244, 693-704	9.3	4
483	Microplastics in soils: assessment, analytics and risks. *Environmental Chemistry*, **2019**, 16, 18	3.2	70
482	Microplastics in the environment: Challenges in analytical chemistry - A review. *Analytica Chimica Acta*, **2018**, 1017, 1-19	6.6	348
481	Analytical methodologies for arsenic speciation in macroalgae: A critical review. *TrAC - Trends in Analytical Chemistry*, **2018**, 102, 170-184	14.6	25
480	Graphene immunosensors for okadaic acid detection in seawater. *Microchemical Journal*, **2018**, 138, 465-471	4.8	17
479	Degradation of polyethylene microplastics in seawater: Insights into the environmental degradation of polymers. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2018**, 53, 866-875	2.3	91
478	Soil and Pollution: An Introduction to the Main Issues **2018**, 1-28		23
477	Addressing the impact of mercury estuarine contamination in the European eel (Anguilla anguilla L., 1758) - An early diagnosis in glass eel stage based on erythrocytic nuclear morphology. *Marine Pollution Bulletin*, **2018**, 127, 733-742	6.7	9
476	Sampling of micro(nano)plastics in environmental compartments: How to define standard procedures? *Current Opinion in Environmental Science and Health*, **2018**, 1, 36-40	8.1	23
475	Biotechnology advances for dealing with environmental pollution by micro(nano)plastics: Lessons on theory and practices. *Current Opinion in Environmental Science and Health*, **2018**, 1, 30-35	8.1	25
474	Evaluation of a single extraction test to estimate the human oral bioaccessibility of potentially toxic elements in soils: Towards more robust risk assessment. *Science of the Total Environment*, **2018**, 635, 188-202	10.2	19
473	Long-term application of the organic and inorganic pesticides in vineyards: Environmental record of past use. *Applied Geochemistry*, **2018**, 88, 226-238	3.5	14
472	Availability of polycyclic aromatic hydrocarbons to earthworms in urban soils and its implications for risk assessment. *Chemosphere*, **2018**, 191, 196-203	8.4	9
471	Removal and recovery of Critical Rare Elements from contaminated waters by living Gracilaria gracilis. *Journal of Hazardous Materials*, **2018**, 344, 531-538	12.8	50
470	Nanomaterials and Microplastics **2018**, 117-117		
469	Pollutants Transformation and Metabolite Accumulation in Soils **2018**, 89-102		0
468	Nanomaterials in Lab-on-Chip Chromatography **2018**, 387-400		1

467	Graphene oxide induces cytotoxicity and oxidative stress in bluegill sunfish cells. *Journal of Applied Toxicology*, **2018**, 38, 504-513	4.1	21
466	Oxidative stress, energy metabolism and molecular responses of earthworms (Eisenia fetida) exposed to low-density polyethylene microplastics. *Environmental Science and Pollution Research*, **2018**, 25, 33599-33610	5.1	81
465	A macroalgae-based biotechnology for water remediation: Simultaneous removal of Cd, Pb and Hg by living Ulva lactuca. *Journal of Environmental Management*, **2017**, 191, 275-289	7.9	47
464	Analytical Techniques for Discovery of Bioactive Compounds from Marine Fungi **2017**, 415-434		2
463	Biodegradation of polyethylene microplastics by the marine fungus Zalerion maritimum. *Science of the Total Environment*, **2017**, 586, 10-15	10.2	236
462	Graphene based sensors and biosensors. *TrAC - Trends in Analytical Chemistry*, **2017**, 91, 53-66	14.6	307
461	Structural signatures of water-soluble organic aerosols in contrasting environments in South America and Western Europe. *Environmental Pollution*, **2017**, 227, 513-525	9.3	23
460	Effect of probiotic co-cultures on physico-chemical and biochemical properties of small ruminants fermented milk. *International Dairy Journal*, **2017**, 72, 29-35	3.5	9
459	Ashes from fluidized bed combustion of residual forest biomass: recycling to soil as a viable management option. *Environmental Science and Pollution Research*, **2017**, 24, 14770-14781	5.1	22
458	How low can you go? A current perspective on low-abundance proteomics. *TrAC - Trends in Analytical Chemistry*, **2017**, 93, 171-182	14.6	7
457	Carbon nanotube field effect transistor biosensor for the detection of toxins in seawater. *International Journal of Environmental Analytical Chemistry*, **2017**, 97, 597-605	1.8	16
456	Review of the ecotoxicological effects of emerging contaminants to soil biota. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2017**, 52, 992-1007	2.3	35
455	Microplastics Sampling and Sample Handling. *Comprehensive Analytical Chemistry*, **2017**, 75, 25-47	1.9	13
454	Bioaccumulation of Hg, Cd and Pb by Fucus vesiculosus in single and multi-metal contamination scenarios and its effect on growth rate. *Chemosphere*, **2017**, 171, 208-222	8.4	51
453	NMR Studies of Organic Aerosols. *Annual Reports on NMR Spectroscopy*, **2017**, 92, 83-135	1.7	7
452	Salinity induced effects on the growth rates and mycelia composition of basidiomycete and zygomycete fungi. *Environmental Pollution*, **2017**, 231, 1633-1641	9.3	8
451	Persistence of urban organic aerosols composition: Decoding their structural complexity and seasonal variability. *Environmental Pollution*, **2017**, 231, 281-290	9.3	16
450	Cytotoxicity and oxidative stress responses of silica-coated iron oxide nanoparticles in CHSE-214 cells. *Environmental Science and Pollution Research*, **2017**, 24, 2055-2064	5.1	14

449	Tracing of aerosol sources in an urban environment using chemical, Sr isotope, and mineralogical characterization. *Environmental Science and Pollution Research*, **2017**, 24, 11006-11016	5.1	7
448	Histopathological and molecular effects of microplastics in Eisenia andrei Bouch. *Environmental Pollution*, **2017**, 220, 495-503	9.3	252
447	Chemical and structural characterization of Pholiota nameko extracts with biological properties. *Food Chemistry*, **2017**, 216, 176-85	8.5	23
446	Bioactive Polysaccharides Extracts from Sargassum muticum by High Hydrostatic Pressure. *Journal of Food Processing and Preservation*, **2017**, 41, e12977	2.1	6
445	Lead and PAHs contamination of an old shooting range: A case study with a holistic approach. *Science of the Total Environment*, **2017**, 575, 367-377	10.2	28
444	Biotechnological Production of Conjugated Fatty Acids With Biological Properties **2017**, 127-178		
443	Recent Progress in Biosensors for Environmental Monitoring: A Review. *Sensors*, **2017**, 17,	3.8	161
442	Microplastics Occurrence, Fate and Behaviour in the Environment. *Comprehensive Analytical Chemistry*, **2017**, 1-24	1.9	50
441	Extraction, Characterization, and Use of Carrageenans **2017**, 37-90		
440	Fish and mercury: Influence of fish fillet culinary practices on human risk. *Food Control*, **2016**, 60, 575-581	3.2	22
439	Effects of pre- and post-harvest factors on the selected elements contents in fruit juices. *Czech Journal of Food Sciences*, **2016**, 33, 384-391	1.3	5
438	Effects of dietary exposure to herbicide and of the nutritive quality of contaminated food on the reproductive output of Daphnia magna. *Aquatic Toxicology*, **2016**, 179, 1-7	5.1	14
437	Source and pathway analysis of lead and polycyclic aromatic hydrocarbons in Lisbon urban soils. *Science of the Total Environment*, **2016**, 573, 324-336	10.2	20
436	Biological synthesis of nanosized sulfide semiconductors: current status and future prospects. *Applied Microbiology and Biotechnology*, **2016**, 100, 8283-302	5.7	15
435	Comparative study on metal biosorption by two macroalgae in saline waters: single and ternary systems. *Environmental Science and Pollution Research*, **2016**, 23, 11985-97	5.1	15
434	Two chemically distinct light-absorbing pools of urban organic aerosols: A comprehensive multidimensional analysis of trends. *Chemosphere*, **2016**, 145, 215-23	8.4	17
433	Phagocytic cell responses to silica-coated dithiocarbamate-functionalized iron oxide nanoparticles and mercury co-exposures in Anguilla anguilla L. *Environmental Science and Pollution Research*, **2016**, 23, 12272-86	5.1	2
432	A synopsis on aging-Theories, mechanisms and future prospects. *Ageing Research Reviews*, **2016**, 29, 90-112	12	165

431	Sustainable approach for recycling seafood wastes for the removal of priority hazardous substances (Hg and Cd) from water. *Journal of Environmental Chemical Engineering*, **2016**, 4, 1199-1208	6.8	14
430	Analytical tools to assess aging in humans: The rise of geri-omics. *TrAC - Trends in Analytical Chemistry*, **2016**, 80, 204-212	14.6	8
429	Supercritical fluid extraction of bioactive compounds. *TrAC - Trends in Analytical Chemistry*, **2016**, 76, 40-51	14.6	319
428	Contaminants in aquaculture: Overview of analytical techniques for their determination. *TrAC - Trends in Analytical Chemistry*, **2016**, 80, 293-310	14.6	46
427	Disposable biosensor for detection of iron (III) in wines. *Talanta*, **2016**, 154, 80-4	6.2	13
426	Immunosensors in Clinical Laboratory Diagnostics. *Advances in Clinical Chemistry*, **2016**, 73, 65-108	5.8	24
425	Risk assessment of urban soils contamination: The particular case of polycyclic aromatic hydrocarbons. *Science of the Total Environment*, **2016**, 551-552, 271-84	10.2	64
424	Sewage contamination of sediments from two Portuguese Atlantic coastal systems, revealed by fecal sterols. *Marine Pollution Bulletin*, **2016**, 103, 319-324	6.7	25
423	Photocatalytic Treatment of Olive Oil Mill Wastewater Using TiO2 and Fe2O3 Nanomaterials. *Water, Air, and Soil Pollution*, **2016**, 227, 1	2.6	11
422	A framework to measure the availability of engineered nanoparticles in soils: Trends in soil tests and analytical tools. *TrAC - Trends in Analytical Chemistry*, **2016**, 75, 129-140	14.6	58
421	Challenges in the identification and characterization of free amino acids and proteinaceous compounds in atmospheric aerosols: A critical review. *TrAC - Trends in Analytical Chemistry*, **2016**, 75, 97-107	14.6	37
420	Label-free disposable immunosensor for detection of atrazine. *Talanta*, **2016**, 146, 430-4	6.2	55
419	Evaluation of cytotoxicity, morphological alterations and oxidative stress in Chinook salmon cells exposed to copper oxide nanoparticles. *Protoplasma*, **2016**, 253, 873-884	3.4	27
418	Analytical Techniques for Discovery of Bioactive Compounds from Marine Fungi **2016**, 1-20		
417	Echinoderms. *Studies in Natural Products Chemistry*, **2016**, 49, 1-54	1.5	9
416	Biophysical and Biochemical Markers of Metal/Metalloid-Impacts in Salt Marsh Halophytes and Their Implications. *Frontiers in Environmental Science*, **2016**, 4,	4.8	27
415	In´vitro fermentation and prebiotic potential of selected extracts from seaweeds and mushrooms. *LWT - Food Science and Technology*, **2016**, 73, 131-139	5.4	49
414	Remediation of mercury contaminated saltwater with functionalized silica coated magnetite nanoparticles. *Science of the Total Environment*, **2016**, 557-558, 712-21	10.2	29

413	Development of an electrochemical biosensor for alkylphenol detection. *Talanta*, **2016**, 158, 30-34	6.2	22
412	(Nano)plastics in the environment - Sources, fates and effects. *Science of the Total Environment*, **2016**, 566-567, 15-26	10.2	487
411	Critical overview on the application of sensors and biosensors for clinical analysis. *TrAC - Trends in Analytical Chemistry*, **2016**, 85, 36-60	14.6	87
410	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. *Chemosphere*, **2016**, 154, 599-603	8.4	14
409	Advantages and limitations of chemical extraction tests to predict mercury soil-plant transfer in soil risk evaluations. *Environmental Science and Pollution Research*, **2016**, 23, 14327-37	5.1	5
408	Vanillic and syringic acids from biomass burning: Behaviour during Fenton-like oxidation in atmospheric aqueous phase and in the absence of light. *Journal of Hazardous Materials*, **2016**, 313, 201-8	12.8	21
407	Simple and effective chitosan based films for the removal of Hg from waters: Equilibrium, kinetic and ionic competition. *Chemical Engineering Journal*, **2016**, 300, 217-229	14.7	46
406	Transport phenomena of nanoparticles in plants and animals/humans. *Environmental Research*, **2016**, 151, 233-243	7.9	47
405	Biological treatment with fungi of olive mill wastewater pre-treated by photocatalytic oxidation with nanomaterials. *Ecotoxicology and Environmental Safety*, **2015**, 115, 234-42	7	31
404	Sensors and biosensors for monitoring marine contaminants. *Trends in Environmental Analytical Chemistry*, **2015**, 6-7, 21-30	12	31
403	Nanoscale copper in the soil-plant system - toxicity and underlying potential mechanisms. *Environmental Research*, **2015**, 138, 306-25	7.9	102
402	Investigating the water-soluble organic functionality of urban aerosols using two-dimensional correlation of solid-state 13C NMR and FTIR spectral data. *Atmospheric Environment*, **2015**, 116, 245-252	5.3	34
401	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. *Chemosphere*, **2015**, 135, 304-11	8.4	22
400	Study on bioaccumulation and biosorption of mercury by living marine macroalgae: Prospecting for a new remediation biotechnology applied to saline waters. *Chemical Engineering Journal*, **2015**, 281, 759-770	14.7	85
399	Extraction of available and labile fractions of mercury from contaminated soils: The role of operational parameters. *Geoderma*, **2015**, 259-260, 213-223	6.7	17
398	Size-Dependent Arsenic Accumulation in Scrobicularia plana in a Temperate Coastal Lagoon (Ria de Aveiro, Portugal). *Water, Air, and Soil Pollution*, **2015**, 226, 1	2.6	10
397	Profiling Water-Soluble Organic Matter from Urban Aerosols Using Comprehensive Two-Dimensional Liquid Chromatography. *Aerosol Science and Technology*, **2015**, 49, 381-389	3.4	14
396	Juncus maritimus root biochemical assessment for its mercury stabilization potential in Ria de Aveiro coastal lagoon (Portugal). *Environmental Science and Pollution Research*, **2015**, 22, 2231-8	5.1	10

395	Plant-beneficial elements status assessment in soil-plant system in the vicinity of a chemical industry complex: shedding light on forage grass safety issues. *Environmental Science and Pollution Research*, **2015**, 22, 2239-46	5.1	9
394	Chemical composition and nutritive value of Pleurotus citrinopileatus var cornucopiae, P. eryngii, P. salmoneo stramineus, Pholiota nameko and Hericium erinaceus. *Journal of Food Science and Technology*, **2015**, 52, 6927-6939	3.3	26
393	Soil-pore water distribution of silver and gold engineered nanoparticles in undisturbed soils under unsaturated conditions. *Chemosphere*, **2015**, 136, 86-94	8.4	10
392	Chemical composition of red, brown and green macroalgae from Buarcos bay in Central West Coast of Portugal. *Food Chemistry*, **2015**, 183, 197-207	8.5	163
391	Recent developments in recognition elements for chemical sensors and biosensors. *TrAC - Trends in Analytical Chemistry*, **2015**, 68, 2-17	14.6	179
390	Unraveling the structural features of organic aerosols by NMR spectroscopy: a review. *Magnetic Resonance in Chemistry*, **2015**, 53, 658-66	2.1	15
389	Impact of enzyme- and ultrasound-assisted extraction methods on biological properties of red, brown, and green seaweeds from the central west coast of Portugal. *Journal of Agricultural and Food Chemistry*, **2015**, 63, 3177-88	5.7	103
388	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 (Anguilla anguilla L.). *Environmental Science and Pollution Research*, **2015**, 22, 18574-89	5.1	5
387	Metal partitioning and availability in estuarine surface sediments: Changes promoted by feeding activity of Scrobicularia plana and Liza ramada. *Estuarine, Coastal and Shelf Science*, **2015**, 167, 240-247	2.9	9
386	The controversial existence and functional potential of oogonial stem cells. *Maturitas*, **2015**, 82, 278-81	5	33
385	1 H NMR studies of water- and alkaline-soluble organic matter from fine urban atmospheric aerosols. *Atmospheric Environment*, **2015**, 119, 374-380	5.3	28
384	Impairment of mitochondrial energy metabolism of two marine fish by in vitro mercuric chloride exposure. *Marine Pollution Bulletin*, **2015**, 97, 488-493	6.7	11
383	Fenton-like oxidation of small aromatic acids from biomass burning in water and in the absence of light: implications for atmospheric chemistry. *Chemosphere*, **2015**, 119, 786-793	8.4	15
382	A critical overview of the analytical approaches to the occurrence, the fate and the behavior of microplastics in the environment. *TrAC - Trends in Analytical Chemistry*, **2015**, 65, 47-53	14.6	449
381	Lipids and proteins--major targets of oxidative modifications in abiotic stressed plants. *Environmental Science and Pollution Research*, **2015**, 22, 4099-121	5.1	181
380	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	5.1	4
379	Natural organic matter in urban aerosols: Comparison between water and alkaline soluble components using excitation–emission matrix fluorescence spectroscopy and multiway data analysis. *Atmospheric Environment*, **2015**, 102, 1-10	5.3	57
378	Soil management guidelines in Spain and Portugal related to EU Soil Protection Strategy based on analysis of soil databases. *Catena*, **2015**, 126, 146-154	5.8	8

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