

Armando C Duarte

List of Publications by Citations

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Version: 2024-04-27

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166
papers

9,847
citations

52
h-index

96
g-index

168
ext. papers

12,368
ext. citations

7.5
avg, IF

7.1
L-index

#	Paper	IF	Citations
166	(Nano)plastics in the environment - Sources, fates and effects. <i>Science of the Total Environment</i> , 2016 , 566-567, 15-26	10.2	487
165	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	14.6	449
164	Environmental exposure to microplastics: An overview on possible human health effects. <i>Science of the Total Environment</i> , 2020 , 702, 134455	10.2	444
163	Microplastics in the environment: Challenges in analytical chemistry - A review. <i>Analytica Chimica Acta</i> , 2018 , 1017, 1-19	6.6	348
162	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	14.6	342
161	COVID-19 Pandemic Repercussions on the Use and Management of Plastics. <i>Environmental Science & Technology</i> , 2020 , 54, 7760-7765	10.3	308
160	Graphene based sensors and biosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 91, 53-66	14.6	307
159	Increased plastic pollution due to COVID-19 pandemic: Challenges and recommendations. <i>Chemical Engineering Journal</i> , 2021 , 405, 126683	14.7	272
158	Biodegradation of polyethylene microplastics by the marine fungus <i>Zalerion maritimum</i> . <i>Science of the Total Environment</i> , 2017 , 586, 10-15	10.2	236
157	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	10.2	188
156	Lipids and proteins--major targets of oxidative modifications in abiotic stressed plants. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 4099-121	5.1	181
155	Recent developments in recognition elements for chemical sensors and biosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2015 , 68, 2-17	14.6	179
154	Review of analytical figures of merit of sensors and biosensors in clinical applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2010 , 29, 1172-1183	14.6	175
153	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	14.6	171
152	Nanoscale materials and their use in water contaminants removal-a review. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 1239-60	5.1	168
151	A synopsis on aging-Theories, mechanisms and future prospects. <i>Ageing Research Reviews</i> , 2016 , 29, 90-112	12	165
150	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	8.5	163

149	Recent Progress in Biosensors for Environmental Monitoring: A Review. <i>Sensors</i> , 2017 , 17,	3.8	161
148	Effects of microplastics on microalgae populations: A critical review. <i>Science of the Total Environment</i> , 2019 , 665, 400-405	10.2	155
147	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,	4.6	148
146	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	5.3	136
145	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	6.6	134
144	Silver nanoparticles in soil-plant systems. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	121
143	Jacks of metal/metalloid chelation trade in plants-an overview. <i>Frontiers in Plant Science</i> , 2015 , 6, 192	6.2	110
142	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, 834-41	10.2	105
141	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, 3177-88	5.7	103
140	Nanoscale copper in the soil-plant system - toxicity and underlying potential mechanisms. <i>Environmental Research</i> , 2015 , 138, 306-25	7.9	102
139	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	10.2	101
138	Metal/metalloid stress tolerance in plants: role of ascorbate, its redox couple, and associated enzymes. <i>Protoplasma</i> , 2014 , 251, 1265-83	3.4	96
137	Effects of organic and inorganic amendments on soil organic matter properties. <i>Geoderma</i> , 2009 , 150, 38-45	6.7	92
136	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	2.3	91
135	Strategies for enhancing the analytical performance of nanomaterial-based sensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2013 , 47, 27-36	14.6	88
134	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	6.2	87
133	Advances in point-of-care technologies with biosensors based on carbon nanotubes. <i>TrAC - Trends in Analytical Chemistry</i> , 2013 , 45, 24-36	14.6	87
132	Critical overview on the application of sensors and biosensors for clinical analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2016 , 85, 36-60	14.6	87

131	Too much is bad--an appraisal of phytotoxicity of elevated plant-beneficial heavy metal ions. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 3361-82	5.1	85
130	Marine biotechnology advances towards applications in new functional foods. <i>Biotechnology Advances</i> , 2012 , 30, 1506-15	17.8	85
129	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	5.1	81
128	Olive oil mill wastewaters before and after treatment: a critical review from the ecotoxicological point of view. <i>Ecotoxicology</i> , 2012 , 21, 615-29	2.9	80
127	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, 2689-700	10.2	74
126	Extractability and mobility of mercury from agricultural soils surrounding industrial and mining contaminated areas. <i>Chemosphere</i> , 2010 , 81, 1369-77	8.4	74
125	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	10.2	72
124	Microplastics in soils: assessment, analytics and risks. <i>Environmental Chemistry</i> , 2019 , 16, 18	3.2	70
123	Disposable sensors for environmental monitoring of lead, cadmium and mercury. <i>TrAC - Trends in Analytical Chemistry</i> , 2015 , 64, 183-190	14.6	69
122	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, 4073-80	12.5	66
121	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	4.1	63
120	Spectroscopic characterization of dissolved organic matter isolated from rainwater. <i>Chemosphere</i> , 2009 , 74, 1053-61	8.4	58
119	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	5.3	57
118	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	56
117	Contamination issues as a challenge in quality control and quality assurance in microplastics analytics. <i>Journal of Hazardous Materials</i> , 2021 , 403, 123660	12.8	56
116	Label-free disposable immunosensor for detection of atrazine. <i>Talanta</i> , 2016 , 146, 430-4	6.2	55
115	Comparative characterization of humic substances from the open ocean, estuarine water and fresh water. <i>Organic Geochemistry</i> , 2009 , 40, 942-950	3.1	53
114	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	2.3	51

113	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	12.5	51
112	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	51
111	Microplastics Occurrence, Fate and Behaviour in the Environment. <i>Comprehensive Analytical Chemistry</i> , 2017 , 1-24	1.9	50
110	Micro(nano)plastics Analytical challenges towards risk evaluation. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 111, 173-184	14.6	50
109	In vitro fermentation and prebiotic potential of selected extracts from seaweeds and mushrooms. <i>LWT - Food Science and Technology</i> , 2016 , 73, 131-139	5.4	49
108	Thermo-desorption: A valid tool for mercury speciation in soils and sediments?. <i>Geoderma</i> , 2015 , 237-238, 98-104	6.7	47
107	Transport phenomena of nanoparticles in plants and animals/humans. <i>Environmental Research</i> , 2016 , 151, 233-243	7.9	47
106	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, 172-9	10.2	46
105	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	14.6	46
104	Particulate Size Distributed Organic Compounds in a Forest Atmosphere. <i>Environmental Science & Technology</i> , 2000 , 34, 4287-4293	10.3	46
103	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	5.9	43
102	Sorption-desorption behavior of atrazine on soils subjected to different organic long-term amendments. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 3101-6	5.7	40
101	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, 389-96	8.4	40
100	Identification of microplastics in white wines capped with polyethylene stoppers using micro-Raman spectroscopy. <i>Food Chemistry</i> , 2020 , 331, 127323	8.5	39
99	Analytical techniques for discovery of bioactive compounds from marine fungi. <i>TrAC - Trends in Analytical Chemistry</i> , 2012 , 34, 97-110	14.6	39
98	An easy method for processing and identification of natural and synthetic microfibers and microplastics in indoor and outdoor air. <i>MethodsX</i> , 2020 , 7, 1-9	1.9	39
97	Disposable immunosensors for C-reactive protein based on carbon nanotubes field effect transistors. <i>Talanta</i> , 2013 , 108, 165-70	6.2	37
96	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	5.3	34

95	A One Health perspective of the impacts of microplastics on animal, human and environmental health. <i>Science of the Total Environment</i> , 2021 , 777, 146094	10.2	34
94	Extraction of mercury water-soluble fraction from soils: An optimization study. <i>Geoderma</i> , 2014 , 213, 255-260	6.7	32
93	Improving growth and productivity of Oleiferous Brassicas under changing environment: significance of nitrogen and sulphur nutrition, and underlying mechanisms. <i>Scientific World Journal, The</i> , 2012 , 2012, 657808	2.2	32
92	Optimization of phenolic compounds analysis by capillary electrophoresis. <i>Talanta</i> , 2007 , 72, 1404-9	6.2	32
91	Sensors and biosensors for monitoring marine contaminants. <i>Trends in Environmental Analytical Chemistry</i> , 2015 , 6-7, 21-30	12	31
90	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	6.7	31
89	Biotechnological tools for the effective management of plastics in the environment. <i>Critical Reviews in Environmental Science and Technology</i> , 2019 , 49, 410-441	11.1	31
88	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	10.2	30
87	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, 227-37	5.1	30
86	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	29
85	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	5.4	29
84	¹ H NMR studies of water- and alkaline-soluble organic matter from fine urban atmospheric aerosols. <i>Atmospheric Environment</i> , 2015 , 119, 374-380	5.3	28
83	Biophysical and Biochemical Markers of Metal/Metalloid-Impacts in Salt Marsh Halophytes and Their Implications. <i>Frontiers in Environmental Science</i> , 2016 , 4,	4.8	27
82	Strategies based on silica monoliths for removing pollutants from wastewater effluents: a review. <i>Science of the Total Environment</i> , 2013 , 461-462, 126-38	10.2	26
81	Worldwide contamination of fish with microplastics: A brief global overview. <i>Marine Pollution Bulletin</i> , 2020 , 160, 111681	6.7	26
80	Effects of spatial and seasonal factors on the characteristics and carbonyl index of (micro)plastics in a sandy beach in Aveiro, Portugal. <i>Science of the Total Environment</i> , 2020 , 709, 135892	10.2	26
79	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	8.1	25
78	Spectroscopic changes on fulvic acids from a kraft pulp mill effluent caused by sun irradiation. <i>Chemosphere</i> , 2008 , 73, 1845-52	8.4	25

77	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		25
76	Immunosensors in Clinical Laboratory Diagnostics. <i>Advances in Clinical Chemistry</i> , 2016 , 73, 65-108	5.8	24
75	Humic substances' proton-binding equilibria: assessment of errors and limitations of potentiometric data. <i>Analytica Chimica Acta</i> , 1999 , 392, 333-341	6.6	24
74	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	8.1	23
73	Eriophorum angustifolium and Lolium perenne 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, 568-81	5.1	23
72	Chemical and structural characterization of Pholiota nameko extracts with biological properties. <i>Food Chemistry</i> , 2017 , 216, 176-85	8.5	23
71	Development of an electrochemical biosensor for alkylphenol detection. <i>Talanta</i> , 2016 , 158, 30-34	6.2	22
70	Risks of Covid-19 face masks to wildlife: Present and future research needs. <i>Science of the Total Environment</i> , 2021 , 792, 148505	10.2	22
69	Analytical applications of affibodies. <i>TrAC - Trends in Analytical Chemistry</i> , 2015 , 65, 73-82	14.6	21
68	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, 201-8	12.8	21
67	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	3.8	19
66	Extraction of available and labile fractions of mercury from contaminated soils: The role of operational parameters. <i>Geoderma</i> , 2015 , 259-260, 213-223	6.7	17
65	Graphene immunosensors for okadaic acid detection in seawater. <i>Microchemical Journal</i> , 2018 , 138, 465-471	4.81	17
64	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	1.8	17
63	Microplastics and fibers from three areas under different anthropogenic pressures in Douro river. <i>Science of the Total Environment</i> , 2021 , 776, 145999	10.2	17
62	<i>Halimione portulacoides</i> (L.) physiological/biochemical characterization for its adaptive responses to environmental mercury exposure. <i>Environmental Research</i> , 2014 , 131, 39-49	7.9	16
61	Effects of solar radiation on the fluorescence properties and molecular weight of fulvic acids from pulp mill effluents. <i>Chemosphere</i> , 2008 , 71, 1539-46	8.4	16
60	Unraveling the structural features of organic aerosols by NMR spectroscopy: a review. <i>Magnetic Resonance in Chemistry</i> , 2015 , 53, 658-66	2.1	15

59	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	8.4	15
58	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	3	15
57	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	10.2	14
56	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	6.6	14
55	Disposable over Reusable Face Masks: Public Safety or Environmental Disaster?. <i>Environments - MDPI</i> , 2021 , 8, 31	3.2	14
54	Microplastics Sampling and Sample Handling. <i>Comprehensive Analytical Chemistry</i> , 2017 , 75, 25-47	1.9	13
53	and Enzymatic Extracts: Chemical, Structural, and Cytotoxic Characterization. <i>Marine Drugs</i> , 2019 , 17,	6	13
52	Disposable biosensor for detection of iron (III) in wines. <i>Talanta</i> , 2016 , 154, 80-4	6.2	13
51	Green analytical methodologies for the discovery of bioactive compounds from marine sources. <i>Trends in Environmental Analytical Chemistry</i> , 2014 , 3-4, 43-52	12	13
50	Environmental status of (micro)plastics contamination in Portugal. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 200, 110753	7	13
49	Effects of distance to the sea and geomorphological characteristics on the quantity and distribution of microplastics in beach sediments of Granada (Spain). <i>Science of the Total Environment</i> , 2020 , 746, 142023	10.2	13
48	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, 1459-70	2.1	12
47	Treatment of Olive Oil Mill Wastewater by Silica-Alginate-Bungi Biocomposites. <i>Water, Air, and Soil Pollution</i> , 2012 , 223, 4307-4318	2.6	12
46	Development and application of a capillary electrophoresis based method for the assessment of monosaccharide in soil using acid hydrolysis. <i>Talanta</i> , 2007 , 72, 165-71	6.2	12
45	Solid-phase extraction and capillary electrophoresis determination of phenols from soil after alkaline CuO oxidation. <i>Chemosphere</i> , 2007 , 69, 561-8	8.4	12
44	Stable carbon isotope ratios of tandem fractionated humic substances from different water bodies. <i>Organic Geochemistry</i> , 2007 , 38, 957-966	3.1	11
43	<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, 2231-8	5.1	10
42	Marine Functional Foods 2015 , 969-994		10

41	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, 2239-46	5.1	9
40	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	14.6	9
39	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	6.6	9
38	Selection of microplastics by Nile Red staining increases environmental sample throughput by micro-Raman spectroscopy. <i>Science of the Total Environment</i> , 2021 , 783, 146979	10.2	9
37	Preparation of biological samples for microplastic identification by Nile Red. <i>Science of the Total Environment</i> , 2021 , 783, 147065	10.2	9
36	Analytical tools to assess aging in humans: The rise of geri-omics. <i>TrAC - Trends in Analytical Chemistry</i> , 2016 , 80, 204-212	14.6	8
35	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, 6652-61	5.1	8
34	Introduction to the Analysis of Bioactive Compounds in Marine Samples. <i>Comprehensive Analytical Chemistry</i> , 2014 , 1-13	1.9	8
33	NMR Studies of Organic Aerosols. <i>Annual Reports on NMR Spectroscopy</i> , 2017 , 92, 83-135	1.7	7
32	Screening of single-walled carbon nanotubes by optical fiber sensing. <i>Talanta</i> , 2012 , 89, 105-8	6.2	7
31	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	12.5	6
30	Bioactive Polysaccharides Extracts from <i>Sargassum muticum</i> by High Hydrostatic Pressure. <i>Journal of Food Processing and Preservation</i> , 2017 , 41, e12977	2.1	6
29	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	6
28	Analytical strategies for characterization and validation of functional dairy foods. <i>TrAC - Trends in Analytical Chemistry</i> , 2012 , 41, 27-45	14.6	5
27	Exploring water-soluble organic aerosols structures in urban atmosphere using advanced solid-state ¹³ C NMR spectroscopy. <i>Atmospheric Environment</i> , 2020 , 230, 117503	5.3	5
26	Classical Methodologies for Preparation of Extracts and Fractions. <i>Comprehensive Analytical Chemistry</i> , 2014 , 65, 35-57	1.9	4
25	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, 191-5	3.1	4
24	Considerations when using microplates and Neubauer counting chamber in ecotoxicity tests on microplastics. <i>Marine Pollution Bulletin</i> , 2021 , 170, 112615	6.7	3

23	Analytical Techniques for Discovery of Bioactive Compounds from Marine Fungi 2017 , 415-434		2
22	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, 12272-86	5.1	2
21	Online Combination of Bioassays with Chemical and Structural Characterization for Detection of Bioactive Compounds. <i>Comprehensive Analytical Chemistry</i> , 2014 , 253-278	1.9	2
20	Atmospheric Organic Matter 1996 , 415-426		2
19	Suspected microplastics in Atlantic horse mackerel fish (<i>Trachurus trachurus</i>) captured in Portugal.. <i>Marine Pollution Bulletin</i> , 2021 , 174, 113249	6.7	2
18	A straightforward method for microplastic extraction from organic-rich freshwater samples.. <i>Science of the Total Environment</i> , 2022 , 815, 152941	10.2	2
17	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> , 2021 , 816, 151642	10.2	2
16	Structural Characterization of Dissolved Organic Matter in Permafrost Peatland Lakes. <i>Water (Switzerland)</i> , 2020 , 12, 3059	3	2
15	Multidimensional Analytical Characterization of Water-Soluble Organic Aerosols: Challenges and New Perspectives. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2539	2.6	2
14	Nanomaterials in Lab-on-Chip Chromatography 2018 , 387-400		1
13	Airborne microplastics and fibers in indoor residential environments in Aveiro, Portugal. <i>Environmental Advances</i> , 2021 , 6, 100134	3.5	1
12	Airborne Microplastics 2020 , 1-25		1
11	Introduction to the Analytical Methodologies for the Analysis of Microplastics 2020 , 1-31		1
10	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	8.5	1
9	Airborne Microplastics 2022 , 177-201		1
8	Introduction to the Analytical Methodologies for the Analysis of Microplastics 2022 , 3-32		0
7	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 , 154269	10.2	0
6	Nanomaterials and Microplastics 2018 , 117-117		

- 5 Collection and Separation of Microplastics **2021**, 1-24
- 4 Airborne Microplastics **2021**, 1-25
- 3 Analytical Techniques for Discovery of Bioactive Compounds from Marine Fungi **2016**, 1-20
- 2 Collection and Separation of Microplastics **2022**, 33-56
- 1 Interaction of microplastics with metal(oid)s in aquatic environments: what is done so far?. *Journal of Hazardous Materials Advances*, **2022**, 100072