

Armando C Duarte

List of Publications by Year in descending order

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Version: 2024-02-01

164
papers

15,441
citations

19657

61
h-index

18130

120
g-index

168
all docs

168
docs citations

168
times ranked

16285
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental exposure to microplastics: An overview on possible human health effects. <i>Science of the Total Environment</i> , 2020, 702, 134455.	8.0	1,101
2	(Nano)plastics in the environment – Sources, fates and effects. <i>Science of the Total Environment</i> , 2016, 566-567, 15-26.	8.0	725
3	COVID-19 Pandemic Repercussions on the Use and Management of Plastics. <i>Environmental Science & Technology</i> , 2020, 54, 7760-7765.	10.0	649
4	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
5	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
6	Increased plastic pollution due to COVID-19 pandemic: Challenges and recommendations. <i>Chemical Engineering Journal</i> , 2021, 405, 126683.	12.7	552
7	Microplastics in the environment: Challenges in analytical chemistry - A review. <i>Analytica Chimica Acta</i> , 2018, 1017, 1-19.	5.4	546
8	Graphene based sensors and biosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 91, 53-66.	11.4	425
9	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
10	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
11	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
12	Effects of microplastics on microalgae populations: A critical review. <i>Science of the Total Environment</i> , 2019, 665, 400-405.	8.0	288
13	A synopsis on aging – Theories, mechanisms and future prospects. <i>Ageing Research Reviews</i> , 2016, 29, 90-112.	10.9	277
14	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
15	Recent Progress in Biosensors for Environmental Monitoring: A Review. <i>Sensors</i> , 2017, 17, 2918.	3.8	255
16	Lipids and proteins – major targets of oxidative modifications in abiotic stressed plants. <i>Environmental Science and Pollution Research</i> , 2015, 22, 4099-4121.	5.3	252
17	Recent developments in recognition elements for chemical sensors and biosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 68, 2-17.	11.4	242
18	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

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19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	Jacks of metal/metalloid chelation trade in plants—An overview. <i>Frontiers in Plant Science</i> , 2015, 6, 192.	3.6	148
27	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
28	Silver nanoparticles in soil—plant systems. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	144
29	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
30	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
31	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
32	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.	8.0	130
33	Nanoscale copper in the soil—plant system— toxicity and underlying potential mechanisms. <i>Environmental Research</i> , 2015, 138, 306-325.	7.5	124
34	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
35	Effects of organic and inorganic amendments on soil organic matter properties. <i>Geoderma</i> , 2009, 150, 38-45.	5.1	118
36	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

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37	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
38	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
39	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
40	Strategies for enhancing the analytical performance of nanomaterial-based sensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 47, 27-36.	11.4	103
41	Marine biotechnology advances towards applications in new functional foods. <i>Biotechnology Advances</i> , 2012, 30, 1506-1515.	11.7	102
42	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
43	Microplastics in soils: assessment, analytics and risks. <i>Environmental Chemistry</i> , 2019, 16, 18.	1.5	97
44	Identification of microplastics in white wines capped with polyethylene stoppers using micro-Raman spectroscopy. <i>Food Chemistry</i> , 2020, 331, 127323.	8.2	95
45	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
46	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
47	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
48	Disposable sensors for environmental monitoring of lead, cadmium and mercury. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 64, 183-190.	11.4	82
49	Extractability and mobility of mercury from agricultural soils surrounding industrial and mining contaminated areas. <i>Chemosphere</i> , 2010, 81, 1369-1377.	8.2	79
50	Micro(nano)plastics – Analytical challenges towards risk evaluation. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 111, 173-184.	11.4	79
51	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
52	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
53	Worldwide contamination of fish with microplastics: A brief global overview. <i>Marine Pollution Bulletin</i> , 2020, 160, 111681.	5.0	77
54	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

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55	Risks of Covid-19 face masks to wildlife: Present and future research needs. <i>Science of the Total Environment</i> , 2021, 792, 148505.	8.0	73
56	Label-free disposable immunosensor for detection of atrazine. <i>Talanta</i> , 2016, 146, 430-434.	5.5	69
57	An easy method for processing and identification of natural and synthetic microfibers and microplastics in indoor and outdoor air. <i>MethodsX</i> , 2020, 7, 100762.	1.6	68
58	Spectroscopic characterization of dissolved organic matter isolated from rainwater. <i>Chemosphere</i> , 2009, 74, 1053-1061.	8.2	67
59	Microplastics " Occurrence, Fate and Behaviour in the Environment. <i>Comprehensive Analytical Chemistry</i> , 2017, , 1-24.	1.3	67
60	Thermo-desorption: A valid tool for mercury speciation in soils and sediments?. <i>Geoderma</i> , 2015, 237-238, 98-104.	5.1	66
61	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
62	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
63	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.	8.0	63
64	InÂvitro 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
65	Transport phenomena of nanoparticles in plants and animals/humans. <i>Environmental Research</i> , 2016, 151, 233-243.	7.5	60
66	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
67	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
68	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
69	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
70	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
71	Particulate Size Distributed Organic Compounds in a Forest Atmosphere. <i>Environmental Science & Technology</i> , 2000, 34, 4287-4293.	10.0	54
72	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

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73	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
74	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
75	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
76	Analytical techniques for discovery of bioactive compounds from marine fungi. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 34, 97-110.	11.4	52
77	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
78	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
79	Disposable immunosensors for C-reactive protein based on carbon nanotubes field effect transistors. <i>Talanta</i> , 2013, 108, 165-170.	5.5	42
80	Sensors and biosensors for monitoring marine contaminants. <i>Trends in Environmental Analytical Chemistry</i> , 2015, 6-7, 21-30.	10.3	38
81	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
82	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
83	Disposable over Reusable Face Masks: Public Safety or Environmental Disaster?. <i>Environments - MDPI</i> , 2021, 8, 31.	3.3	38
84	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
85	Microplastics and fibers from three areas under different anthropogenic pressures in Douro river. <i>Science of the Total Environment</i> , 2021, 776, 145999.	8.0	37
86	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.	8.0	36
87	Preparation of biological samples for microplastic identification by Nile Red. <i>Science of the Total Environment</i> , 2021, 783, 147065.	8.0	36
88	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
89	Optimization of phenolic compounds analysis by capillary electrophoresis. <i>Talanta</i> , 2007, 72, 1404-1409.	5.5	34
90	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

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91	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
92	Extraction of mercury water-soluble fraction from soils: An optimization study. <i>Geoderma</i> , 2014, 213, 255-260.	5.1	33
93	Immunosensors in Clinical Laboratory Diagnostics. <i>Advances in Clinical Chemistry</i> , 2016, 73, 65-108.	3.7	33
94	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.	8.0	33
95	Environmental status of (micro)plastics contamination in Portugal. <i>Ecotoxicology and Environmental Safety</i> , 2020, 200, 110753.	6.0	32
96	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
97	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
98	Development of an electrochemical biosensor for alkylphenol detection. <i>Talanta</i> , 2016, 158, 30-34.	5.5	28
99	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
100	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
101	Chemical and structural characterization of <i>Pholiota nameko</i> extracts with biological properties. <i>Food Chemistry</i> , 2017, 216, 176-185.	8.2	27
102	Analytical applications of affibodies. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 65, 73-82.	11.4	26
103	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
104	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
105	<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
106	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
107	<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
108	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

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109	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
110	Graphene immunosensors for okadaic acid detection in seawater. <i>Microchemical Journal</i> , 2018, 138, 465-471.	4.5	23
111	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
112	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
113	A straightforward method for microplastic extraction from organic-rich freshwater samples. <i>Science of the Total Environment</i> , 2022, 815, 152941.	8.0	21
114	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
115	Airborne microplastics and fibers in indoor residential environments in Aveiro, Portugal. <i>Environmental Advances</i> , 2021, 6, 100134.	4.8	20
116	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
117	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
118	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
119	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
120	<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
121	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
122	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
123	Disposable biosensor for detection of iron (III) in wines. <i>Talanta</i> , 2016, 154, 80-84.	5.5	17
124	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
125	Microplastics Sampling and Sample Handling. <i>Comprehensive Analytical Chemistry</i> , 2017, 75, 25-47.	1.3	15
126	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

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127	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
128	Multidimensional Analytical Characterization of Water-Soluble Organic Aerosols: Challenges and New Perspectives. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2539.	2.5	14
129	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
130	Marine Functional Foods. , 2015, , 969-994.		13
131	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
132	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
133	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
134	Stable carbon isotope ratios of tandem fractionated humic substances from different water bodies. <i>Organic Geochemistry</i> , 2007, 38, 957-966.	1.8	11
135	Analytical strategies for characterization and validation of functional dairy foods. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 41, 27-45.	11.4	10
136	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
137	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
138	<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
139	NMR Studies of Organic Aerosols. <i>Annual Reports on NMR Spectroscopy</i> , 2017, 92, 83-135.	1.5	10
140	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
141	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
142	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
143	Introduction to the Analysis of Bioactive Compounds in Marine Samples. <i>Comprehensive Analytical Chemistry</i> , 2014, , 1-13.	1.3	8
144	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

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145	Screening of single-walled carbon nanotubes by optical fiber sensing. <i>Talanta</i> , 2012, 89, 105-108.	5.5	7
146	Classical Methodologies for Preparation of Extracts and Fractions. <i>Comprehensive Analytical Chemistry</i> , 2014, 65, 35-57.	1.3	7
147	Structural Characterization of Dissolved Organic Matter in Permafrost Peatland Lakes. <i>Water (Switzerland)</i> , 2020, 12, 3059.	2.7	7
148	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
149	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
150	Considerations when using microplates and Neubauer counting chamber in ecotoxicity tests on microplastics. <i>Marine Pollution Bulletin</i> , 2021, 170, 112615.	5.0	6
151	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
152	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
153	Analytical Techniques for Discovery of Bioactive Compounds from Marine Fungi. , 2017, , 415-434.		3
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