

# Teresa A P Rocha-Santos

## List of Publications by Year in descending order

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205  
papers

15,702  
citations

25034

57  
h-index

18647

119  
g-index

214  
all docs

214  
docs citations

214  
times ranked

16543  
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 &amp; 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	Supercritical fluid extraction of bioactive compounds. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 76, 40-51.	11.4	430
9	Graphene based sensors and biosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 91, 53-66.	11.4	425
10	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
11	Histopathological and molecular effects of microplastics in <i>Eisenia andrei</i> Bouché. <i>Environmental Pollution</i> , 2017, 220, 495-503.	7.5	412
12	Sensors and biosensors based on magnetic nanoparticles. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 62, 28-36.	11.4	401
13	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
14	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
15	Effects of microplastics on microalgae populations: A critical review. <i>Science of the Total Environment</i> , 2019, 665, 400-405.	8.0	288
16	A synopsis on aging – Theories, mechanisms and future prospects. <i>Ageing Research Reviews</i> , 2016, 29, 90-112.	10.9	277
17	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
18	Recent Progress in Biosensors for Environmental Monitoring: A Review. <i>Sensors</i> , 2017, 17, 2918.	3.8	255

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19	Recent developments in recognition elements for chemical sensors and biosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 68, 2-17.	11.4	242
20	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
21	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
22	Levels, sources and potential human health risks of organic pollutants in urban soils. <i>Science of the Total Environment</i> , 2012, 430, 184-192.	8.0	204
23	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
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	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
27	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
28	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
29	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
30	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
31	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
32	Strategies for enhancing the analytical performance of nanomaterial-based sensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 47, 27-36.	11.4	103
33	Marine biotechnology advances towards applications in new functional foods. <i>Biotechnology Advances</i> , 2012, 30, 1506-1515.	11.7	102
34	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
35	Microplastics in soils: assessment, analytics and risks. <i>Environmental Chemistry</i> , 2019, 16, 18.	1.5	97
36	Identification of microplastics in white wines capped with polyethylene stoppers using micro-Raman spectroscopy. <i>Food Chemistry</i> , 2020, 331, 127323.	8.2	95

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37	Influence of l-cysteine, oxygen and relative humidity upon survival throughout storage of probiotic bacteria in whey protein-based microcapsules. <i>International Dairy Journal</i> , 2011, 21, 869-876.	3.0	94
38	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
39	Microplastics in landfill leachates: The need for reconnaissance studies and remediation technologies. <i>Case Studies in Chemical and Environmental Engineering</i> , 2021, 3, 100072.	6.1	86
40	The Role of Legislation, Regulatory Initiatives and Guidelines on the Control of Plastic Pollution. <i>Frontiers in Environmental Science</i> , 2020, 8, .	3.3	84
41	Disposable sensors for environmental monitoring of lead, cadmium and mercury. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 64, 183-190.	11.4	82
42	Impact of organic and inorganic nanomaterials in the soil microbial community structure. <i>Science of the Total Environment</i> , 2012, 424, 344-350.	8.0	80
43	Micro(nano)plastics – Analytical challenges towards risk evaluation. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 111, 173-184.	11.4	79
44	Worldwide contamination of fish with microplastics: A brief global overview. <i>Marine Pollution Bulletin</i> , 2020, 160, 111681.	5.0	77
45	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
46	Label-free disposable immunosensor for detection of atrazine. <i>Talanta</i> , 2016, 146, 430-434.	5.5	69
47	Optical fiber biosensor coupled to chromatographic separation for screening of dopamine, norepinephrine and epinephrine in human urine and plasma. <i>Talanta</i> , 2009, 80, 853-857.	5.5	68
48	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
49	Microplastics – Occurrence, Fate and Behaviour in the Environment. <i>Comprehensive Analytical Chemistry</i> , 2017, , 1-24.	1.3	67
50	Biological treatment of the effluent from a bleached kraft pulp mill using basidiomycete and zygomycete fungi. <i>Science of the Total Environment</i> , 2009, 407, 3282-3289.	8.0	66
51	Toxicity and genotoxicity of organic and inorganic nanoparticles to the bacteria <i>Vibrio fischeri</i> and <i>Salmonella typhimurium</i> . <i>Ecotoxicology</i> , 2012, 21, 637-648.	2.4	64
52	The potential effect of FOS and inulin upon probiotic bacterium performance in curdled milk matrices. <i>LWT - Food Science and Technology</i> , 2011, 44, 100-108.	5.2	63
53	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
54	Lipolysis in probiotic and synbiotic cheese: The influence of probiotic bacteria, prebiotic compounds and ripening time on free fatty acid profiles. <i>Food Chemistry</i> , 2012, 131, 1414-1421.	8.2	62

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55	Degradation of phenols in olive oil mill wastewater by biological, enzymatic, and photo-Fenton oxidation. <i>Environmental Science and Pollution Research</i> , 2010, 17, 650-656.	5.3	61
56	Contaminants in aquaculture: Overview of analytical techniques for their determination. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 80, 293-310.	11.4	61
57	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
58	Review of the ecotoxicological effects of emerging contaminants to soil biota. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2017, 52, 992-1007.	1.7	59
59	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
60	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. <i>Chemical Engineering Journal</i> , 2021, 426, 131201.	12.7	59
61	Toxicity and organic content characterization of olive oil mill wastewater undergoing a sequential treatment with fungi and photo-Fenton oxidation. <i>Journal of Hazardous Materials</i> , 2009, 172, 1560-1572.	12.4	58
62	Analytical techniques for discovery of bioactive compounds from marine fungi. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 34, 97-110.	11.4	52
63	Metabolic Profiling of Potential Probiotic or Synbiotic Cheeses by Nuclear Magnetic Resonance (NMR) Spectroscopy. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 4955-4961.	5.2	51
64	Storage Stability of <i>Lactobacillus paracasei</i> as Free Cells or Encapsulated in Alginate-Based Microcapsules in Low pH Fruit Juices. <i>Food and Bioprocess Technology</i> , 2012, 5, 2748-2757.	4.7	51
65	Assessing the ecotoxicity of metal nano-oxides with potential for wastewater treatment. <i>Environmental Science and Pollution Research</i> , 2015, 22, 13212-13224.	5.3	51
66	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
67	Microplastic pollution in the sediments of Sidi Mansour Harbor in Southeast Tunisia. <i>Marine Pollution Bulletin</i> , 2019, 146, 92-99.	5.0	48
68	Are Biobased Plastics Green Alternatives?â€”A Critical Review. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 7729.	2.6	48
69	Major inputs and mobility of potentially toxic elements contamination in urban areas. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 279-294.	2.7	47
70	Breath analysis by optical fiber sensor for the determination of exhaled organic compounds with a view to diagnostics. <i>Talanta</i> , 2011, 83, 1586-1594.	5.5	43
71	High performance liquid chromatography coupled to an optical fiber detector coated with laccase for screening catecholamines in plasma and urine. <i>Journal of Chromatography A</i> , 2009, 1216, 7049-7054.	3.7	42
72	Disposable immunosensors for C-reactive protein based on carbon nanotubes field effect transistors. <i>Talanta</i> , 2013, 108, 165-170.	5.5	42

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73	Chemical composition and nutritive value of <i>Pleurotus citrinopileatus</i> var <i>cornucopiae</i> , <i>P. eryngii</i> , <i>P. salmoneo stramineus</i> , <i>Pholiota nameko</i> and <i>Hericium erinaceus</i> . <i>Journal of Food Science and Technology</i> , 2015, 52, 6927-6939.	2.8	42
74	Production of conjugated linoleic acid by food-grade bacteria: A review. <i>International Journal of Dairy Technology</i> , 2012, 65, 467-481.	2.8	41
75	Direct-reading methods for analysis of volatile organic compounds and nanoparticles in workplace air. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 53, 21-32.	11.4	41
76	Antioxidative Peptides: Trends and Perspectives for Future Research. <i>Current Medicinal Chemistry</i> , 2013, 20, 4575-4594.	2.4	40
77	Biological treatment with fungi of olive mill wastewater pre-treated by photocatalytic oxidation with nanomaterials. <i>Ecotoxicology and Environmental Safety</i> , 2015, 115, 234-242.	6.0	39
78	Green Analytical Methodologies for Preparation of Extracts and Analysis of Bioactive Compounds. <i>Comprehensive Analytical Chemistry</i> , 2014, , 59-78.	1.3	38
79	Sensors and biosensors for monitoring marine contaminants. <i>Trends in Environmental Analytical Chemistry</i> , 2015, 6-7, 21-30.	10.3	38
80	Disposable over Reusable Face Masks: Public Safety or Environmental Disaster?. <i>Environments - MDPI</i> , 2021, 8, 31.	3.3	38
81	Development of Probiotic Tablets Using Microparticles: Viability Studies and Stability Studies. <i>AAPS PharmSciTech</i> , 2013, 14, 121-127.	3.3	37
82	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
83	Screening evaluation of the ecotoxicity and genotoxicity of soils contaminated with organic and inorganic nanoparticles: The role of ageing. <i>Journal of Hazardous Materials</i> , 2011, 194, 345-354.	12.4	36
84	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
85	Preparation of biological samples for microplastic identification by Nile Red. <i>Science of the Total Environment</i> , 2021, 783, 147065.	8.0	36
86	Characterization of freezing effect upon stability of, probiotic loaded, calcium-alginate microparticles. <i>Food and Bioproducts Processing</i> , 2015, 93, 90-97.	3.6	34
87	Ecotoxicity of titanium silicon oxide (TiSiO <sub>4</sub> ) nanomaterial for terrestrial plants and soil invertebrate species. <i>Ecotoxicology and Environmental Safety</i> , 2016, 129, 291-301.	6.0	34
88	Immunosensors in Clinical Laboratory Diagnostics. <i>Advances in Clinical Chemistry</i> , 2016, 73, 65-108.	3.7	33
89	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
90	Environmental status of (micro)plastics contamination in Portugal. <i>Ecotoxicology and Environmental Safety</i> , 2020, 200, 110753.	6.0	32

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91	Treatment of real industrial wastewaters through nano-TiO <sub>2</sub> and nano-Fe <sub>2</sub> O <sub>3</sub> photocatalysis: case study of mining and kraft pulp mill effluents. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 1586-1596.	2.2	31
92	Encapsulation of probiotic strains in plain or cysteine-supplemented alginate improves viability at storage below freezing temperatures. <i>Engineering in Life Sciences</i> , 2012, 12, 457-465.	3.6	29
93	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
94	Removal of phenolic compounds in olive mill wastewater by silica-alginate-fungi biocomposites. <i>International Journal of Environmental Science and Technology</i> , 2014, 11, 589-596.	3.5	28
95	Toxicity of solid residues resulting from wastewater treatment with nanomaterials. <i>Aquatic Toxicology</i> , 2015, 165, 172-178.	4.0	28
96	Development of an electrochemical biosensor for alkylphenol detection. <i>Talanta</i> , 2016, 158, 30-34.	5.5	28
97	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
98	Development of a fluorosiloxane polymer-coated optical fibre sensor for detection of organic volatile compounds. <i>Sensors and Actuators B: Chemical</i> , 2008, 132, 280-289.	7.8	27
99	Chemical and structural characterization of <i>Pholiota nameko</i> extracts with biological properties. <i>Food Chemistry</i> , 2017, 216, 176-185.	8.2	27
100	Evaluation of the Potential Toxicity of Effluents from the Textile Industry before and after Treatment. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3804.	2.5	27
101	The effectiveness of a biological treatment with <i>Rhizopus oryzae</i> and of a photo-Fenton oxidation in the mitigation of toxicity of a bleached kraft pulp mill effluent. <i>Water Research</i> , 2009, 43, 2471-2480.	11.3	26
102	Toxicity of organic and inorganic nanoparticles to four species of white-rot fungi. <i>Science of the Total Environment</i> , 2013, 458-460, 290-297.	8.0	26
103	Bioactive compounds derived from echinoderms. <i>RSC Advances</i> , 2014, 4, 29365-29382.	3.6	26
104	Analytical applications of affibodies. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 65, 73-82.	11.4	26
105	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
106	Remote optical fibre microsensor for monitoring BTEX in confined industrial atmospheres. <i>Talanta</i> , 2009, 78, 548-552.	5.5	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	Microplastics on Barra beach sediments in Aveiro, Portugal. <i>Marine Pollution Bulletin</i> , 2021, 167, 112264.	5.0	24

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109	Graphene immunosensors for okadaic acid detection in seawater. <i>Microchemical Journal</i> , 2018, 138, 465-471.	4.5	23
110	Excreted Thiocyanate Detects Live Reef Fishes Illegally Collected Using Cyanide – A Non-Invasive and Non-Destructive Testing Approach. <i>PLoS ONE</i> , 2012, 7, e35355.	2.5	22
111	Airborne particulate-associated polyaromatic hydrocarbons, n-alkanes, elemental and organic carbon in three European cities. <i>Journal of Environmental Monitoring</i> , 2002, 4, 890-896.	2.1	21
112	Toxicological impact of cadmium-based quantum dots towards aquatic biota: Effect of natural sunlight exposure. <i>Aquatic Toxicology</i> , 2016, 176, 197-207.	4.0	21
113	Biological synthesis of nanosized sulfide semiconductors: current status and future prospects. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 8283-8302.	3.6	21
114	A straightforward method for microplastic extraction from organic-rich freshwater samples. <i>Science of the Total Environment</i> , 2022, 815, 152941.	8.0	21
115	Determination of Sulfur Dioxide in Wine Using a Quartz Crystal Microbalance. <i>Analytical Chemistry</i> , 1996, 68, 1561-1564.	6.5	20
116	Optical fibre-based micro-analyser for indirect measurements of volatile amines levels in fish. <i>Food Chemistry</i> , 2010, 123, 806-813.	8.2	20
117	Potential of the bivalve <i>Corbicula fluminea</i> for the remediation of olive oil wastewaters. <i>Journal of Cleaner Production</i> , 2020, 252, 119773.	9.3	20
118	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
119	Airborne microplastics and fibers in indoor residential environments in Aveiro, Portugal. <i>Environmental Advances</i> , 2021, 6, 100134.	4.8	20
120	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
121	On the viability of five probiotic strains when immobilised on various polymers. <i>International Journal of Dairy Technology</i> , 2011, 64, 137-144.	2.8	19
122	Impact of organic nano-vesicles in soil: The case of sodium dodecyl sulphate/didodecyl dimethylammonium bromide. <i>Science of the Total Environment</i> , 2016, 547, 413-421.	8.0	19
123	Carbon nanotube field effect transistor biosensor for the detection of toxins in seawater. <i>International Journal of Environmental Analytical Chemistry</i> , 2017, 97, 597-605.	3.3	19
124	Performance of a tetramethylammonium fluoride tetrahydrate coated piezoelectric crystal for carbon dioxide detection. <i>Analytica Chimica Acta</i> , 1996, 335, 235-238.	5.4	18
125	Comparison of a gas chromatography-optical fibre (GC-OF) detector with a gas chromatography-flame ionization detector (GC-FID) for determination of alcoholic compounds in industrial atmospheres. <i>Talanta</i> , 2008, 76, 395-399.	5.5	18
126	The performance of <i>Fraxinus angustifolia</i> as a helper for metal phytoremediation programs and its relation to the endophytic bacterial communities. <i>Geoderma</i> , 2013, 202-203, 171-182.	5.1	18



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127	Effects of tertiary treatment by fungi on organic compounds in a kraft pulp mill effluent. <i>Environmental Science and Pollution Research</i> , 2010, 17, 866-874.	5.3	17
128	Optical fibre-based methodology for screening the effect of probiotic bacteria on conjugated linoleic acid (CLA) in curdled milk. <i>Food Chemistry</i> , 2011, 127, 222-227.	8.2	17
129	Disposable biosensor for detection of iron (III) in wines. <i>Talanta</i> , 2016, 154, 80-84.	5.5	17
130	Types, occurrence, and distribution of microplastics and metals contamination in sediments from south west of Kerkennah archipelago, Tunisia. <i>Environmental Science and Pollution Research</i> , 2021, 28, 46477-46487.	5.3	17
131	Trends in alkanes and PAHs in airborne particulate matter from Oporto and Vienna: identification and comparison. <i>Science of the Total Environment</i> , 1999, 236, 231-236.	8.0	16
132	Polymeric nanofilm-coated optical fibre sensor for speciation of aromatic compounds. <i>International Journal of Environmental Analytical Chemistry</i> , 2009, 89, 183-197.	3.3	16
133	Microscale optical fibre sensor for BTEX monitoring in landfill leachate. <i>Analytical Methods</i> , 2009, 1, 100.	2.7	16
134	Removal of the organic content from a bleached kraft pulp mill effluent by a treatment with silica-alginate-fungi biocomposites. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2013, 48, 166-172.	1.7	16
135	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
136	Effects of dietary exposure to herbicide and of the nutritive quality of contaminated food on the reproductive output of <i>Daphnia magna</i> . <i>Aquatic Toxicology</i> , 2016, 179, 1-7.	4.0	16
137	Novel methodology for identification and quantification of microplastics in biological samples. <i>Environmental Pollution</i> , 2022, 292, 118466.	7.5	16
138	Evaluation of tertiary treatment by fungi, enzymatic and photo-Fenton oxidation on the removal of phenols from a kraft pulp mill effluent: a comparative study. <i>Biodegradation</i> , 2011, 22, 267-274.	3.0	14
139	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
140	Photocatalytic Treatment of Olive Oil Mill Wastewater Using TiO <sub>2</sub> and Fe <sub>2</sub> O <sub>3</sub> Nanomaterials. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	2.4	14
141	Sampling and characterization of nanoaerosols in different environments. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 554-567.	11.4	12
142	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
143	How low can you go? A current perspective on low-abundance proteomics. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 93, 171-182.	11.4	12
144	Salinity induced effects on the growth rates and mycelia composition of basidiomycete and zygomycete fungi. <i>Environmental Pollution</i> , 2017, 231, 1633-1641.	7.5	12

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145	Organic contaminants in marine sediments and seawater: A review for drawing environmental diagnostics and searching for informative predictors. <i>Science of the Total Environment</i> , 2022, 808, 152012.	8.0	12
146	Unveiling Biological Activities of Marine Fungi: The Effect of Sea Salt. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6008.	2.5	11
147	The road to sustainable use and waste management of plastics in Portugal. <i>Frontiers of Environmental Science and Engineering</i> , 2022, 16, 5.	6.0	11
148	Application of Chemometrics to the Identification of Trends in Polynuclear Aromatic Hydrocarbons and Alkanes in Air Samples From Oporto. <i>Analyst, The</i> , 1997, 122, 1509-1515.	3.5	10
149	Effects of ECF-Kraft pulp mill effluent treated with fungi ( <i>Rhizopus oryzae</i> ) on reproductive steroids and liver CYP1A of exposed goldfish ( <i>Carassius auratus</i> ). <i>Ecotoxicology</i> , 2009, 18, 1011-1017.	2.4	10
150	Carbon nanotube field-effect transistor detector associated to gas chromatography for speciation of benzene, toluene, ethylbenzene, (o-, m- and p-)xylene. <i>Journal of Chromatography A</i> , 2009, 1216, 6517-6521.	3.7	10
151	Optical fiber analyzer for in situ determination of nitrous oxide in workplace environments. <i>Journal of Environmental Monitoring</i> , 2009, 11, 852.	2.1	10
152	Analytical strategies for characterization and validation of functional dairy foods. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 41, 27-45.	11.4	10
153	Echinoderms. <i>Studies in Natural Products Chemistry</i> , 2016, 49, 1-54.	1.8	10
154	Effect of probiotic co-cultures on physico-chemical and biochemical properties of small ruminants' fermented milk. <i>International Dairy Journal</i> , 2017, 72, 29-35.	3.0	10
155	Effects of cobalt oxide nanomaterial on plants and soil invertebrates at different levels of biological organization. <i>Journal of Soils and Sediments</i> , 2019, 19, 3018-3034.	3.0	10
156	Assessment of fatty acid as a differentiator of usages of urban soils. <i>Chemosphere</i> , 2010, 81, 968-975.	8.2	9
157	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
158	Treatment of a textile effluent by adsorption with cork granules and titanium dioxide nanomaterial. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2018, 53, 524-536.	1.7	9
159	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
160	A quartz crystal microbalance sensor for the determination of nitroaromatics in landfill gas. <i>Talanta</i> , 2000, 51, 1149-1153.	5.5	8
161	Gas chromatography - Optical fiber detector for assessment of fatty acids in urban soils. <i>Talanta</i> , 2011, 85, 222-229.	5.5	8
162	Introduction to the Analysis of Bioactive Compounds in Marine Samples. <i>Comprehensive Analytical Chemistry</i> , 2014, , 1-13.	1.3	8

#	ARTICLE	IF	CITATIONS
163	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
164	A gas chromatography quartz crystal microbalance for speciation of nitroaromatic compounds in landfill gas. <i>Talanta</i> , 2001, 54, 383-388.	5.5	7
165	Optical fiber based methodology for assessment of thiocyanate in seawater. <i>Journal of Environmental Monitoring</i> , 2011, 13, 1811.	2.1	7
166	Screening of single-walled carbon nanotubes by optical fiber sensing. <i>Talanta</i> , 2012, 89, 105-108.	5.5	7
167	Classical Methodologies for Preparation of Extracts and Fractions. <i>Comprehensive Analytical Chemistry</i> , 2014, 65, 35-57.	1.3	7
168	The Impact of Uranium Mine Contamination of Soils on Plant Litter Decomposition. <i>Archives of Environmental Contamination and Toxicology</i> , 2014, 67, 601-616.	4.1	7
169	Oxidation of benzoic acid from biomass burning in atmospheric waters. <i>Environmental Pollution</i> , 2019, 244, 693-704.	7.5	7
170	Sterols and fatty acid biomarkers as indicators of changes in soil microbial communities in a uranium mine area. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011, 46, 659-668.	1.7	6
171	A fluorescence-based optical fiber analyzer for catecholamine determination. <i>Analytical Methods</i> , 2012, 4, 2300.	2.7	6
172	Considerations when using microplates and Neubauer counting chamber in ecotoxicity tests on microplastics. <i>Marine Pollution Bulletin</i> , 2021, 170, 112615.	5.0	6
173	A gas chromatography-quartz crystal microbalance for speciation of sulfur compounds in landfill gas. <i>Journal of Environmental Monitoring</i> , 2000, 2, 277-279.	2.1	5
174	Gas Chromatography-Optical Fiber Detector for the Speciation of Aromatic Hydrocarbons in Confined Areas. <i>Analytical Sciences</i> , 2008, 24, 963-966.	1.6	5
175	Impact of a secondary treated bleached Kraft pulp mill effluent in both sexes of goldfish (<i>Carassius) Tj ETQq1 1 0.784314 rgBT /Ov Environmental Engineering, 2010, 45, 1858-1865.	1.7	5
176	An introduction to the concept of One Health. , 2022, , 1-31.		5
177	Modeling the analytical response of optical fiber sensors for aromatic compounds determination. <i>Talanta</i> , 2010, 82, 1403-1411.	5.5	4
178	Evaluation of the Sub-lethal Toxicity of Bleached Kraft Pulp Mill Effluent to <i>Carassius auratus</i> and <i>Dicentrarchus labrax</i> . <i>Water, Air, and Soil Pollution</i> , 2011, 217, 35-45.	2.4	3
179	Optical Fiber Bioanalyzer Based on Enzymatic Coating Matrix for Catecholamines and Their Metabolites Assessment in Patients With Down Syndrome. <i>IEEE Sensors Journal</i> , 2012, 12, 76-84.	4.7	3
180	Effects of geometry parameters of NTFET devices on the $I_{DS}$ measurements. <i>Solid-State Electronics</i> , 2013, 81, 32-34.	1.4	3

#	ARTICLE	IF	CITATIONS
181	Analytical Techniques for Discovery of Bioactive Compounds from Marine Fungi. , 2017, , 415-434.		3
182	Determination of Total Sulphur in Landfill Gases Using a Quartz Crystal Microbalance. International Journal of Environmental Analytical Chemistry, 1999, 75, 121-126.	3.3	2
183	Online Combination of Bioassays with Chemical and Structural Characterization for Detection of Bioactive Compounds. Comprehensive Analytical Chemistry, 2014, , 253-278.	1.3	2
184	Airborne Microplastics. , 2020, , 1-25.		2
185	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.	8.2	2
186	Analytical Techniques for Discovery of Bioactive Compounds from Marine Fungi. , 2016, , 1-20.		2
187	Airborne Microplastics. , 2022, , 177-201.		2
188	Optical fiber biosensor based on enzymatic coating matrix for catecholamines assessment in human urine. Proceedings of SPIE, 2010, , .	0.8	1
189	Nanomaterials in Lab-on-Chip Chromatography. , 2018, , 387-400.		1
190	Microplastic (MP) Pollution in Sidi Youssef Harbor of the Kerkennah Islands, Sfax (Tunisia). Environmental Science and Engineering, 2021, , 2083-2088.	0.2	1
191	Biosorption potential of the shell of <i>Corbicula fluminea</i> towards olive oil mill waste. International Journal of Environmental Science and Technology, 2022, 19, 5689-5696.	3.5	1
192	Comparison of two methods for the optimization of the analytical conditions for the determination of total sulfur. Talanta, 1999, 49, 207-213.	5.5	0
193	Effect of NaCl on the growth and proline content of micropropagated <i>Ceratonia siliqua</i> L. plantlets. New Biotechnology, 2009, 25, S312.	4.4	0
194	Optical fiber micro-analyzer for real-time monitoring of trimethylamine. , 2010, , .		0
195	How nanomaterials will interfere with the toxicity of copper?. Toxicology Letters, 2014, 229, S202.	0.8	0
196	Ecotoxicological Evaluation Of Titanium Silicon Oxide Nanoparticules With Terrestrial Species. Toxicology Letters, 2014, 229, S201.	0.8	0
197	Biotechnological Production of Conjugated Fatty Acids With Biological Properties. , 2017, , 127-178.		0
198	Development of Electrochemical Immunosensors for Endocrine Disrupting Detection. Advances in Science, Technology and Innovation, 2018, , 305-306.	0.4	0

#	ARTICLE	IF	CITATIONS
199	Derivation of Terrestrial Predicted No-Effect Concentration (PNEC) for Cobalt Oxide Nanomaterial. Advances in Science, Technology and Innovation, 2018, , 405-407.	0.4	0
200	Enzyme Assays . , 2018, , 271-271.		0
201	Nanomaterials and Microplastics. , 2018, , 117-117.		0
202	Ecotoxicity and Toxicity of Nanomaterials with Potential for Wastewater Treatment Applications. , 2017, , 1182-1216.		0
203	CAN PHD PROGRAMS FROM DIFFERENT AREAS BE COMPARED USING BIBLIOMETRIC DATA?. , 2018, , .		0
204	Ecotoxicity and Toxicity of Nanomaterials with Potential for Wastewater Treatment Applications. Advances in Environmental Engineering and Green Technologies Book Series, 0, , 294-329.	0.4	0
205	VIRTUAL SPECIAL ISSUE "MICROPLASTICS 2022" Journal of Hazardous Materials, 2022, 434, 128838.	12.4	0