

João P Da Costa

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

7,637
citations

109321

35
h-index

76900

74
g-index

84
all docs

84
docs citations

84
times ranked

7108
citing authors

#	ARTICLE	IF	CITATIONS
1	Biosorption potential of the shell of <i>Corbicula fluminea</i> towards olive oil mill waste. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 5689-5696.	3.5	1
2	Methods for the extraction of microplastics in complex solid, water and biota samples. <i>Trends in Environmental Analytical Chemistry</i> , 2022, 33, e00151.	10.3	21
3	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
4	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
5	A straightforward method for microplastic extraction from organic-rich freshwater samples. <i>Science of the Total Environment</i> , 2022, 815, 152941.	8.0	21
6	Introduction to the Analytical Methodologies for the Analysis of Microplastics. , 2022, , 3-32.		1
7	Collection and Separation of Microplastics. , 2022, , 33-56.		0
8	Airborne Microplastics. , 2022, , 177-201.		2
9	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
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.	8.2	2
11	Microfluidics for Peptidomics, Proteomics, and Cell Analysis. <i>Nanomaterials</i> , 2021, 11, 1118.	4.1	30
12	Microplastics on Barra beach sediments in Aveiro, Portugal. <i>Marine Pollution Bulletin</i> , 2021, 167, 112264.	5.0	24
13	The 2019 global pandemic and plastic pollution prevention measures: Playing catch-up. <i>Science of the Total Environment</i> , 2021, 774, 145806.	8.0	42
14	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
15	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
16	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
17	Preparation of biological samples for microplastic identification by Nile Red. <i>Science of the Total Environment</i> , 2021, 783, 147065.	8.0	36
18	Considerations when using microplates and Neubauer counting chamber in ecotoxicity tests on microplastics. <i>Marine Pollution Bulletin</i> , 2021, 170, 112615.	5.0	6

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19	COVID-19: Implications for plastic reduction, with a focus on Personal Protective Equipment (PPE). Journal of Hazardous Materials Advances, 2021, 4, 100022.	3.0	1
20	Environmental exposure to microplastics: An overview on possible human health effects. Science of the Total Environment, 2020, 702, 134455.	8.0	1,101
21	Potential of the bivalve <i>Corbicula fluminea</i> for the remediation of olive oil wastewaters. Journal of Cleaner Production, 2020, 252, 119773.	9.3	20
22	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.	8.0	63
23	An easy method for processing and identification of natural and synthetic microfibers and microplastics in indoor and outdoor air. MethodsX, 2020, 7, 100762.	1.6	68
24	Airborne Microplastics. , 2020, , 1-25.		2
25	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.	5.0	88
26	The Role of Legislation, Regulatory Initiatives and Guidelines on the Control of Plastic Pollution. Frontiers in Environmental Science, 2020, 8, .	3.3	84
27	Introduction to the Analytical Methodologies for the Analysis of Microplastics. , 2020, , 1-31.		1
28	Identification of microplastics in white wines capped with polyethylene stoppers using micro-Raman spectroscopy. Food Chemistry, 2020, 331, 127323.	8.2	95
29	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.	8.0	59
30	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.	2.7	20
31	Environmental status of (micro)plastics contamination in Portugal. Ecotoxicology and Environmental Safety, 2020, 200, 110753.	6.0	32
32	Worldwide contamination of fish with microplastics: A brief global overview. Marine Pollution Bulletin, 2020, 160, 111681.	5.0	77
33	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.	8.0	149
34	Solutions and Integrated Strategies for the Control and Mitigation of Plastic and Microplastic Pollution. International Journal of Environmental Research and Public Health, 2019, 16, 2411.	2.6	258
35	White bean (<i>Phaseolus vulgaris</i> L.) as a sorbent for the removal of zinc from rainwater. Water Research, 2019, 162, 170-179.	11.3	9
36	Identifying a quick and efficient method of removing organic matter without damaging microplastic samples. Science of the Total Environment, 2019, 686, 131-139.	8.0	182

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37	Microplastic pollution in the sediments of Sidi Mansour Harbor in Southeast Tunisia. <i>Marine Pollution Bulletin</i> , 2019, 146, 92-99.	5.0	48
38	<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
39	Effects of microplastics on microalgae populations: A critical review. <i>Science of the Total Environment</i> , 2019, 665, 400-405.	8.0	288
40	Micro(nano)plastics – Analytical challenges towards risk evaluation. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 111, 173-184.	11.4	79
41	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
42	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
43	Microplastics in soils: assessment, analytics and risks. <i>Environmental Chemistry</i> , 2019, 16, 18.	1.5	97
44	Plásticos no ambiente. <i>Revista Recursos Hídricos</i> , 2019, 40, 11-18.	0.1	2
45	Microplastics in the environment: Challenges in analytical chemistry - A review. <i>Analytica Chimica Acta</i> , 2018, 1017, 1-19.	5.4	546
46	Graphene immunosensors for okadaic acid detection in seawater. <i>Microchemical Journal</i> , 2018, 138, 465-471.	4.5	23
47	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
48	Micro- and nanoplastics in the environment: Research and policymaking. <i>Current Opinion in Environmental Science and Health</i> , 2018, 1, 12-16.	4.1	63
49	“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
50	Human Antimicrobial Peptides in Bodily Fluids: Current Knowledge and Therapeutic Perspectives in the Postantibiotic Era. <i>Medicinal Research Reviews</i> , 2018, 38, 101-146.	10.5	42
51	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
52	Integrated Optical Mach-Zehnder Interferometer Based on Organic-Inorganic Hybrids for Photonics-on-a-Chip Biosensing Applications. <i>Sensors</i> , 2018, 18, 840.	3.8	24
53	Nanomaterials and Microplastics. , 2018, , 117-117.		0
54	Nanoplastics in the Environment. <i>Issues in Environmental Science and Technology</i> , 2018, , 82-105.	0.4	4

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55	The Effects Of Micro- And Nanoplastics Are Not Yet Fully Understood. , 2018, , .		0
56	A current look at nutraceuticals “ Key concepts and future prospects. Trends in Food Science and Technology, 2017, 62, 68-78.	15.1	66
57	Biodegradation of polyethylene microplastics by the marine fungus Zalerion maritimum. Science of the Total Environment, 2017, 586, 10-15.	8.0	421
58	How low can you go? A current perspective on low-abundance proteomics. TrAC - Trends in Analytical Chemistry, 2017, 93, 171-182.	11.4	12
59	Carbon nanotube field effect transistor biosensor for the detection of toxins in seawater. International Journal of Environmental Analytical Chemistry, 2017, 97, 597-605.	3.3	19
60	Salinity induced effects on the growth rates and mycelia composition of basidiomycete and zygomycete fungi. Environmental Pollution, 2017, 231, 1633-1641.	7.5	12
61	Histopathological and molecular effects of microplastics in Eisenia andrei Bouché. Environmental Pollution, 2017, 220, 495-503.	7.5	412
62	Chemical and structural characterization of Pholiota nameko extracts with biological properties. Food Chemistry, 2017, 216, 176-185.	8.2	27
63	A glimpse into the modulation of post-translational modifications of human-colonizing bacteria. Journal of Proteomics, 2017, 152, 254-275.	2.4	18
64	Microplastics “ Occurrence, Fate and Behaviour in the Environment. Comprehensive Analytical Chemistry, 2017, , 1-24.	1.3	67
65	Development of an electrochemical biosensor for alkylphenol detection. Talanta, 2016, 158, 30-34.	5.5	28
66	(Nano)plastics in the environment “ Sources, fates and effects. Science of the Total Environment, 2016, 566-567, 15-26.	8.0	725
67	Biological synthesis of nanosized sulfide semiconductors: current status and future prospects. Applied Microbiology and Biotechnology, 2016, 100, 8283-8302.	3.6	21
68	A synopsis on aging “ Theories, mechanisms and future prospects. Ageing Research Reviews, 2016, 29, 90-112.	10.9	277
69	Analytical tools to assess aging in humans: The rise of geri-omics. TrAC - Trends in Analytical Chemistry, 2016, 80, 204-212.	11.4	8
70	Disposable biosensor for detection of iron (III) in wines. Talanta, 2016, 154, 80-84.	5.5	17
71	Salivary peptidomic as a tool to disclose new potential antimicrobial peptides. Journal of Proteomics, 2015, 115, 49-57.	2.4	26
72	Antimicrobial peptides: an alternative for innovative medicines?. Applied Microbiology and Biotechnology, 2015, 99, 2023-2040.	3.6	155

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73	Anti-tumoral activity of human salivary peptides. <i>Peptides</i> , 2015, 71, 170-178.	2.4	10
74	Proteome signatures—how are they obtained and what do they teach us?. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 7417-7431.	3.6	15
75	Biotechnologically obtained nanocomposites: A practical application for photodegradation of Safranin-T under UV-Vis and solar light. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2015, 50, 996-1010.	1.7	8
76	Magnetic chelating nanoprobcs for enrichment and selective recovery of metalloproteases from human saliva. <i>Journal of Materials Chemistry B</i> , 2015, 3, 238-249.	5.8	42
77	Bionanoconjugation for Proteomics applications — An overview. <i>Biotechnology Advances</i> , 2014, 32, 952-970.	11.7	19
78	Green synthesis of covellite nanocrystals using biologically generated sulfide: Potential for bioremediation systems. <i>Journal of Environmental Management</i> , 2013, 128, 226-232.	7.8	20
79	Synthesis of nanocrystalline ZnS using biologically generated sulfide. <i>Hydrometallurgy</i> , 2012, 117-118, 57-63.	4.3	29
80	Identification of 1-palmitoyl-2-oleoyl-phosphatidylethanolamine modifications under oxidative stress conditions by LC-MS/MS. <i>Biomedical Chromatography</i> , 2009, 23, 588-601.	1.7	35