# Ana M M GonÃ§alves

List of Publications by Year
in descending order



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|---|---|---|---|
| 82 papers | 3,964 citations | 185998 28 h-index | 128067 60 g-index |
| 86 all docs | 86 docs citations | 86 times ranked | 4178 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Spatial and temporal distribution of microplastics in water and sediments of a freshwater system (AntuÃ£ River, Portugal). Science of the Total Environment, 2018, 633, 1549-1559. | 3.9 | 560 |
| 2 | Seaweed Phenolics: From Extraction to Applications. Marine Drugs, 2020, 18, 384. | 2.2 | 234 |
| 3 | Designing ionic liquids: the chemical structure role in the toxicity. Ecotoxicology, 2013, 22, 1-12. | 1.1 | 230 |
| 4 | Toxicity evaluation of three pesticides on non-target aquatic and soil organisms: commercial formulation versus active ingredient. Ecotoxicology, 2009, 18, 455-463. | 1.1 | 211 |
| 5 | Ecotoxicity analysis of cholinium-based ionic liquids to Vibrio fischeri marine bacteria. Ecotoxicology and Environmental Safety, 2014, 102, 48-54. | 2.9 | 185 |
| 6 | Diverse Applications of Marine Macroalgae. Marine Drugs, 2020, 18, 17. | 2.2 | 174 |
| 7 | Impacts of plastic products used in daily life on the environment and human health: What is known?. Environmental Toxicology and Pharmacology, 2019, 72, 103239. | 2.0 | 141 |
| 8 | The Evolution Road of Seaweed Aquaculture: Cultivation Technologies and the Industry 4.0. International Journal of Environmental Research and Public Health, 2020, 17, 6528. | 1.2 | 124 |
| 9 | Assessing the toxicity on [C3mim][Tf2N] to aquatic organisms of different trophic levels. Aquatic Toxicology, 2010, 96, 290-297. | 1.9 | 122 |
| 10 | Fatty acid profiling as bioindicator of chemical stress in marine organisms: A review. Ecological Indicators, 2016, 67, 657-672. | 2.6 | 118 |
| 11 | Environmental safety of cholinium-based ionic liquids: assessing structureâ€“ecotoxicity relationships. Green Chemistry, 2015, 17, 4657-4668. | 4.6 | 115 |
| 12 | A Comprehensive Review of the Nutraceutical and Therapeutic Applications of Red Seaweeds (Rhodophyta). Life, 2020, 10, 19. | 1.1 | 113 |
| 13 | Seaweedâ€™s Bioactive Candidate Compounds to Food Industry and Global Food Security. Life, 2020, 10, 140. | 1.1 | 97 |
| 14 | Salinity effects on survival and life history of two freshwater cladocerans (Daphnia magna and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22 | 0.6 | 89 |
| 15 | Sustainable design for environment-friendly mono and dicationic cholinium-based ionic liquids. Ecotoxicology and Environmental Safety, 2014, 108, 302-310. | 2.9 | 83 |
| 16 | Effectiveness of a methodology of microplastics isolation for environmental monitoring in freshwater systems. Ecological Indicators, 2018, 89, 488-495. | 2.6 | 78 |
| 17 | An Overview to the Health Benefits of Seaweeds Consumption. Marine Drugs, 2021, 19, 341. | 2.2 | 65 |
| 18 | Fatty acid profiling reveals seasonal and spatial shifts in zooplankton diet in a temperate estuary. Estuarine, Coastal and Shelf Science, 2012, 109, 70-80. | 0.9 | 64 |

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|---|---|---|---|
| 19 | Unraveling the ecotoxicity of deep eutectic solvents using the mixture toxicity theory. Chemosphere, 2018, 212, 890-897. | 4.2 | 62 |
| 20 | An Overview of Potential Seaweed-Derived Bioactive Compounds for Pharmaceutical Applications. Marine Drugs, 2022, 20, 141. | 2.2 | 62 |
| 21 | Fatty acidsâ€™ profiles as indicators of stress induced by of a common herbicide on two marine bivalves species: Cerastoderma edule (Linnaeus, 1758) and Scrobicularia plana (da Costa, 1778). Ecological Indicators, 2016, 63, 209-218. | 2.6 | 61 |
| 22 | The key role of zooplankton in ecosystem services: A perspective of interaction between zooplankton and fish recruitment. Ecological Indicators, 2021, 129, 107867. | 2.6 | 61 |
| 23 | Biochemical and populational responses of an aquatic bioindicator species, Daphnia longispina, to a commercial formulation of a herbicide (PrimextraÂ® Gold TZ) and its active ingredient (S-metolachlor). Ecological Indicators, 2015, 53, 220-230. | 2.6 | 54 |
| 24 | Biochemical and toxicological effects of organic (herbicide PrimextraÂ® Gold TZ) and inorganic (copper) compounds on zooplankton and phytoplankton species. Aquatic Toxicology, 2016, 177, 33-43. | 1.9 | 51 |
| 25 | Improving cost-efficiency for MPs density separation by zinc chloride reuse. MethodsX, 2020, 7, 100785. | 0.7 | 44 |
| 26 | Seaweeds as Valuable Sources of Essential Fatty Acids for Human Nutrition. International Journal of Environmental Research and Public Health, 2021, 18, 4968. | 1.2 | 41 |
| 27 | Environmental Impact on Seaweed Phenolic Production and Activity: An Important Step for Compound Exploitation. Marine Drugs, 2021, 19, 245. | 2.2 | 39 |
| 28 | An Overview of the Alternative Use of Seaweeds to Produce Safe and Sustainable Bio-Packaging. Applied Sciences (Switzerland), 2022, 12, 3123. | 1.3 | 37 |
| 29 | The antagonist and synergist potential of cholinium-based deep eutectic solvents. Ecotoxicology and Environmental Safety, 2018, 165, 597-602. | 2.9 | 35 |
| 30 | The biochemical response of two commercial bivalve species to exposure to strong salinity changes illustrated by selected biomarkers. Ecological Indicators, 2017, 77, 59-66. | 2.6 | 30 |
| 31 | The effectiveness of a biological treatment with Rhizopus oryzae and of a photo-Fenton oxidation in the mitigation of toxicity of a bleached kraft pulp mill effluent. Water Research, 2009, 43, 2471-2480. | 5.3 | 26 |
| 32 | Biomarkers based tools to assess environmental and chemical stressors in aquatic systems. Ecological Indicators, 2021, 122, 107207. | 2.6 | 26 |
| 33 | Fatty acids as suitable biomarkers to assess pesticide impacts in freshwater biological scales â€“ A review. Ecological Indicators, 2021, 122, 107299. | 2.6 | 26 |
| 34 | Copper sulphate impact on the antioxidant defence system of the marine bivalves Cerastoderma edule and Scrobicularia plana. Scientific Reports, 2019, 9, 16458. | 1.6 | 25 |
| 35 | A Global Overview of Aquaculture Food Production with a Focus on the Activityâ€™s Development in Transitional Systemsâ€”The Case Study of a South European Country (Portugal). Journal of Marine Science and Engineering, 2022, 10, 417. | 1.2 | 24 |
| 36 | Enzymes as useful biomarkers to assess the response of freshwater communities to pesticide exposure â€“ A review. Ecological Indicators, 2021, 122, 107303. | 2.6 | 23 |

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|---|---|---|---|
| 37 | Impacts of low concentrations of nanoplastics on leaf litter decomposition and food quality for detritivores in streams. Journal of Hazardous Materials, 2022, 429, 128320. | 6.5 | 22 |
| 38 | Seaweedsâ€™ pigments and phenolic compounds with antimicrobial potential. Biomolecular Concepts, 2022, 13, 89-102. | 1.0 | 22 |
| 39 | Fatty acids profiles modifications in the bivalves Cerastoderma edule and Scrobicularia plana in response to copper sulphate. Ecological Indicators, 2018, 85, 318-328. | 2.6 | 21 |
| 40 | Functional diversity of zooplankton communities in two tropical estuaries (NE Brazil) with different degrees of human-induced disturbance. Marine Environmental Research, 2017, 129, 46-56. | 1.1 | 20 |
| 41 | Antiviral Activity and Mechanisms of Seaweeds Bioactive Compounds on Enveloped Virusesâ€”A Review. Marine Drugs, 2022, 20, 385. | 2.2 | 19 |
| 42 | Differential inter- and intra-specific responses of Aphanizomenon strains to nutrient limitation and algal growth inhibition. Journal of Plankton Research, 2011, 33, 1606-1616. | 0.8 | 17 |
| 43 | Acute and chronic toxicity of BetanalÂ®Expert and its active ingredients on nontarget aquatic organisms from different trophic levels. Environmental Toxicology, 2012, 27, 537-548. | 2.1 | 17 |
| 44 | Ecotoxicological and biochemical mixture effects of an herbicide and a metal at the marine primary producer diatom Thalassiosira weissflogii and the primary consumer copepod Acartia tonsa. Environmental Science and Pollution Research, 2018, 25, 22180-22195. | 2.7 | 17 |
| 45 | A pharmacodynamic analysis of factors affecting recovery from anesthesia with propofol-remifentanil target controlled infusion. Acta Pharmacologica Sinica, 2012, 33, 1080-1084. | 2.8 | 15 |
| 46 | Assessment of metal exposure (uranium and copper) by the response of a set of integrated biomarkers in a stream shredder. Ecological Indicators, 2018, 95, 991-1000. | 2.6 | 15 |
| 47 | Calliblepharis jubata Cultivation Potentialâ€”A Comparative Study between Controlled and Semi-Controlled Aquaculture. Applied Sciences (Switzerland), 2020, 10, 7553. | 1.3 | 15 |
| 48 | Seasonal and spatial shifts in copepod diets within tropical estuaries measured by fatty acid profiles. Ecological Indicators, 2016, 69, 284-294. | 2.6 | 13 |
| 49 | Seaweeds as a Fermentation Substrate: A Challenge for the Food Processing Industry. Processes, 2021, 9, 1953. | 1.3 | 13 |
| 50 | Spatial and temporal distribution of harpacticoid copepods in Mondego estuary. Journal of the Marine Biological Association of the United Kingdom, 2010, 90, 1279-1290. | 0.4 | 12 |
| 51 | Impacts of S-metolachlor and terbuthylazine in fatty acid and carbohydrate composition of the benthic clam Scrobicularia plana. Ecotoxicology and Environmental Safety, 2019, 173, 293-304. | 2.9 | 12 |
| 52 | Seaweedsâ€™ nutraceutical and biomedical potential in cancer therapy: a concise review. Journal of Cancer Metastasis and Treatment, 0, 2021, . | 0.5 | 12 |
| 53 | Ecotoxicological effects of MikadoÂ® and ViperÂ® on algae and daphnids. Environmental Toxicology, 2012, 27, 685-699. | 2.1 | 11 |
| 54 | MODELPlastics workshop - Modelling Ocean Plastic Litter in a Changing Climate: Gaps and future directions. Marine Pollution Bulletin, 2019, 146, 22-25. | 2.3 | 11 |

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|---|---|---|---|
| 55 | Seaweed-Based Products and Mushroom Î²-Glucan as Tomato Plant Immunological Inducers. Vaccines, 2020, 8, 524. | 2.1 | 11 |
| 56 | Seasonal variation in habitat use, daily routines and interactions with humans by urban-dwelling gulls. Urban Ecosystems, 2021, 24, 1101-1115. | 1.1 | 11 |
| 57 | The importance of marine resources in the diet of urban gulls. Marine Ecology - Progress Series, 2021, 660, 189-201. | 0.9 | 11 |
| 58 | Effects of Heat Treatment Processes: Health Benefits and Risks to the Consumer. Applied Sciences (Switzerland), 2021, 11, 8740. | 1.3 | 11 |
| 59 | Diel vertical behavior of Copepoda community (naupliar, copepodites and adults) at the boundary of a temperate estuary and coastal waters. Estuarine, Coastal and Shelf Science, 2012, 98, 16-30. | 0.9 | 10 |
| 60 | Biomarkersâ€™ responses of the benthic clam Scrobicularia plana to the main active ingredients (S-metolachlor and Terbuthylazine) of a common herbicide. Ecological Indicators, 2019, 96, 611-619. | 2.6 | 10 |
| 61 | Marine macroalgae as a feasible and complete resource to address and promote Sustainable Development Goals (SDGs). Integrated Environmental Assessment and Management, 2022, 18, 1148-1161. | 1.6 | 10 |
| 62 | Biochemical Effects of Two Pesticides in Three Different Temperature Scenarios on the Diatom Thalassiosira weissflogii. Processes, 2021, 9, 1247. | 1.3 | 9 |
| 63 | Fucoidan - a valuable source from the ocean to pharmaceutical. Frontiers in Drug Chemistry and Clinical Research, 2020, 3, . | 0.6 | 9 |
| 64 | Effects of a herbicide and copper mixture on the quality of marine plankton. Ecotoxicology and Environmental Safety, 2018, 156, 9-17. | 2.9 | 8 |
| 65 | Call the Eckols: Present and Future Potential Cancer Therapies. Marine Drugs, 2022, 20, 387. | 2.2 | 8 |
| 66 | A Comparative Study of the Fatty Acids and Monosaccharides of Wild and Cultivated Ulva sp.. Journal of Marine Science and Engineering, 2022, 10, 233. | 1.2 | 7 |
| 67 | Brain as a target organ of climate events: Environmental induced biochemical changes in three marine fish species. Ecological Indicators, 2018, 95, 815-824. | 2.6 | 5 |
| 68 | Portuguese Kelps: Feedstock Assessment for the Food Industry. Applied Sciences (Switzerland), 2021, 11, 10681. | 1.3 | 5 |
| 69 | Assessment of metal exposure (uranium and copper) in fatty acids and carbohydrate profiles of Calamoceras marsupus larvae (Trichoptera) and Alnus glutinosa leaf litter. Science of the Total Environment, 2022, 836, 155613. | 3.9 | 5 |
| 70 | Fatty acids composition in yellow-legged (Larus michahellis) and lesser black-backed (Larus fuscus) gulls from natural and urban habitats in relation to the ingestion of anthropogenic materials. Science of the Total Environment, 2021, 809, 151093. | 3.9 | 4 |
| 71 | Seaweed-Based Polymers from Sustainable Aquaculture to â€œGreenerâ€•Plastic Products. , 2022, , 591-602. | | 4 |
| 72 | Biochemical impacts in adult and juvenile farmed European seabass and gilthead seabream from semi-intensive aquaculture of southern European estuarine systems. Environmental Science and Pollution Research, 2019, 26, 13422-13440. | 2.7 | 2 |

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|---|---|---|---|
| 73 | Assessment of seasonal and spatial variations in the nutritional content of six edible marine bivalve species by the response of a set of integrated biomarkers. Ecological Indicators, 2021, 124, 107378. | 2.6 | 2 |
| 74 | How to enhance the hydrophobic nature of ionic liquids while lowering their toxicity?. Toxicology Letters, 2011, 205, S124. | 0.4 | 1 |
| 75 | Seaweeds Used in Wastewater Treatment: Steps to Industrial Commercialization. , 2021, , 247-262. | | 1 |
| 76 | Sustainable Premium Ready Meals for a Daily Nutritional Diet: Human Population Growing Demand. Encyclopedia of the UN Sustainable Development Goals, 2020, , 1-11. | 0.0 | 1 |
| 77 | Sustainable and Biodegradable Active Films Based on Seaweed Compounds to Improve Shelf Life of Food Products. , 2022, , 235-252. | | 1 |
| 78 | Seaweed as Food: How to Guarantee Their Quality?. , 2022, , 309-321. | | 1 |
| 79 | A Road to the Sustainable Seaweed Aquaculture. , 2022, , 63-73. | | 1 |
| 80 | Microplastics in freshwater systems: The current status to achieve the sustainable development goals until 2030. Integrated Environmental Assessment and Management, 2022, 18, 289-291. | 1.6 | 1 |
| 81 | Biochemical Composition of Six Native Seaweeds from Buarcos Bay, Central West Coast of Portugal. , 2021, , 227-236. | | 0 |
| 82 | Red Seaweeds: Their Use in Formulation of Nutraceutical Food Products. , 2022, , 253-265. | | 0 |