

# Maria Do Carmo Barreto

## List of Publications by Year in descending order

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40  
papers

701  
citations

430874

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times ranked

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#	ARTICLE	IF	CITATIONS
1	GC- and UHPLC-MS Profiles as a Tool to Valorize the Red Alga <i>Asparagopsis armata</i> . <i>Applied Sciences</i> (Switzerland), 2022, 12, 892.	2.5	10
2	<i>Asparagopsis</i> Genus: What We Really Know About Its Biological Activities and Chemical Composition. <i>Molecules</i> , 2022, 27, 1787.	3.8	7
3	Bioaccumulation and potential ecotoxicological effects of trace metals along a management intensity gradient in volcanic pasturelands. <i>Chemosphere</i> , 2021, 273, 128601.	8.2	8
4	Xanthonenes for melanogenesis inhibition: Molecular docking and QSAR studies to understand their anti-tyrosinase activity. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 29, 115873.	3.0	18
5	Aqueous and Ethanollic Plant Extracts as Bio-Insecticides—Establishing a Bridge between Raw Scientific Data and Practical Reality. <i>Plants</i> , 2021, 10, 920.	3.5	24
6	Fatty acid composition, TLC screening, ATR-FTIR analysis, anti-cholinesterase activity, and in vitro cytotoxicity to A549 tumor cell line of extracts of 3 macroalgae collected in Madeira. <i>Journal of Applied Phycology</i> , 2020, 32, 759-771.	2.8	17
7	Constructing ethanol-derived bioactive extracts using the brown seaweed <i>Zonaria tournefortii</i> (J.V.Lamouroux) Montagne performed with Timatic extractor by means of response surface methodology (RSM). <i>Journal of Applied Phycology</i> , 2020, 32, 2321-2333.	2.8	3
8	Pharmacological and Cosmeceutical Potential of Seaweed Beach-Casts of Macaronesia. <i>Applied Sciences</i> (Switzerland), 2020, 10, 5831.	2.5	19
9	Efficacy, Stability, and Safety Evaluation of New Polyphenolic Xanthonenes Towards Identification of Bioactive Compounds to Fight Skin Photoaging. <i>Molecules</i> , 2020, 25, 2782.	3.8	8
10	Uncharted Source of Medicinal Products: The Case of the <i>Hedychium</i> Genus. <i>Medicines</i> (Basel,) 10, 19	1.4	19
11	A Green and Simple Protocol for Extraction and Application of a Peroxidase-Rich Enzymatic Extract. <i>Methods and Protocols</i> , 2020, 3, 25.	2.0	8
12	Biochemical study of attached macroalgae from the Madeira Archipelago and beach-cast macroalgae from the Canary Islands: multivariate analysis to determine bioresource potential. <i>Botanica Marina</i> , 2020, 63, 283-298.	1.2	14
13	Phytochemicals with Added Value from <i>Morella</i> and <i>Myrica</i> Species. <i>Molecules</i> , 2020, 25, 6052.	3.8	5
14	Chalcones and Flavanones Bearing Hydroxyl and/or Methoxyl Groups: Synthesis and Biological Assessments. <i>Applied Sciences</i> (Switzerland), 2019, 9, 2846.	2.5	25
15	Validation of a spectrophotometric methodology for a rapid iodine analysis in algae and seaweed casts. <i>Algal Research</i> , 2019, 42, 101613.	4.6	14
16	Evaluation of fucoxanthin contents in seaweed biomass by vortex-assisted solid-liquid microextraction using high-performance liquid chromatography with photodiode array detection. <i>Algal Research</i> , 2019, 42, 101603.	4.6	21
17	Pharmacological effects of <i>Fucus spiralis</i> extracts and phytochemicals: a comprehensive review. <i>Botanica Marina</i> , 2019, 62, 167-178.	1.2	9
18	Searching for Molecules against Cancer in the Azores: Plants, Macroalgae, and Synthetic Compounds. <i>Proceedings (mdpi)</i> , 2019, 22, .	0.2	0

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19	Comparative study by GC-MS and chemometrics on the chemical and nutritional profile of <i>Fucus spiralis</i> L. juvenile and mature life-cycle phases. <i>Journal of Applied Phycology</i> , 2018, 30, 2539-2548.	2.8	11
20	Biological endpoints in earthworms ( <i>Amyntas gracilis</i> ) as tools for the ecotoxicity assessment of soils from livestock production systems. <i>Ecological Indicators</i> , 2018, 95, 984-990.	6.3	9
21	Nutraceutical potential of <i>Asparagopsis taxiformis</i> (Delile) Trevisan extracts and assessment of a downstream purification strategy. <i>Heliyon</i> , 2018, 4, e00957.	3.2	21
22	Biochemical composition, nutritional value, and antioxidant properties of seven seaweed species from the Madeira Archipelago. <i>Journal of Applied Phycology</i> , 2017, 29, 2427-2437.	2.8	58
23	Chalcone: A Valuable Scaffold Upgrading by Green Methods. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 7467-7480.	6.7	31
24	Assessing microbial activities in metal contaminated agricultural volcanic soils – An integrative approach. <i>Ecotoxicology and Environmental Safety</i> , 2016, 129, 242-249.	6.0	41
25	Plasticity of crassulacean acid metabolism at subtropical latitudes: a pineapple case study. <i>Physiologia Plantarum</i> , 2016, 156, 29-39.	5.2	2
26	Recent Breakthroughs in the Antioxidant and Anti-Inflammatory Effects of <i>Morella</i> and <i>Myrica</i> Species. <i>International Journal of Molecular Sciences</i> , 2015, 16, 17160-17180.	4.1	18
27	Xanthenedione Derivatives, New Promising Antioxidant and Acetylcholinesterase Inhibitor Agents. <i>Molecules</i> , 2014, 19, 8317-8333.	3.8	20
28	Biological activities of plants traditionally used in Egyptian ethnopharmacology. <i>Planta Medica</i> , 2014, 80, .	1.3	0
29	Cytotoxic meroterpenoids from the macroalga <i>Cystoseira abies-marina</i> . <i>Phytochemistry Letters</i> , 2013, 6, 593-597.	1.2	22
30	Di- and Sesquiterpenoids from <i>Cystoseira</i> Genus: Structure, Intra-molecular Transformations and Biological Activity. <i>Mini-Reviews in Medicinal Chemistry</i> , 2013, 13, 1150-1159.	2.4	28
31	Anti-acetylcholinesterase and Antioxidant Activity of Essential Oils from <i>Hedychium gardnerianum</i> Sheppard ex Ker-Gawl. <i>Molecules</i> , 2012, 17, 3082-3092.	3.8	53
32	Tailoring the Microstructure of Sol-Gel Derived Hydroxyapatite/Zirconia Nanocrystalline Composites. <i>Nanoscale Research Letters</i> , 2011, 6, 20.	5.7	12
33	Allocation of nutrients during the reproductive cycle of <i>Ophidiaster ophidianus</i> (Echinodermata:). <i>Tj ETQq1 1 0.784314 rgBT /Qverlock 10</i>		
34	A new natural spiro heterocyclic compound and the cytotoxic activity of the secondary metabolites from <i>Juniperus brevifolia</i> leaves. <i>FÄ-toterapÄ-Äç</i> , 2011, 82, 225-229.	2.2	21
35	Biological activity of essential oils from seven Azorean plants against <i>Pseudaletia unipuncta</i> (Lepidoptera: Noctuidae). <i>Journal of Applied Entomology</i> , 2010, 134, 346-354.	1.8	23
36	Cytotoxic Activity of Diterpenes and Extracts of <i>Juniperus brevifolia</i> . <i>Planta Medica</i> , 2008, 74, 751-753.	1.3	19

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37	Biological activity of <i>Gunnera tinctoria</i> , an invasive plant in the island of S. Miguel (Azores). <i>Planta Medica</i> , 2006, 72, .	1.3	0
38	Lipid Extraction and Cholesterol Quantification: A Simple Protocol. <i>Journal of Chemical Education</i> , 2005, 82, 103.	2.3	10
39	Inhibition of mouse liver respiration by <i>Chelidonium majus</i> isoquinoline alkaloids. <i>Toxicology Letters</i> , 2003, 146, 37-47.	0.8	53
40	Diagnosis of enzyme inhibition based on the degree of inhibition. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2003, 1624, 11-20.	2.4	13