LuÃ-sa Barreira

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4348280/publications.pdf

Version: 2024-02-01

92	3,918	101543	133252
papers	citations	36 h-index	59 g-index

95	95	95	5291
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microalgae as Potential Sources of Bioactive Compounds for Functional Foods and Pharmaceuticals. Applied Sciences (Switzerland), 2022, 12, 5877.	2.5	17
2	Protein Sources Alternative to Meat: State of the Art and Involvement of Fermentation. Foods, 2022, 11, 2065.	4.3	25
3	Microalgae as source of edible lipids. , 2021, , 147-175.		0
4	On the Development of Selective Chelators for Cadmium: Synthesis, Structure and Chelating Properties of 3-((5-(trifluoromethyl)-1,3,4-thiadiazol-2-yl)amino)benzo[d]isothiazole 1,1-dioxide, a Novel Thiadiazolyl Saccharinate. Molecules, 2021, 26, 1501.	3.8	4
5	Nutritional and Functional Evaluation of Inula crithmoides and Mesembryanthemum nodiflorum Grown in Different Salinities for Human Consumption. Molecules, 2021, 26, 4543.	3.8	9
6	Carotenoid biosynthetic gene expression, pigment and n-3 fatty acid contents in carotenoid-rich Tetraselmis striata CTP4 strains under heat stress combined with high light. Bioresource Technology, 2021, 337, 125385.	9.6	21
7	Microalgal Systems for Wastewater Treatment: Technological Trends and Challenges towards Waste Recovery. Energies, 2021, 14, 8112.	3.1	21
8	Lipid composition and some bioactivities of 3 newly isolated microalgae (Tetraselmis sp. IMP3,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46	2.2	31
9	Improvement of carotenoid extraction from a recently isolated, robust microalga, Tetraselmis sp. CTP4 (chlorophyta). Bioprocess and Biosystems Engineering, 2020, 43, 785-796.	3.4	33
10	Improved production of lutein and Î²-carotene by thermal and light intensity upshifts in the marine microalga Tetraselmis sp. CTP4. Algal Research, 2020, 45, 101732.	4.6	55
11	Wild vs cultivated halophytes: Nutritional and functional differences. Food Chemistry, 2020, 333, 127536.	8.2	43
12	Anti-Hepatocellular Carcinoma (HepG2) Activities of Monoterpene Hydroxy Lactones Isolated from the Marine Microalga Tisochrysis Lutea. Marine Drugs, 2020, 18, 567.	4.6	17
13	Influence of cultivation salinity in the nutritional composition, antioxidant capacity and microbial quality of Salicornia ramosissima commercially produced in soilless systems. Food Chemistry, 2020, 333, 127525.	8.2	48
14	Antioxidant, Antimicrobial, and Bioactive Potential of Two New Haloarchaeal Strains Isolated from Odiel Salterns (Southwest Spain). Biology, 2020, 9, 298.	2.8	24
15	Incorporation of defatted microalgal biomass (Tetraselmis sp. CTP4) at the expense of soybean meal as a feed ingredient for juvenile gilthead seabream (Sparus aurata). Algal Research, 2020, 47, 101869.	4.6	29
16	Nutritional Potential and Toxicological Evaluation of Tetraselmis sp. CTP4 Microalgal Biomass Produced in Industrial Photobioreactors. Molecules, 2019, 24, 3192.	3.8	57
17	Growth performance, biochemical composition and sedimentation velocity of Tetraselmis sp. CTP4 under different salinities using low-cost lab- and pilot-scale systems. Heliyon, 2019, 5, e01553.	3.2	25
18	Report of in vitro antileishmanial properties of Iberian macroalgae. Natural Product Research, 2019, 33, 1778-1782.	1.8	5

#	Article	IF	Citations
19	A comparative study of the in vitro enzyme inhibitory and antioxidant activities of Butea monosperma (Lam.) Taub. and Sesbania grandiflora (L.) Poiret from Pakistan: New sources of natural products for public health problems. South African Journal of Botany, 2019, 120, 146-156.	2.5	16
20	Coupling sea lavender (Limonium algarvense Erben) and green tea (Camellia sinensis (L.) Kuntze) to produce an innovative herbal beverage with enhanced enzymatic inhibitory properties. South African Journal of Botany, 2019, 120, 87-94.	2.5	19
21	In vitro and in silico approaches to unveil the mechanisms underlying the cytotoxic effect of juncunol on human hepatocarcinoma cells. Pharmacological Reports, 2018, 70, 896-899.	3.3	4
22	Synthesis, Structure, and Cytotoxicity of a New Sulphanylâ€Bridged Thiadiazolylâ€Saccharinate Conjugate: The Relevance of Sâ‹…â‹…â‹…N Interaction. Chemistry - A European Journal, 2018, 24, 3251-3262.	3.3	9
23	Fluorescence activated cell-sorting principles and applications in microalgal biotechnology. Algal Research, 2018, 30, 113-120.	4.6	54
24	Scale-up and large-scale production of Tetraselmis sp. CTP4 (Chlorophyta) for CO2 mitigation: from an agar plate to 100-m3 industrial photobioreactors. Scientific Reports, 2018, 8, 5112.	3.3	57
25	Health promoting potential of herbal teas and tinctures from Artemisia campestris subsp. maritima: from traditional remedies to prospective products. Scientific Reports, 2018, 8, 4689.	3.3	31
26	First report of the in vitro antileishmanial properties of extremophile plants from the Algarve Coast. Natural Product Research, 2018, 32, 600-604.	1.8	12
27	A first glance into the nutritional properties of the sea cucumber Parastichopus regalis from the Mediterranean Sea (SE Spain). Natural Product Research, 2018, 32, 116-120.	1.8	21
28	In vitro and in silico approaches to appraise Polygonum maritimum L. as a source of innovative products with anti-ageing potential. Industrial Crops and Products, 2018, 111, 391-399.	5.2	26
29	A new insight into the influence of habitat on the biochemical properties of three commercial sea cucumber species. International Aquatic Research, 2018, 10, 361-373.	1.5	18
30	Antileishmanial activity of meroditerpenoids from the macroalgae Cystoseira baccata. Experimental Parasitology, 2017, 174, 1-9.	1.2	35
31	Halophytes: Gourmet food with nutritional health benefits?. Journal of Food Composition and Analysis, 2017, 59, 35-42.	3.9	127
32	Searching for new sources of innovative products for the food industry within halophyte aromatic plants: InÂvitro antioxidant activity and phenolic and mineral contents of infusions and decoctions of Crithmum maritimum L.. Food and Chemical Toxicology, 2017, 107, 581-589.	3.6	65
33	Juncaceae species as sources of innovative bioactive compounds for the food industry: InÂvitro antioxidant activity, neuroprotective properties and in silico studies. Food and Chemical Toxicology, 2017, 107, 590-596.	3.6	12
34	Biochemical profile and in vitro neuroprotective properties of Carpobrotus edulis L., a medicinal and edible halophyte native to the coast of South Africa. South African Journal of Botany, 2017, 111, 222-231.	2.5	35
35	Trends and strategies to enhance triacylglycerols and high-value compounds in microalgae. Algal Research, 2017, 25, 263-273.	4.6	75
36	Unlocking the in vitro anti-inflammatory and antidiabetic potential of Polygonum maritimum. Pharmaceutical Biology, 2017, 55, 1348-1357.	2.9	33

#	Article	IF	Citations
37	Synthesis and anti-cancer activity of chiral tetrahydropyrazolo[1,5- a]pyridine-fused steroids. Steroids, 2017, 122, 16-23.	1.8	16
38	Hetero-Diels-Alder approach to Bis(indolyl)methanes. Bioorganic and Medicinal Chemistry, 2017, 25, 1122-1131.	3.0	13
39	Bursatella leachiifrom Mar Menor as a Source of Bioactive Molecules: Preliminary Evaluation of the Nutritional Profile,In VitroBiological Activities, and Fatty Acids Contents. Journal of Aquatic Food Product Technology, 2017, 26, 1337-1350.	1.4	5
40	Chemical profiling of infusions and decoctions of Helichrysum italicum subsp. picardii by UHPLC-PDA-MS and in vitro biological activities comparatively with green tea (Camellia sinensis) and rooibos tisane (Aspalathus linearis). Journal of Pharmaceutical and Biomedical Analysis, 2017, 145, 593-603.	2.8	39
41	Urban wastewater treatment by Tetraselmis sp. CTP4 (Chlorophyta). Bioresource Technology, 2017, 223, 175-183.	9.6	54
42	Profiling of antioxidant potential and phytoconstituents of Plantago coronopus. Brazilian Journal of Biology, 2017, 77, 632-641.	0.9	17
43	Can macroalgae provide promising anti-tumoral compounds? A closer look atCystoseira tamariscifoliaas a source for antioxidant and anti-hepatocarcinoma compounds. PeerJ, 2016, 4, e1704.	2.0	33
44	Microalgae-based unsaponifiable matter as source of natural antioxidants and metal chelators to enhance the value of wet Tetraselmis chuii biomass. Open Chemistry, 2016, 14, 299-307.	1.9	7
45	Effect of light quality supplied by light emitting diodes (LEDs) on growth and biochemical profiles of Nannochloropsis oculata and Tetraselmis chuii. Algal Research, 2016, 16, 387-398.	4.6	82
46	Unlocking the inÂvitro anti-Trypanosoma cruzi activity of halophyte plants from the southern Portugal. Asian Pacific Journal of Tropical Medicine, 2016, 9, 735-741.	0.8	11
47	Natural products from extreme marine environments: Searching for potential industrial uses within extremophile plants. Industrial Crops and Products, 2016, 94, 299-307.	5.2	56
48	Proximate biochemical composition and mineral content of edible species from the genus Cystoseira in Portugal. Botanica Marina, 2016, .	1.2	10
49	Exploring saccharinate-tetrazoles as selective Cu(<scp>ii</scp>) ligands: structure, magnetic properties and cytotoxicity of copper(<scp>ii</scp>) complexes based on 5-(3-aminosaccharyl)-tetrazoles. RSC Advances, 2016, 6, 71628-71637.	3.6	18
50	Isolation of a euryhaline microalgal strain, Tetraselmis sp. CTP4, as a robust feedstock for biodiesel production. Scientific Reports, 2016, 6, 35663.	3.3	44
51	In vitro antioxidant and anti-inflammatory properties of Limonium algarvense flowersâ€™ infusions and decoctions: A comparison with green tea (Camellia sinensis). Food Chemistry, 2016, 200, 322-329.	8.2	78
52	Natural products from marine invertebrates against Leishmania parasites: a comprehensive review. Phytochemistry Reviews, 2016, 15, 663-697.	6.5	12
53	Isololiolide, a carotenoid metabolite isolated from the brown alga Cystoseira tamariscifolia, is cytotoxic and able to induce apoptosis in hepatocarcinoma cells through caspase-3 activation, decreased Bcl-2 levels, increased p53 expression and PARP cleavage. Phytomedicine, 2016, 23, 550-557.	5.3	55
54	Methanol extracts from Cystoseira tamariscifolia and Cystoseira nodicaulis are able to inhibit cholinesterases and protect a human dopaminergic cell line from hydrogen peroxide-induced cytotoxicity. Pharmaceutical Biology, 2016, 54, 1687-1696.	2.9	38

#	Article	IF	Citations
55	First report of the nutritional profile and antioxidant potential of Holothuria arguinensis, a new resource for aquaculture in Europe. Natural Product Research, 2016, 30, 2034-2040.	1.8	28
56	Assessment and comparison of the properties of biodiesel synthesized from three different types of wet microalgal biomass. Journal of Applied Phycology, 2016, 28, 1571-1578.	2.8	13
57	A comparative evaluation of biological activities and bioactive compounds of the seagrasses Zostera marina and Zostera noltei from southern Portugal. Natural Product Research, 2016, 30, 724-728.	1.8	14
58	Biological Activities and Chemical Composition of Methanolic Extracts of Selected Autochthonous Microalgae Strains from the Red Sea. Marine Drugs, 2015, 13, 3531-3549.	4.6	44
59	Fatty acid profile of different species of algae of the Cystoseira genus: a nutraceutical perspective. Natural Product Research, 2015, 29, 1264-1270.	1.8	30
60	Novel approach to bis(indolyl)methanes: De novo synthesis of 1-hydroxyiminomethyl derivatives with anti-cancer properties. European Journal of Medicinal Chemistry, 2015, 93, 9-15.	5.5	45
61	Medicinal Effects of Microalgae-Derived Fatty Acids. , 2015, , 209-231.		7
62	Unravelling the antioxidant potential and the phenolic composition of different anatomical organs of the marine halophyte Limonium algarvense. Industrial Crops and Products, 2015, 77, 315-322.	5.2	67
63	Botryococcus braunii and Nannochloropsis oculata extracts inhibit cholinesterases and protect human dopaminergic SH-SY5Y cells from H2O2-induced cytotoxicity. Journal of Applied Phycology, 2015, 27, 839-848.	2.8	31
64	Fatty acid composition and biological activities of Isochrysis galbana T-ISO, Tetraselmis sp. and Scenedesmus sp.: possible application in the pharmaceutical and functional food industries. Journal of Applied Phycology, 2014, 26, 151-161.	2.8	66
65	Light emitting diodes (LEDs) applied to microalgal production. Trends in Biotechnology, 2014, 32, 422-430.	9.3	282
66	Maritime Halophyte Species from Southern Portugal as Sources of Bioactive Molecules. Marine Drugs, 2014, 12, 2228-2244.	4.6	72
67	Antitumoural activity of Cystoseira species: Insights into the mechanism of action. Planta Medica, 2014, 80, .	1.3	0
68	Influence of the extraction method on the antiprotozoal activity of two Iberian Cystoseira species. Planta Medica, 2014, 80, .	1.3	0
69	In vitro anti-diabetic properties of different organs of two Juncaceae species. Planta Medica, 2014, 80, .	1.3	0
70	Antioxidant and neuroprotective potential of two halophytes from the Algarve coast. Planta Medica, 2014, 80, .	1.3	2
71	Isolation and Fatty Acid Profile of Selected Microalgae Strains from the Red Sea for Biofuel Production. Energies, 2013, 6, 2773-2783.	3.1	56
72	Alternative Sources of n-3 Long-Chain Polyunsaturated Fatty Acids in Marine Microalgae. Marine Drugs, 2013, 11, 2259-2281.	4.6	236

#	Article	IF	Citations
73	Spatial and seasonal biomarker responses in the clamRuditapes decussatus. Biomarkers, 2013, 18, 30-43.	1.9	15
74	Impact of benzo(a)pyrene, Cu and their mixture on the proteomic response of Mytilus galloprovincialis. Aquatic Toxicology, 2013, 144-145, 284-295.	4.0	38
75	Iron Deprivation inSynechocystis: Inference of Pathways, Non-coding RNAs, and Regulatory Elements from Comprehensive Expression Profiling. G3: Genes, Genomes, Genetics, 2012, 2, 1475-1495.	1.8	73
76	Polyunsaturated Fatty Acids of Marine Macroalgae: Potential for Nutritional and Pharmaceutical Applications. Marine Drugs, 2012, 10, 1920-1935.	4.6	252
77	The marine halophytes Carpobrotus edulis L. and Arthrocnemum macrostachyum L. are potential sources of nutritionally important PUFAs and metabolites with antioxidant, metal chelating and anticholinesterase inhibitory activities. Botanica Marina, 2012, 55, 281-288.	1.2	34
78	Microalgae of different phyla display antioxidant, metal chelating and acetylcholinesterase inhibitory activities. Food Chemistry, 2012, 131, 134-140.	8.2	91
79	Microalgae of different phyla display antioxidant, metal chelating and acetylcholinesterase inhibitory activities. Planta Medica, 2012, 78, .	1.3	1
80	Brown macroalgae produce anti-leukemia compounds. Planta Medica, 2012, 78, .	1.3	2
81	Microplate-based high throughput screening procedure for the isolation of lipid-rich marine microalgae. Biotechnology for Biofuels, 2011, 4, 61.	6.2	122
82	Polycyclic aromatic hydrocarbons concentrations and biomarker responses in the clam Ruditapes decussatus transplanted in the Ria Formosa lagoon. Ecotoxicology and Environmental Safety, 2009, 72, 1849-1860.	6.0	50
83	A multibiomarker approach in Mytilus galloprovincialis to assess environmental quality. Journal of Environmental Monitoring, 2009, 11, 1673.	2.1	77
84	Concentration and Sources of Polycyclic Aromatic Hydrocarbons in Sediments from the Ria Formosa Lagoon. Environmental Forensics, 2007, 8, 231-243.	2.6	18
85	Polycyclic aromatic hydrocarbons in clams Ruditapes decussatus (Linnaeus, 1758). Journal of Environmental Monitoring, 2007, 9, 187.	2.1	19
86	Oxidative stress in the clamRuditapes decussatus (Linnaeus, 1758) in relation to polycyclic aromatic hydrocarbon body burden. Environmental Toxicology, 2007, 22, 203-221.	4.0	22
87	Relationship between PCBs in suspended and settled sediments from a coastal lagoon. Ciencias Marinas, 2005, 31, 179-195.	0.4	8
88	Effect of cadmium on antioxidant enzyme activities and lipid peroxidation in the gills of the clamRuditapes decussatus. Biomarkers, 2002, 7, 242-256.	1.9	119
89	Response of antioxidant systems to copper in the gills of the clam Ruditapes decussatus. Marine Environmental Research, 2002, 54, 413-417.	2.5	92
90	Sterols in the Ria Formosa lagoon, Portugal. Water Research, 1999, 33, 1038-1048.	11.3	52

#	Article	IF	Citations
91	Fatty acids in the Ria Formosa Lagoon, Portugal. Organic Geochemistry, 1998, 29, 963-977.	1.8	37
92	Evidence for Free Radical Generation Due to NADH Oxidation by Aldehyde Oxidase During Ethanol Metabolism. Archives of Biochemistry and Biophysics, 1995, 318, 53-58.	3.0	102