

Leonel Pereira

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5659278/publications.pdf>

Version: 2024-02-01

124
papers

4,783
citations

126708

33
h-index

110170

64
g-index

133
all docs

133
docs citations

133
times ranked

4320
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of selected seaweed polysaccharides (phycocolloids) by vibrational spectroscopy (FTIR-ATR and FT-Raman). <i>Food Hydrocolloids</i> , 2009, 23, 1903-1909.	5.6	375
2	Use of FTIR, FT-Raman and ¹³ C-NMR spectroscopy for identification of some seaweed phycocolloids. <i>New Biotechnology</i> , 2003, 20, 223-228.	2.7	298
3	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.	4.2	241
4	Seaweed Phenolics: From Extraction to Applications. <i>Marine Drugs</i> , 2020, 18, 384.	2.2	234
5	Analysis by Vibrational Spectroscopy of Seaweed Polysaccharides with Potential Use in Food, Pharmaceutical, and Cosmetic Industries. <i>International Journal of Carbohydrate Chemistry</i> , 2013, 2013, 1-7.	1.5	174
6	Diverse Applications of Marine Macroalgae. <i>Marine Drugs</i> , 2020, 18, 17.	2.2	174
7	Seaweeds as Source of Bioactive Substances and Skin Care Therapy – Cosmeceuticals, Algototherapy, and Thalassotherapy. <i>Cosmetics</i> , 2018, 5, 68.	1.5	168
8	Seaweed Potential in the Animal Feed: A Review. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 559.	1.2	149
9	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.	2.4	130
10	The revised NMR chemical shift data of carrageenans. <i>Carbohydrate Research</i> , 2004, 339, 2309-2313.	1.1	129
11	The Evolution Road of Seaweed Aquaculture: Cultivation Technologies and the Industry 4.0. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 6528.	1.2	124
12	A Comprehensive Review of the Nutraceutical and Therapeutic Applications of Red Seaweeds (Rhodophyta). <i>Life</i> , 2020, 10, 19.	1.1	113
13	Bioproducts from Seaweeds: A Review with Special Focus on the Iberian Peninsula. <i>Current Organic Chemistry</i> , 2014, 18, 896-917.	0.9	102
14	The structure of ¹³ C/ ¹³ C-hybrid carrageenans II. Coil – helix transition as a function of chain composition. <i>Carbohydrate Research</i> , 2005, 340, 1113-1129.	1.1	100
15	Seaweed – Bioactive Candidate Compounds to Food Industry and Global Food Security. <i>Life</i> , 2020, 10, 140.	1.1	97
16	Synthesis, characterization and antifungal activity of chemically and fungal-produced silver nanoparticles against <i>Trichophyton rubrum</i> . <i>Journal of Applied Microbiology</i> , 2014, 117, 1601-1613.	1.4	94
17	Portuguese carrageenophytes: Carrageenan composition and geographic distribution of eight species (Gigartinales, Rhodophyta). <i>Carbohydrate Polymers</i> , 2011, 84, 614-623.	5.1	89
18	The COVID 19 novel coronavirus pandemic 2020: seaweeds to the rescue? Why does substantial, supporting research about the antiviral properties of seaweed polysaccharides seem to go unrecognized by the pharmaceutical community in these desperate times?. <i>Journal of Applied Phycology</i> , 2020, 32, 1875-1877.	1.5	84

#	ARTICLE	IF	CITATIONS
19	Seaweeds Compounds: An Ecosustainable Source of Cosmetic Ingredients?. <i>Cosmetics</i> , 2021, 8, 8.	1.5	77
20	Biological and therapeutic properties of the seaweed polysaccharides. <i>International Biology Review</i> , 2018, 2, .	1.5	69
21	Microalgae Water Bioremediation: Trends and Hot Topics. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1886.	1.3	67
22	A comparative analysis of phycocolloids produced by underutilized versus industrially utilized carrageenophytes (Gigartinales, Rhodophyta). <i>Journal of Applied Phycology</i> , 2009, 21, 599-605.	1.5	66
23	Macroalgae. <i>Encyclopedia</i> , 2021, 1, 177-188.	2.4	58
24	Marine Macroalgae Assessment Tool (MarMAT) for intertidal rocky shores. Quality assessment under the scope of the European Water Framework Directive. <i>Ecological Indicators</i> , 2012, 19, 39-47.	2.6	51
25	A concise review of the brown macroalga <i>Ascophyllum nodosum</i> (Linnaeus) Le Jolis. <i>Journal of Applied Phycology</i> , 2020, 32, 3561-3584.	1.5	51
26	The invasive brown seaweed <i>Sargassum muticum</i> as new resource for alginate in Morocco: Spectroscopic and rheological characterization. <i>Phycological Research</i> , 2016, 64, 185-193.	0.8	48
27	Carrageenophytes of occidental Portuguese coast: 1-spectroscopic analysis in eight carrageenophytes from Buarcos bay. <i>New Biotechnology</i> , 2003, 20, 217-222.	2.7	44
28	Evaluation and Characterization of Alginate Extracted from Brown Seaweed Collected in the Red Sea. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6290.	1.3	44
29	Antitumour Potential of <i>Gigartina pistillata</i> Carrageenans against Colorectal Cancer Stem Cell-Enriched Tumourspheres. <i>Marine Drugs</i> , 2020, 18, 50.	2.2	42
30	Seaweeds as Valuable Sources of Essential Fatty Acids for Human Nutrition. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 4968.	1.2	41
31	Production of bio-fertilizer from <i>Ascophyllum nodosum</i> and <i>Sargassum muticum</i> (Phaeophyceae). <i>Journal of Oceanology and Limnology</i> , 2019, 37, 918-927.	0.6	40
32	Antidiabetic and antioxidant activity of phlorotannins extracted from the brown seaweed <i>Cystoseira compressa</i> in streptozotocin-induced diabetic rats. <i>Environmental Science and Pollution Research</i> , 2021, 28, 22886-22901.	2.7	40
33	Environmental Impact on Seaweed Phenolic Production and Activity: An Important Step for Compound Exploitation. <i>Marine Drugs</i> , 2021, 19, 245.	2.2	39
34	Population studies and carrageenan properties of <i>Chondracanthus teedei</i> var. <i>lusitanicus</i> (Gigartinales, Rhodophyta). <i>Journal of Applied Phycology</i> , 2004, 16, 369-383.	1.5	37
35	The Seaweed Diet in Prevention and Treatment of the Neurodegenerative Diseases. <i>Marine Drugs</i> , 2021, 19, 128.	2.2	37
36	Variation in bioactive compounds in some seaweeds from Abo Qir bay, Alexandria, Egypt. <i>Rendiconti Lincei</i> , 2016, 27, 269-279.	1.0	36

#	ARTICLE	IF	CITATIONS
37	Effect of progesterone on <i>Candida albicans</i> vaginal pathogenicity. <i>International Journal of Medical Microbiology</i> , 2014, 304, 1011-1017.	1.5	34
38	Population Studies and Carrageenan Properties in Eight Gigartinales (Rhodophyta) from Western Coast of Portugal. <i>Scientific World Journal</i> , The, 2013, 2013, 1-11.	0.8	32
39	Antifungal activity of carrageenan extracts from the red alga <i>Chondracanthus teedei</i> var. <i>lusitanicus</i> . <i>Journal of Applied Phycology</i> , 2016, 28, 2991-2998.	1.5	32
40	Marine macroalgae in a circular economy context: A comprehensive analysis focused on residual biomass. <i>Biotechnology Advances</i> , 2022, 60, 107987.	6.0	32
41	Seaweed Flora of the European North Atlantic and Mediterranean. , 2015, , 65-178.		31
42	Effect of Carrageenans on Vegetable Jelly in Humans with Hypercholesterolemia. <i>Marine Drugs</i> , 2020, 18, 19.	2.2	28
43	Invasive Seaweeds in the Iberian Peninsula: A Contribution for Food Supply. <i>Marine Drugs</i> , 2020, 18, 560.	2.2	27
44	Introductory Chapter: Alginates - A General Overview. , 2020, , .		27
45	Red Seaweed Pigments from a Biotechnological Perspective. <i>Phycology</i> , 2022, 2, 1-29.	1.7	25
46	The CgHaa1-Regulon Mediates Response and Tolerance to Acetic Acid Stress in the Human Pathogen <i>Candida glabrata</i> . <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 1-18.	0.8	24
47	<i>Sargassum muticum</i> and <i>Osmundea pinnatifida</i> Enzymatic Extracts: Chemical, Structural, and Cytotoxic Characterization. <i>Marine Drugs</i> , 2019, 17, 209.	2.2	24
48	Ecological reference conditions and quality states of marine macroalgae sensu Water Framework Directive: An example from the intertidal rocky shores of the Portuguese coastal waters. <i>Ecological Indicators</i> , 2012, 19, 24-38.	2.6	23
49	Extraction and Analysis of Compounds with Antibacterial Potential from the Red Alga <i>Grateloupia turuturu</i> . <i>Journal of Marine Science and Engineering</i> , 2019, 7, 220.	1.2	22
50	Seaweeds's pigments and phenolic compounds with antimicrobial potential. <i>Biomolecular Concepts</i> , 2022, 13, 89-102.	1.0	22
51	Influence of glucose concentration on the structure and quantity of biofilms formed by <i>Candida parapsilosis</i> . <i>FEMS Yeast Research</i> , 2015, 15, fov043.	1.1	21
52	The use of MALDI-TOF ICMS as an alternative tool for <i>Trichophyton rubrum</i> identification and typing. <i>Enfermedades Infecciosas Y MicrobiologÍa ClÍnica</i> , 2014, 32, 11-17.	0.3	18
53	The effect of salinity on <i>Fucus ceranoides</i> (Ochrophyta, Phaeophyceae) in the Mondego River (Portugal). <i>Journal of Oceanology and Limnology</i> , 2019, 37, 881-891.	0.6	18
54	The antifungal activity of extracts of <i>Osmundea pinnatifida</i> , an edible seaweed, indicates its usage as a safe environmental fungicide or as a food additive preventing post-harvest fungal food contamination. <i>Food and Function</i> , 2018, 9, 6187-6195.	2.1	17

#	ARTICLE	IF	CITATIONS
55	Intertidal zonation and latitudinal gradients on macroalgal assemblages: Species, functional groups and thallus morphology approaches. <i>Ecological Indicators</i> , 2017, 81, 90-103.	2.6	16
56	Spotting intruders: Species distribution models for managing invasive intertidal macroalgae. <i>Journal of Environmental Management</i> , 2021, 281, 111861.	3.8	16
57	The seaweed resources of Portugal. <i>Botanica Marina</i> , 2019, 62, 499-525.	0.6	15
58	Calliblepharis jubata Cultivation Potential – A Comparative Study between Controlled and Semi-Controlled Aquaculture. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7553.	1.3	15
59	Isolation, Identification and Biotechnological Applications of a Novel, Robust, Free-living Chlorococcum (Oophila) amblystomatis Strain Isolated from a Local Pond. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3040.	1.3	15
60	Characterization of Bioactive Components in Edible Algae. <i>Marine Drugs</i> , 2020, 18, 65.	2.2	15
61	Guia ilustrado das macroalgas: conhecer e reconhecer algumas espécies da flora portuguesa. , 2009, , .		15
62	Seasonal Nutritional Profile of Gelidium corneum (Rhodophyta, Gelidiaceae) from the Center of Portugal. <i>Foods</i> , 2021, 10, 2394.	1.9	14
63	Marine Functional Foods. , 2015, , 969-994.		13
64	Seaweeds as a Fermentation Substrate: A Challenge for the Food Processing Industry. <i>Processes</i> , 2021, 9, 1953.	1.3	13
65	Concise review of the species Pterocladia capillacea (S.G. Gmelin) Santelices & Hommersand. <i>Journal of Applied Phycology</i> , 2020, 32, 787-808.	1.5	12
66	Seaweeds – nutraceutical and biomedical potential in cancer therapy: a concise review. <i>Journal of Cancer Metastasis and Treatment</i> , 0, 2021, .	0.5	12
67	On the Health Benefits vs. Risks of Seaweeds and Their Constituents: The Curious Case of the Polymer Paradigm. <i>Marine Drugs</i> , 2021, 19, 164.	2.2	12
68	Seaweeds – carbohydrate polymers as plant growth promoters. <i>Carbohydrate Polymer Technologies and Applications</i> , 2021, 2, 100097.	1.6	12
69	Toxicological effects of the chemical and green ZnO NPs on <i>Cyprinus carpio</i> L. observed under light and scanning electron microscopy. <i>Microscopy Research and Technique</i> , 2022, 85, 848-860.	1.2	12
70	Seaweed-Based Products and Mushroom β -Glucan as Tomato Plant Immunological Inducers. <i>Vaccines</i> , 2020, 8, 524.	2.1	11
71	Biostimulant Effect of Marine Macroalgae Bioextract on Pepper Grown in Greenhouse. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4052.	1.3	11
72	Effects of Heat Treatment Processes: Health Benefits and Risks to the Consumer. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8740.	1.3	11

#	ARTICLE	IF	CITATIONS
73	Pioneering Role of Marine Macroalgae in Cosmeceuticals. <i>Phycology</i> , 2022, 2, 172-203.	1.7	11
74	Antioxidant and antitumor potential of wild and IMTA-cultivated <i>Osmundea pinnatifida</i> . <i>Journal of Oceanology and Limnology</i> , 2019, 37, 825-835.	0.6	10
75	Marine macroalgae as a feasible and complete resource to address and promote Sustainable Development Goals (SDGs). <i>Integrated Environmental Assessment and Management</i> , 2022, 18, 1148-1161.	1.6	10
76	Origin here, impact thereâ€”The need of integrated management for river basins and coastal areas. <i>Ecological Indicators</i> , 2017, 72, 794-802.	2.6	9
77	Concise reviews of seaweeds of current and future commercial interest. <i>Journal of Applied Phycology</i> , 2020, 32, 1-2.	1.5	9
78	Historical Use of Seaweed as an Agricultural Fertilizer in the European Atlantic Area. , 2019, , 1-22.		9
79	4 Cytological and cytochemical aspects in selected carrageenophytes (Gigartinales , Rhodophyta). , 2012, , 81-104.		9
80	Seaweed resources of the world: a 2020 vision. <i>Botanica Marina</i> , 2019, 62, xx-xx.	0.6	8
81	A concise review of the red macroalgae <i>Chondracanthus teedei</i> (Mertens ex Roth) KÃ¼tzing and <i>Chondracanthus teedei</i> var. <i>lusitanicus</i> (J.E. De Mesquita Rodrigues) BÃ¡rbara & Cremades. <i>Journal of Applied Phycology</i> , 2021, 33, 111-131.	1.5	8
82	Nutritional Composition of the Main Edible Algae. , 2018, , 65-127.		8
83	Call the Eckols: Present and Future Potential Cancer Therapies. <i>Marine Drugs</i> , 2022, 20, 387.	2.2	8
84	Municipal Wastewater: A Sustainable Source for the Green Microalgae <i>Chlorella vulgaris</i> Biomass Production. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2207.	1.3	7
85	A Comparative Study of the Fatty Acids and Monosaccharides of Wild and Cultivated <i>Ulva</i> sp.. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 233.	1.2	7
86	Agricultural commodities pricing model applied to the Brazilian sugar market. <i>Australian Journal of Agricultural and Resource Economics</i> , 2012, 56, 542-557.	1.3	6
87	Extracts of the seaweed <i>Bifurcaria bifurcata</i> display antifungal activity against human dermatophyte fungi. <i>Journal of Oceanology and Limnology</i> , 2019, 37, 848-854.	0.6	6
88	Extracts of seaweeds used as biostimulants on land and sea cropsâ€”an efficacious, phyconomic, circular blue economy: with special reference to <i>Ascophyllum</i> (brown) and <i>Kappaphycus</i> (red) seaweeds. , 2021, , 263-288.		6
89	Preface: Bioactive substances of various seaweeds and their applications and utilization. <i>Journal of Oceanology and Limnology</i> , 2019, 37, 779-782.	0.6	5
90	Concise review of <i>Osmundea pinnatifida</i> (Hudson) Stackhouse. <i>Journal of Applied Phycology</i> , 2020, 32, 2761-2771.	1.5	5

#	ARTICLE	IF	CITATIONS
91	Portuguese Kelps: Feedstock Assessment for the Food Industry. Applied Sciences (Switzerland), 2021, 11, 10681.	1.3	5
92	Vibrational Spectroscopy of Seaweed Polysaccharides. , 2017, , 83-100.		4
93	Macroalgae: Diversity and Conservation. Encyclopedia of the UN Sustainable Development Goals, 2020, , 1-13.	0.0	4
94	Seaweed-Based Polymers from Sustainable Aquaculture to “Greener” Plastic Products. , 2022, , 591-602.		4
95	Plankton: Environmental and Economic Importance for a Sustainable Future. , 0, , .		4
96	Biodiversity and Description of the Main Algae with Bioactive Properties. , 2018, , 1-64.		3
97	Antiviral Activity of Seaweeds and their Extracts. , 2018, , 175-211.		3
98	Chondracanthus teedei var. lusitanicus: The Nutraceutical Potential of an Unexploited Marine Resource. Marine Drugs, 2021, 19, 570.	2.2	3
99	The Cardio-protective Activity of Edible Seaweeds and their Extracts. , 2018, , 143-174.		2
100	Extraction, Characterization, and Use of Carrageenans. , 2017, , 37-90.		2
101	Review of Marine Algae as Source of Bioactive Metabolites: a Marine Biotechnology Approach. , 2014, , 203-235.		2
102	Marine Algae as Carbon Sinks and Allies to Combat. , 2014, , 186-202.		1
103	Seaweed resources of the world: a 2020 vision. Part 3. Botanica Marina, 2020, 63, 1-3.	0.6	1
104	Cultivation of Gracilaria gracilis in an Aquaculture System at Mondego River (Portugal) Estuary Adjacent Terrain. , 2021, , 83-92.		1
105	Neurological Activities of Seaweeds and their Extracts. , 2018, , 485-502.		1
106	Seaweeds Used in Wastewater Treatment: Steps to Industrial Commercialization. , 2021, , 247-262.		1
107	Thalassotherapy and Marine Cosmeceuticals. , 2018, , 503-522.		1
108	Seaweed resources of the world: a 2020 vision. Part 4. Botanica Marina, 2020, 63, 299-301.	0.6	1

#	ARTICLE	IF	CITATIONS
109	Seaweed as Food: How to Guarantee Their Quality?. , 2022, , 309-321.		1
110	A Road to the Sustainable Seaweed Aquaculture. , 2022, , 63-73.		1
111	Seaweed resources of the world: a 2020 vision. Part 2. Botanica Marina, 2019, 62, 391-393.	0.6	0
112	Biochemical Composition of Six Native Seaweeds from Buarcos Bay, Central West Coast of Portugal. , 2021, , 227-236.		0
113	Corallines and other macroalgae collected during the Beagle voyage. , 2011, , 39-61.		0
114	Marine Algae: General Aspects (Biology, Systematics, Field and Laboratory Techniques). , 2014, , 9-75.		0
115	Evaluation of mineral composition and antioxidant capacity of three brown macroalgae species (Phaeophyceae) from the Portuguese Coast. Planta Medica, 2014, 80, .	0.7	0
116	Antifungal Activity of Seaweeds and their Extracts. , 2018, , 311-346.		0
117	Antitumor Activity of Seaweeds and their Extracts. , 2018, , 212-310.		0
118	Antiparasitic, Insecticidal, and Larvicidal Activities of Seaweeds and their Extracts. , 2018, , 428-449.		0
119	Therapeutic Uses of Phycocolloids. , 2018, , 128-142.		0
120	Antibacterial Activity of Seaweeds and their Extracts. , 2018, , 347-427.		0
121	Anti-inflammatory, Anti-allergic, Antipyretic, Antinociceptive, Antithrombotic, and Anti-coagulant Activities of Seaweeds and their Extracts. , 2018, , 450-484.		0
122	Red Seaweeds: Their Use in Formulation of Nutraceutical Food Products. , 2022, , 253-265.		0
123	Macroalgae: Diversity and Conservation. Encyclopedia of the UN Sustainable Development Goals, 2022, , 527-539.	0.0	0
124	Criteria for the development of culture media applied to microalgae-based fuel production. , 2022, , 33-45.		0