Leonel Pereira

List of Publications by Year
in descending order

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124 papers	4,783 citations	126907 33 h-index	110387 64 g-index
133 all docs	133 docs citations	133 times ranked	4320 citing authors

#	Article	IF	Citations
1	Toxicological effects of the chemical and green <scp>ZnO NPs</scp> on <scp>Cyprinus carpio L.</scp> observed under light and scanning electron microscopy. Microscopy Research and Technique, 2022, 85, 848-860.	2.2	12
2	A Comparative Study of the Fatty Acids and Monosaccharides of Wild and Cultivated Ulva sp.. Journal of Marine Science and Engineering, 2022, 10, 233.	2.6	7
3	Seaweedsâ€™ pigments and phenolic compounds with antimicrobial potential. Biomolecular Concepts, 2022, 13, 89-102.	2.2	22
4	Seaweed as Food: How to Guarantee Their Quality?. , 2022, , 309-321.		1
5	A Road to the Sustainable Seaweed Aquaculture. , 2022, , 63-73.		1
6	Seaweed-Based Polymers from Sustainable Aquaculture to â€œGreenerâ€•Plastic Products. , 2022, , 591-602.		4
7	Red Seaweeds: Their Use in Formulation of Nutraceutical Food Products. , 2022, , 253-265.		0
8	Pioneering Role of Marine Macroalgae in Cosmeceuticals. Phycology, 2022, 2, 172-203.	3.6	11
9	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.	2.9	10
10	Red Seaweed Pigments from a Biotechnological Perspective. Phycology, 2022, 2, 1-29.	3.6	25
11	Macroalgae: Diversity and Conservation. Encyclopedia of the UN Sustainable Development Goals, 2022, , 527-539.	0.1	0
12	Criteria for the development of culture media applied to microalgae-based fuel production. , 2022, , 33-45.		0
13	Marine macroalgae in a circular economy context: A comprehensive analysis focused on residual biomass. Biotechnology Advances, 2022, 60, 107987.	11.7	32
14	Call the Eckols: Present and Future Potential Cancer Therapies. Marine Drugs, 2022, 20, 387.	4.6	8
15	A concise review of the red macroalgae Chondracanthus teedei (Mertens ex Roth) KÃ¼tzing and Chondracanthus teedei var. lusitanicus (J.E. De Mesquita Rodrigues) BÃ¡rbara & Cremades. Journal of Applied Phycology, 2021, 33, 111-131.	2.8	8
16	Cultivation of Gracilaria gracilis in an Aquaculture System at Mondego River (Portugal) Estuary Adjacent Terrain. , 2021, , 83-92.		1
17	Biochemical Composition of Six Native Seaweeds from Buarcos Bay, Central West Coast of Portugal. , 2021, , 227-236.		0
18	Macroalgae. Encyclopedia, 2021, 1, 177-188.	4.5	58

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19	The Seaweed Diet in Prevention and Treatment of the Neurodegenerative Diseases. Marine Drugs, 2021, 19, 128.	4.6	37
20	On the Health Benefits vs. Risks of Seaweeds and Their Constituents: The Curious Case of the Polymer Paradigm. Marine Drugs, 2021, 19, 164.	4.6	12
21	Spotting intruders: Species distribution models for managing invasive intertidal macroalgae. Journal of Environmental Management, 2021, 281, 111861.	7.8	16
22	Municipal Wastewater: A Sustainable Source for the Green Microalgae Chlorella vulgaris Biomass Production. Applied Sciences (Switzerland), 2021, 11, 2207.	2.5	7
23	Environmental Impact on Seaweed Phenolic Production and Activity: An Important Step for Compound Exploitation. Marine Drugs, 2021, 19, 245.	4.6	39
24	Seaweeds as Valuable Sources of Essential Fatty Acids for Human Nutrition. International Journal of Environmental Research and Public Health, 2021, 18, 4968.	2.6	41
25	Evaluation and Characterization of Alginate Extracted from Brown Seaweed Collected in the Red Sea. Applied Sciences (Switzerland), 2021, 11, 6290.	2.5	44
26	Effects of Heat Treatment Processes: Health Benefits and Risks to the Consumer. Applied Sciences (Switzerland), 2021, 11, 8740.	2.5	11
27	Seaweedsâ€™ carbohydrate polymers as plant growth promoters. Carbohydrate Polymer Technologies and Applications, 2021, 2, 100097.	2.6	12
28	Antidiabetic and antioxidant activity of phlorotannins extracted from the brown seaweed Cystoseira compressa in streptozotocin-induced diabetic rats. Environmental Science and Pollution Research, 2021, 28, 22886-22901.	5.3	40
29	Extracts of seaweeds used as biostimulants on land and sea cropsâ€”an efficacious, phyconomic, circular blue economy: with special reference to Ascophyllum (brown) and Kappaphycus (red) seaweeds. , 2021, , 263-288.		6
30	Seaweeds Compounds: An Ecosustainable Source of Cosmetic Ingredients?. Cosmetics, 2021, 8, 8.	3.3	77
31	Seaweeds Used in Wastewater Treatment: Steps to Industrial Commercialization. , 2021, , 247-262.		1
32	Chondracanthus teedei var. lusitanicus: The Nutraceutical Potential of an Unexploited Marine Resource. Marine Drugs, 2021, 19, 570.	4.6	3
33	Seasonal Nutritional Profile of Gelidium corneum (Rhodophyta, Gelidiaceae) from the Center of Portugal. Foods, 2021, 10, 2394.	4.3	14
34	Seaweeds as a Fermentation Substrate: A Challenge for the Food Processing Industry. Processes, 2021, 9, 1953.	2.8	13
35	Portuguese Kelps: Feedstock Assessment for the Food Industry. Applied Sciences (Switzerland), 2021, 11, 10681.	2.5	5
36	Concise review of the species Pterocladiella capillacea (S.G. Gmelin) Santelices & Hommersand. Journal of Applied Phycology, 2020, 32, 787-808.	2.8	12

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37	Diverse Applications of Marine Macroalgae. Marine Drugs, 2020, 18, 17.	4.6	174
38	Effect of Carrageenans on Vegetable Jelly in Humans with Hypercholesterolemia. Marine Drugs, 2020, 18, 19.	4.6	28
39	Seaweed-Based Products and Mushroom Î²-Glucan as Tomato Plant Immunological Inducers. Vaccines, 2020, 8, 524.	4.4	11
40	A concise review of the brown macroalga Ascophyllum nodosum (Linnaeus) Le Jolis. Journal of Applied Phycology, 2020, 32, 3561-3584.	2.8	51
41	Invasive Seaweeds in the Iberian Peninsula: A Contribution for Food Supply. Marine Drugs, 2020, 18, 560.	4.6	27
42	Seaweedâ€™s Bioactive Candidate Compounds to Food Industry and Global Food Security. Life, 2020, 10, 140.	2.4	97
43	Seaweed Phenolics: From Extraction to Applications. Marine Drugs, 2020, 18, 384.	4.6	234
44	Concise review of Osmundea pinnatifida (Hudson) Stackhouse. Journal of Applied Phycology, 2020, 32, 2761-2771.	2.8	5
45	Seaweed Potential in the Animal Feed: A Review. Journal of Marine Science and Engineering, 2020, 8, 559.	2.6	149
46	The Evolution Road of Seaweed Aquaculture: Cultivation Technologies and the Industry 4.0. International Journal of Environmental Research and Public Health, 2020, 17, 6528.	2.6	124
47	Calliblepharis jubata Cultivation Potentialâ€"A Comparative Study between Controlled and Semi-Controlled Aquaculture. Applied Sciences (Switzerland), 2020, 10, 7553.	2.5	15
48	Introductory Chapter: Alginates - A General Overview. , 2020, , .		27
49	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?. Journal of Applied Phycology, 2020, 32, 1875-1877.	2.8	84
50	Isolation, Identification and Biotechnological Applications of a Novel, Robust, Free-living Chlorococcum (Oophila) amblystomatis Strain Isolated from a Local Pond. Applied Sciences (Switzerland), 2020, 10, 3040.	2.5	15
51	Microalgae Water Bioremediation: Trends and Hot Topics. Applied Sciences (Switzerland), 2020, 10, 1886.	2.5	67
52	A Comprehensive Review of the Nutraceutical and Therapeutic Applications of Red Seaweeds (Rhodophyta). Life, 2020, 10, 19.	2.4	113
53	Biostimulant Effect of Marine Macroalgae Bioextract on Pepper Grown in Greenhouse. Applied Sciences (Switzerland), 2020, 10, 4052.	2.5	11
54	Concise reviews of seaweeds of current and future commercial interest. Journal of Applied Phycology, 2020, 32, 1-2.	2.8	9

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55	Characterization of Bioactive Components in Edible Algae. Marine Drugs, 2020, 18, 65.	4.6	15
56	Seaweed resources of the world: a 2020 vision. Part 3. Botanica Marina, 2020, 63, 1-3.	1.2	1
57	Macroalgae: Diversity and Conservation. Encyclopedia of the UN Sustainable Development Goals, 2020, , 1-13.	0.1	4
58	Antitumour Potential of Gigartina pistillata Carrageenans against Colorectal Cancer Stem Cell-Enriched Tumourspheres. Marine Drugs, 2020, 18, 50.	4.6	42
59	Seaweed resources of the world: a 2020 vision. Part 4. Botanica Marina, 2020, 63, 299-301.	1.2	1
60	Extraction and Analysis of Compounds with Antibacterial Potential from the Red Alga Grateloupia turuturu. Journal of Marine Science and Engineering, 2019, 7, 220.	2.6	22
61	Seaweed resources of the world: a 2020 vision. Part 2. Botanica Marina, 2019, 62, 391-393.	1.2	0
62	The seaweed resources of Portugal. Botanica Marina, 2019, 62, 499-525.	1.2	15
63	The effect of salinity on Fucus ceranoides (Ochrophyta, Phaeophyceae) in the Mondego River (Portugal). Journal of Oceanology and Limnology, 2019, 37, 881-891.	1.3	18
64	Antioxidant and antitumor potential of wild and IMTA-cultivated Osmundea pinnatifida. Journal of Oceanology and Limnology, 2019, 37, 825-835.	1.3	10
65	Preface: Bioactive substances of various seaweeds and their applications and utilization. Journal of Oceanology and Limnology, 2019, 37, 779-782.	1.3	5
66	Production of bio-fertilizer from Ascophyllum nodosum and Sargassum muticum (Phaeophyceae). Journal of Oceanology and Limnology, 2019, 37, 918-927.	1.3	40
67	Seaweed resources of the world: a 2020 vision. Botanica Marina, 2019, 62, xx-xx.	1.2	8
68	Sargassum muticum and Osmundea pinnatifida Enzymatic Extracts: Chemical, Structural, and Cytotoxic Characterization. Marine Drugs, 2019, 17, 209.	4.6	24
69	Extracts of the seaweed Bifurcaria bifurcata display antifungal activity against human dermatophyte fungi. Journal of Oceanology and Limnology, 2019, 37, 848-854.	1.3	6
70	Historical Use of Seaweed as an Agricultural Fertilizer in the European Atlantic Area. , 2019, , 1-22.		9
71	The antifungal activity of extracts of Osmundea pinnatifida, an edible seaweed, indicates its usage as a safe environmental fungicide or as a food additive preventing post-harvest fungal food contamination. Food and Function, 2018, 9, 6187-6195.	4.6	17
72	Seaweeds as Source of Bioactive Substances and Skin Care Therapyâ€"Cosmeceuticals, Algotheraphy, and Thalassotherapy. Cosmetics, 2018, 5, 68.	3.3	168

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73	Biodiversity and Description of the Main Algae with Bioactive Properties. , 2018, , 1-64.		3
74	Neurological Activities of Seaweeds and their Extracts. , 2018, , 485-502.		1
75	Nutritional Composition of the Main Edible Algae. , 2018, , 65-127.		8
76	The Cardio-protective Activity of Edible Seaweeds and their Extracts. , 2018, , 143-174.		2
77	Antiviral Activity of Seaweeds and their Extracts. , 2018, , 175-211.		3
78	Biological and therapeutic properties of the seaweed polysaccharides. International Biology Review, 2018, 2, .	1.5	69
79	Antifungal Activity of Seaweeds and their Extracts. , 2018, , 311-346.		0
80	Antitumor Activity of Seaweeds and their Extracts. , 2018, , 212-310.		0
81	Antiparasitic, Insecticidal, and Larvicidal Activities of Seaweeds and their Extracts. , 2018, , 428-449.		0
82	Therapeutic Uses of Phycocolloids. , 2018, , 128-142.		0
83	Antibacterial Activity of Seaweeds and their Extracts. , 2018, , 347-427.		0
84	Anti-inflammatory, Anti-allergic, Antipyretic, Antinociceptive, Antithrombotic, and Anti-coagulant Activities of Seaweeds and their Extracts. , 2018, , 450-484.		0
85	Thalassotherapy and Marine Cosmeceuticals. , 2018, , 503-522.		1
86	The CgHaa1-Regulon Mediates Response and Tolerance to Acetic Acid Stress in the Human Pathogen Candida glabrata. G3: Genes, Genomes, Genetics, 2017, 7, 1-18.	1.8	24
87	Intertidal zonation and latitudinal gradients on macroalgal assemblages: Species, functional groups and thallus morphology approaches. Ecological Indicators, 2017, 81, 90-103.	6.3	16
88	Origin here, impact thereâ€"The need of integrated management for river basins and coastal areas. Ecological Indicators, 2017, 72, 794-802.	6.3	9
89	Vibrational Spectroscopy of Seaweed Polysaccharides. , 2017, , 83-100.		4
90	Extraction, Characterization, and Use of Carrageenans. , 2017, , 37-90.		2

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91	Antifungal activity of carrageenan extracts from the red alga Chondracanthus teedei var. lusitanicus. Journal of Applied Phycology, 2016, 28, 2991-2998.	2.8	32
92	The invasive brown seaweed Sargassum muticum as new resource for alginate in Morocco: Spectroscopic and rheological characterization. Phycological Research, 2016, 64, 185-193.	1.6	48
93	Variation in bioactive compounds in some seaweeds from Abo Qir bay, Alexandria, Egypt. Rendiconti Lincei, 2016, 27, 269-279.	2.2	36
94	Marine Functional Foods. , 2015, , 969-994.		13
95	Seaweed Flora of the European North Atlantic and Mediterranean. , 2015, , 65-178.		31
96	Influence of glucose concentration on the structure and quantity of biofilms formed byCandida parapsilosis. FEMS Yeast Research, 2015, 15, fov043.	2.3	21
97	Chemical composition of red, brown and green macroalgae from Buarcos bay in Central West Coast of Portugal. Food Chemistry, 2015, 183, 197-207.	8.2	241
98	Impact of Enzyme- and Ultrasound-Assisted Extraction Methods on Biological Properties of Red, Brown, and Green Seaweeds from the Central West Coast of Portugal. Journal of Agricultural and Food Chemistry, 2015, 63, 3177-3188.	5.2	130
99	Synthesis, characterization and antifungal activity of chemically and fungal-produced silver nanoparticles against Trichophyton rubrum. Journal of Applied Microbiology, 2014, 117, 1601-1613.	3.1	94
100	Effect of progesterone on Candida albicans vaginal pathogenicity. International Journal of Medical Microbiology, 2014, 304, 1011-1017.	3.6	34
101	The use of MALDI-TOF ICMS as an alternative tool for Trichophyton rubrum identification and typing. Enfermedades Infecciosas Y MicrobiologÃa ClÃnica, 2014, 32, 11-17.	0.5	18
102	Marine Algae as Carbon Sinks and Allies to Combat. , 2014, , 186-202.		1
103	Review of Marine Algae as Source of Bioactive Metabolites: a Marine Biotechnology Approach. , 2014, , 203-235.		2
104	Bioproducts from Seaweeds: A Review with Special Focus on the Iberian Peninsula. Current Organic Chemistry, 2014, 18, 896-917.	1.6	102
105	Marine Algae: General Aspects (Biology, Systematics, Field and Laboratory Techniques). , 2014, , 9-75.		0
106	Evaluation of mineral composition and antioxidant capacity of three brown macroalgae species (Phaeophyceae) from the Portuguese Coast. Planta Medica, 2014, 80, .	1.3	0
107	Analysis by Vibrational Spectroscopy of Seaweed Polysaccharides with Potential Use in Food, Pharmaceutical, and Cosmetic Industries. International Journal of Carbohydrate Chemistry, 2013, 2013, 1-7.	1.5	174
108	Population Studies and Carrageenan Properties in Eight Gigartinales (Rhodophyta) from Western Coast of Portugal. Scientific World Journal, The, 2013, 2013, 1-11.	2.1	32

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109	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. Ecological Indicators, 2012, 19, 24-38.	6.3	23
110	Marine Macroalgae Assessment Tool (MarMAT) for intertidal rocky shores. Quality assessment under the scope of the European Water Framework Directive. Ecological Indicators, 2012, 19, 39-47.	6.3	51
111	Agricultural commodities pricing model applied to the Brazilian sugar market. Australian Journal of Agricultural and Resource Economics, 2012, 56, 542-557.	2.6	6
112	4 Cytological and cytochemical aspects in selected carrageenophytes (Gigartinales , Rhodophyta). , 2012, , 81-104.		9
113	Portuguese carrageenophytes: Carrageenan composition and geographic distribution of eight species (Gigartinales, Rhodophyta). Carbohydrate Polymers, 2011, 84, 614-623.	10.2	89
114	Corallines and other macroalgae collected during the Beagle voyage. , 2011, , 39-61.		0
115	Identification of selected seaweed polysaccharides (phycocolloids) by vibrational spectroscopy (FTIR-ATR and FT-Raman). Food Hydrocolloids, 2009, 23, 1903-1909.	10.7	375
116	A comparative analysis of phycocolloids produced by underutilized versus industrially utilized carrageenophytes (Gigartinales, Rhodophyta). Journal of Applied Phycology, 2009, 21, 599-605.	2.8	66
117	Guia ilustrado das macroalgas: conhecer e reconhecer algumas espÃ©cies da flora portuguesa. , 2009, , .		15
118	The structure of Î²/Î¹-hybrid carrageenans II. Coilâ€“helix transition as a function of chain composition. Carbohydrate Research, 2005, 340, 1113-1129.	2.3	100
119	Population studies and carrageenan properties of Chondracanthus teedei var. lusitanicus (Gigartinaceae, Rhodophyta). Journal of Applied Phycology, 2004, 16, 369-383.	2.8	37
120	The revised NMR chemical shift data of carrageenans. Carbohydrate Research, 2004, 339, 2309-2313.	2.3	129
121	Carrageenophytes of occidental Portuguese coast: 1-spectroscopic analysis in eight carrageenophytes from Buarcos bay. New Biotechnology, 2003, 20, 217-222.	2.7	44
122	Use of FTIR, FT-Raman and 13C-NMR spectroscopy for identification of some seaweed phycocolloids. New Biotechnology, 2003, 20, 223-228.	2.7	298
123	Seaweedsâ€™ nutraceutical and biomedical potential in cancer therapy: a concise review. Journal of Cancer Metastasis and Treatment, 0, 2021, .	0.8	12
124	Plankton: Environmental and Economic Importance for a Sustainable Future. , 0, , .		4