SolÃ¨ne Connan

List of Publications by Year
in descending order

Version: 2024-02-01

28 papers	1,814 citations	361045 20 h-index	476904 29 g-index
30 all docs	30 docs citations	30 times ranked	2494 citing authors

#	Article	IF	Citations
1	Algal chemodiversity and bioactivity: Sources of natural variability and implications for commercial application. Biotechnology Advances, 2011, 29, 483-501.	6.0	463
2	Interspecific and temporal variation in phlorotannin levels in an assemblage of brown algae. Botanica Marina, 2004, 47, .	0.6	164
3	Intra-thallus phlorotannin content and antioxidant activity in Phaeophyceae of temperate waters. Botanica Marina, 2006, 49, .	0.6	117
4	Spatial and seasonal variation in density, reproductive status, length and phenolic content of the invasive brown macroalga Sargassum muticum (Yendo) Fensholt along the coast of Western Brittany (France). Aquatic Botany, 2006, 85, 337-344.	0.8	111
5	Profiling Phlorotannins in Brown Macroalgae by Liquid Chromatographyâ€“High Resolution Mass Spectrometry. Phytochemical Analysis, 2012, 23, 547-553.	1.2	103
6	Influence of dayâ€“night and tidal cycles on phenol content and antioxidant capacity in three temperate intertidal brown seaweeds. Journal of Experimental Marine Biology and Ecology, 2007, 349, 359-369.	0.7	100
7	Connecting marine productivity to sea-spray via nanoscale biological processes: Phytoplankton Dance or Death Disco?. Scientific Reports, 2015, 5, 14883.	1.6	75
8	Impacts of ambient salinity and copper on brown algae: 2. Interactive effects on phenolic pool and assessment of metal binding capacity of phlorotannin. Aquatic Toxicology, 2011, 104, 1-13.	1.9	73
9	From In Situ to satellite observations of pelagic Sargassum distribution and aggregation in the Tropical North Atlantic Ocean. PLoS ONE, 2019, 14, e0222584.	1.1	63
10	Photo-protective compounds in red macroalgae from Brittany: Considerable diversity in mycosporine-like amino acids (MAAs). Marine Environmental Research, 2019, 147, 37-48.	1.1	61
11	Impacts of ambient salinity and copper on brown algae: 1. Interactive effects on photosynthesis, growth, and copper accumulation. Aquatic Toxicology, 2011, 104, 94-107.	1.9	58
12	Short-term effects of increasing CO2, nitrate and temperature on three Mediterranean macroalgae: biochemical composition. Aquatic Biology, 2014, 22, 177-193.	0.5	53
13	Marine Algae: a Source of Biomass for Biotechnological Applications. Methods in Molecular Biology, 2015, 1308, 1-37.	0.4	43
14	Phenology, TPC and size-fractioning phenolics variability in temperate Sargassaceae (Phaeophyceae,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 2012, 80, 1-11.	1.1	41
15	Short-term effects of CO2, nutrients and temperature on three marine macroalgae under solar radiation. Aquatic Biology, 2014, 22, 159-176.	0.5	41
16	The stressful life of red and brown seaweeds on the temperate intertidal zone: effect of abiotic and biotic parameters on the physiology of macroalgae and content variability of particular metabolites. Advances in Botanical Research, 2020, 95, 247-287.	0.5	37
17	Can low sea urchin densities control macro-epiphytic biomass in a north-east Atlantic maerl bed ecosystem (Bay of Brest, Brittany, France)?. Journal of the Marine Biological Association of the United Kingdom, 2002, 82, 867-876.	0.4	33
18	In vitro experimental assessment of the grazing pressure of two gastropods on Zostera marina L. ephiphytic algae. Aquatic Botany, 2004, 78, 183-195.	0.8	32

#	Article	IF	Citations
19	Active phlorotannins from seven brown seaweeds commercially harvested in Brittany (France) detected by 1H NMR and in vitro assays: temporal variation and potential valorization in cosmetic applications. Journal of Applied Phycology, 2020, 32, 2375-2386.	1.5	31
20	Chlorophyll a fluorescence responses of temperate Phaeophyceae under submersion and emersion regimes: a comparison of rapid and steady-state light curves. Photosynthesis Research, 2012, 114, 29-42.	1.6	29
21	Temporal variation in pigment and mycosporine-like amino acid composition of the red macroalga Palmaria palmata from Brittany (France): hypothesis on the MAA biosynthesis pathway under high irradiance. Journal of Applied Phycology, 2020, 32, 2641-2656.	1.5	20
22	Short-term effects of increased CO2, nitrate and temperature on photosynthetic activity in Ulva rigida (Chlorophyta) estimated by different pulse amplitude modulated fluorometers and oxygen evolution. Journal of Experimental Botany, 2021, 72, 491-509.	2.4	16
23	Spectrophotometric Assays of Major Compounds Extracted from Algae. Methods in Molecular Biology, 2015, 1308, 75-101.	0.4	13
24	HPLC analysis of algal pigments to define diet of sea urchins. Journal of the Marine Biological Association of the United Kingdom, 2003, 83, 571-573.	0.4	10
25	Factors influencing the distribution of coastal lichens Hydropunctaria maura and Wahlenbergiella mucosa. Marine Ecology, 2015, 36, 1400-1414.	0.4	8
26	Phlorotannin and Pigment Content of Native Canopy-Forming Sargassaceae Species Living in Intertidal Rockpools in Brittany (France): Any Relationship with Their Vertical Distribution and Phenology?. Marine Drugs, 2021, 19, 504.	2.2	8
27	Potential of tropical macroalgae from French Polynesia for biotechnological applications. Journal of Applied Phycology, 2020, 32, 2343-2362.	1.5	7
28	A New Protocol Using Acidification for Preserving DMSP in Macroalgae and Comparison with Existing Protocols. Journal of Phycology, 2021, 57, 689-693.	1.0	2