

Pirjo Huovinen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6106296/publications.pdf>

Version: 2024-02-01

53
papers

1,552
citations

304743

22
h-index

315739

38
g-index

53
all docs

53
docs citations

53
times ranked

1490
citing authors

#	ARTICLE	IF	CITATIONS
1	Patterns of photosynthesis in 18 species of intertidal macroalgae from southern Chile. <i>Marine Ecology - Progress Series</i> , 2004, 270, 103-116.	1.9	106
2	Light and temperature demands of marine benthic microalgae and seaweeds in polar regions. <i>Botanica Marina</i> , 2009, 52, 593-608.	1.2	104
3	Opportunities and challenges for the development of an integrated seaweed-based aquaculture activity in Chile: determining the physiological capabilities of <i>Macrocystis</i> and <i>Gracilaria</i> as biofilters. <i>Journal of Applied Phycology</i> , 2008, 20, 571-577.	2.8	98
4	Phlorotannin and Antioxidant Responses Upon Short-term Exposure to UV Radiation and Elevated Temperature in Three South Pacific Kelps. <i>Photochemistry and Photobiology</i> , 2012, 88, 58-66.	2.5	75
5	Induction of Phlorotannins During UV Exposure Mitigates Inhibition of Photosynthesis and DNA Damage in the Kelp <i>Lessonia nigrescens</i> . <i>Photochemistry and Photobiology</i> , 2010, 86, 1056-1063.	2.5	71
6	Interactive effects of UV radiation and enhanced temperature on photosynthesis, phlorotannin induction and antioxidant activities of two sub-Antarctic brown algae. <i>Marine Biology</i> , 2013, 160, 1-13.	1.5	71
7	Ultraviolet-absorbing mycosporine-like amino acids in red macroalgae from Chile. <i>Botanica Marina</i> , 2004, 47, .	1.2	70
8	A Five-year Study of Solar Ultraviolet Radiation in Southern Chile (39° S): Potential Impact on Physiology of Coastal Marine Algae?. <i>Photochemistry and Photobiology</i> , 2006, 82, 515.	2.5	67
9	A High-Resolution Global Map of Giant Kelp (<i>Macrocystis pyrifera</i>) Forests and Intertidal Green Algae (<i>Ulvophyceae</i>) with Sentinel-2 Imagery. <i>Remote Sensing</i> , 2020, 12, 694.	4.0	66
10	The role of ammonium in photoprotection against high irradiance in the red alga <i>Grateloupia lanceola</i> . <i>Aquatic Botany</i> , 2006, 84, 308-316.	1.6	64
11	Morpho-functional patterns and zonation of South Chilean seaweeds: the importance of photosynthetic and bio-optical traits. <i>Marine Ecology - Progress Series</i> , 2011, 422, 77-91.	1.9	57
12	Photosynthesis of the red alga <i>Gracilaria chilensis</i> under natural solar radiation in an estuary in southern Chile. <i>Aquaculture</i> , 2005, 244, 369-382.	3.5	56
13	Remote sensing of albedo-reducing snow algae and impurities in the Maritime Antarctica. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2018, 146, 507-517.	11.1	43
14	Photosynthetic characteristics and UV stress tolerance of Antarctic seaweeds along the depth gradient. <i>Polar Biology</i> , 2013, 36, 1319-1332.	1.2	40
15	Effects of increased seawater temperature on UV tolerance of Antarctic marine macroalgae. <i>Marine Biology</i> , 2015, 162, 1087-1097.	1.5	39
16	Up, Down, and All Around: Scale-Dependent Spatial Variation in Rocky-Shore Communities of Fildes Peninsula, King George Island, Antarctica. <i>PLoS ONE</i> , 2014, 9, e100714.	2.5	38
17	Mapping of spatial and temporal variation of water characteristics through satellite remote sensing in Lake Panguipulli, Chile. <i>Science of the Total Environment</i> , 2019, 679, 196-208.	8.0	34
18	Spectral attenuation of solar radiation in Patagonian fjord and coastal waters and implications for algal photobiology. <i>Continental Shelf Research</i> , 2011, 31, 254-259.	1.8	31

#	ARTICLE	IF	CITATIONS
19	Light acclimation strategies of three commercially important red algal species. <i>Aquaculture</i> , 2010, 299, 140-148.	3.5	30
20	Interacting effects of copper, nitrogen and ultraviolet radiation on the physiology of three south Pacific kelps. <i>Marine and Freshwater Research</i> , 2010, 61, 330.	1.3	27
21	The use of chlorophyll fluorescence for monitoring photosynthetic condition of two tank-cultivated red macroalgae using fishpond effluents. <i>Botanica Marina</i> , 2006, 49, .	1.2	26
22	MORPHO-FUNCTIONAL PATTERNS OF PHOTOSYNTHESIS IN THE SOUTH PACIFIC KELP <i>LESSONIA NIGRESCENS</i> : EFFECTS OF UV RADIATION ON ¹⁴ C FIXATION AND PRIMARY PHOTOCHEMICAL REACTIONS. <i>Journal of Phycology</i> , 2007, 43, 55-64.	2.3	24
23	Lack of Physiological Depth Patterns in Conspecifics of Endemic Antarctic Brown Algae: A Trade-Off between UV Stress Tolerance and Shade Adaptation?. <i>PLoS ONE</i> , 2015, 10, e0134440.	2.5	21
24	Microbial composition and photosynthesis in Antarctic snow algae communities: Integrating metabarcoding and pulse amplitude modulation fluorometry. <i>Algal Research</i> , 2020, 45, 101738.	4.6	20
25	Morpho-functionality of Carbon Metabolism in Seaweeds. <i>Ecological Studies</i> , 2012, , 25-46.	1.2	19
26	Underwater Optics in Sub-Antarctic and Antarctic Coastal Ecosystems. <i>PLoS ONE</i> , 2016, 11, e0154887.	2.5	19
27	Satellite-derived mapping of kelp distribution and water optics in the glacier impacted Yendegaia Fjord (Beagle Channel, Southern Chilean Patagonia). <i>Science of the Total Environment</i> , 2020, 703, 135531.	8.0	19
28	Stress Tolerance of the Endemic Antarctic Brown Alga <i>Desmarestia anceps</i> to ^{UV} Radiation and Temperature is Mediated by High Concentrations of Phlorotannins. <i>Photochemistry and Photobiology</i> , 2016, 92, 455-466.	2.5	18
29	Spatial distribution of phlorotannins and its relationship with photosynthetic UV tolerance and allocation of storage carbohydrates in blades of the kelp <i>Lessonia spicata</i> . <i>Marine Biology</i> , 2016, 163, 1.	1.5	16
30	Bio-optical and physiological patterns in Antarctic seaweeds: A functional trait based approach to characterize vertical zonation. <i>Progress in Oceanography</i> , 2019, 174, 17-27.	3.2	16
31	Phenolics as photoprotective mechanism against combined action of UV radiation and temperature in the red alga <i>Gracilaria chilensis</i> ?. <i>Journal of Applied Phycology</i> , 2018, 30, 1247-1257.	2.8	15
32	Photobiology of the giant kelp <i>Macrocystis pyrifera</i> in the land-terminating glacier fjord Yendegaia (Tierra del Fuego): A look into the future?. <i>Science of the Total Environment</i> , 2021, 751, 141810.	8.0	14
33	^{UV} Sensitivity of Vegetative and Reproductive Tissues of Two Antarctic Brown Algae is Related to Differential Allocation of Phenolic Substances. <i>Photochemistry and Photobiology</i> , 2015, 91, 1382-1388.	2.5	13
34	Stress tolerance of Antarctic macroalgae in the early life stages. <i>Revista Chilena De Historia Natural</i> , 2016, 89, .	1.2	13
35	Water transparency affects the survival of the medusa stage of the invasive freshwater jellyfish <i>Craspedacusta sowerbii</i> . <i>Hydrobiologia</i> , 2018, 817, 179-191.	2.0	12
36	Functional filtering and random processes affect the assembly of microbial communities of snow algae blooms at Maritime Antarctic. <i>Science of the Total Environment</i> , 2022, 805, 150305.	8.0	11

#	ARTICLE	IF	CITATIONS
37	Cold-Temperate Seaweed Communities of the Southern Hemisphere. <i>Ecological Studies</i> , 2012, , 293-313.	1.2	10
38	Uptake of microalgae as sublethal biomarker reveals phototoxicity of oxytetracycline to the crustacean <i>Daphnia magna</i> . <i>Water Research</i> , 2021, 188, 116556.	11.3	10
39	Stress proteins and auxiliary anti stress compounds in intertidal macroalgae. <i>Latin American Journal of Aquatic Research</i> , 2012, 40, 822-834.	0.6	10
40	Different ecological mechanisms lead to similar grazer controls on the functioning of periphyton Antarctic and sub-Antarctic communities. <i>Progress in Oceanography</i> , 2019, 174, 7-16.	3.2	9
41	Antarctic intertidal macroalgae under predicted increased temperatures mediated by global climate change: Would they cope?. <i>Science of the Total Environment</i> , 2020, 740, 140379.	8.0	9
42	Revealing the Characteristics of the Antarctic Snow Alga <i>Chloromonas collina</i> gen. et sp. nov. Through Taxonomy, Physiology, and Transcriptomics. <i>Frontiers in Plant Science</i> , 2021, 12, 662298.	3.6	9
43	Beta Diversity of Antarctic and Sub-Antarctic Benthic Communities Reveals a Major Role of Stochastic Assembly Processes. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	7
44	Photosynthetic characteristics of geographically disjunct seaweeds: A case study on the early life stages of Antarctic and Subantarctic species. <i>Progress in Oceanography</i> , 2019, 174, 28-36.	3.2	5
45	Brown Algal Phlorotannins: An Overview of Their Functional Roles. , 2020, , 365-388.		5
46	Antarctic Seaweeds: Biogeography, Adaptation, and Ecosystem Services. , 2020, , 3-20.		4
47	Ultraviolet radiation stress response of haploid and diploid spores of <i>Mazzaella laminarioides</i> : Do bio-optical traits matter?. <i>Algal Research</i> , 2021, 54, 102230.	4.6	3
48	Phototoxicity. , 2015, , 335-345.		2
49	Life History Strategies, Photosynthesis, and Stress Tolerance in Propagules of Antarctic Seaweeds. , 2020, , 193-215.		2
50	Form and Function in Antarctic Seaweeds: Photobiological Adaptations, Zonation Patterns, and Ecosystem Feedbacks. , 2020, , 217-237.		2
51	Opportunities and challenges for the development of an integrated seaweed-based aquaculture activity in Chile: determining the physiological capabilities of <i>Macrocystis</i> and <i>Gracilaria</i> as biofilters. , 2007, , 121-127.		1
52	Underwater Light Environment of Antarctic Seaweeds. , 2020, , 131-153.		1
53	10. Light and temperature demands of marine benthic microalgae and seaweeds in polar regions. , 2010, , .		0