

Pirjo Huovinen

List of Publications by Year in descending order

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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	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
2	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
3	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
4	Revealing the Characteristics of the Antarctic Snow Alga <i>Chlorominima collina</i> gen. et sp. nov. Through Taxonomy, Physiology, and Transcriptomics. <i>Frontiers in Plant Science</i> , 2021, 12, 662298.	3.6	9
5	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
6	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
7	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
8	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
9	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
10	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
11	Brown Algal Phlorotannins: An Overview of Their Functional Roles. , 2020, , 365-388.		5
12	Antarctic Seaweeds: Biogeography, Adaptation, and Ecosystem Services. , 2020, , 3-20.		4
13	Underwater Light Environment of Antarctic Seaweeds. , 2020, , 131-153.		1
14	Life History Strategies, Photosynthesis, and Stress Tolerance in Propagules of Antarctic Seaweeds. , 2020, , 193-215.		2
15	Form and Function in Antarctic Seaweeds: Photobiological Adaptations, Zonation Patterns, and Ecosystem Feedbacks. , 2020, , 217-237.		2
16	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
17	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
18	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

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19	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
20	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
21	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
22	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
23	Underwater Optics in Sub-Antarctic and Antarctic Coastal Ecosystems. <i>PLoS ONE</i> , 2016, 11, e0154887.	2.5	19
24	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
25	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
26	Stress tolerance of Antarctic macroalgae in the early life stages. <i>Revista Chilena De Historia Natural</i> , 2016, 89, .	1.2	13
27	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
28	Effects of increased seawater temperature on UV tolerance of Antarctic marine macroalgae. <i>Marine Biology</i> , 2015, 162, 1087-1097.	1.5	39
29	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
30	Phototoxicity. , 2015, , 335-345.		2
31	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
32	Photosynthetic characteristics and UV stress tolerance of Antarctic seaweeds along the depth gradient. <i>Polar Biology</i> , 2013, 36, 1319-1332.	1.2	40
33	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
34	Cold-Temperate Seaweed Communities of the Southern Hemisphere. <i>Ecological Studies</i> , 2012, , 293-313.	1.2	10
35	Morpho-functionality of Carbon Metabolism in Seaweeds. <i>Ecological Studies</i> , 2012, , 25-46.	1.2	19
36	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

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37	Stress proteins and auxiliary anti stress compounds in intertidal macroalgae. Latin American Journal of Aquatic Research, 2012, 40, 822-834.	0.6	10
38	Morpho-functional patterns and zonation of South Chilean seaweeds: the importance of photosynthetic and bio-optical traits. Marine Ecology - Progress Series, 2011, 422, 77-91.	1.9	57
39	Spectral attenuation of solar radiation in Patagonian fjord and coastal waters and implications for algal photobiology. Continental Shelf Research, 2011, 31, 254-259.	1.8	31
40	Induction of Phlorotannins During UV Exposure Mitigates Inhibition of Photosynthesis and DNA Damage in the Kelp <i>Lessonia nigrescens</i> . Photochemistry and Photobiology, 2010, 86, 1056-1063.	2.5	71
41	10. Light and temperature demands of marine benthic microalgae and seaweeds in polar regions. , 2010, , .		0
42	Light acclimation strategies of three commercially important red algal species. Aquaculture, 2010, 299, 140-148.	3.5	30
43	Interacting effects of copper, nitrogen and ultraviolet radiation on the physiology of three south Pacific kelps. Marine and Freshwater Research, 2010, 61, 330.	1.3	27
44	Light and temperature demands of marine benthic microalgae and seaweeds in polar regions. Botanica Marina, 2009, 52, 593-608.	1.2	104
45	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. Journal of Applied Phycology, 2008, 20, 571-577.	2.8	98
46	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. Journal of Phycology, 2007, 43, 55-64.	2.3	24
47	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
48	The use of chlorophyll fluorescence for monitoring photosynthetic condition of two tank-cultivated red macroalgae using fishpond effluents. Botanica Marina, 2006, 49, .	1.2	26
49	The role of ammonium in photoprotection against high irradiance in the red alga <i>Grateloupia lanceola</i> . Aquatic Botany, 2006, 84, 308-316.	1.6	64
50	A Five-year Study of Solar Ultraviolet Radiation in Southern Chile (39° S): Potential Impact on Physiology of Coastal Marine Algae?. Photochemistry and Photobiology, 2006, 82, 515.	2.5	67
51	Photosynthesis of the red alga <i>Gracilaria chilensis</i> under natural solar radiation in an estuary in southern Chile. Aquaculture, 2005, 244, 369-382.	3.5	56
52	Ultraviolet-absorbing mycosporine-like amino acids in red macroalgae from Chile. Botanica Marina, 2004, 47, .	1.2	70
53	Patterns of photosynthesis in 18 species of intertidal macroalgae from southern Chile. Marine Ecology - Progress Series, 2004, 270, 103-116.	1.9	106