

Jana Kvderov

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33
papers

334
citations

11
h-index

17
g-index

39
ext. papers

405
ext. citations

1.9
avg, IF

3.99
L-index

#	Paper	IF	Citations
33	In situ response of <i>Nostoc commune</i> s.l. colonies to desiccation in Central Svalbard, Norwegian High Arctic. <i>Fottea</i> , 2011 , 11, 87-97	1.6	39
32	The green alga biomass and polysaccharides production determined using cultivation in crossed gradients of temperature and light. <i>Engineering in Life Sciences</i> , 2017 , 17, 1030-1038	3.4	33
31	Impact of warming on <i>Nostoc</i> colonies (Cyanobacteria) in a wet hummock meadow, Spitsbergen. <i>Polish Polar Research</i> , 2012 , 33, 395-420		30
30	Growth characteristics of selected thermophilic strains of cyanobacteria using crossed gradients of temperature and light. <i>Biologia (Poland)</i> , 2013 , 68, 830-837	1.5	25
29	Ecophysiology of Cyanobacteria in the Polar Regions 2019 , 277-302		24
28	Photochemical performance of the acidophilic red alga <i>Cyanidium</i> sp. in a pH gradient. <i>Origins of Life and Evolution of Biospheres</i> , 2012 , 42, 223-34	1.5	22
27	The effect of ampicillin plus streptomycin on growth and photosynthesis of two halotolerant chlorophyte algae. <i>Journal of Applied Phycology</i> , 2005 , 17, 301-307	3.2	22
26	Research on cryosestic communities in Svalbard: the snow algae of temporary snowfields in Petuniabukta, Central Svalbard. <i>Czech Polar Reports</i> , 2012 , 2, 8-19	0.8	18
25	Nitrogen fixation and diurnal changes of photosynthetic activity in Arctic soil crusts at different development stage. <i>European Journal of Soil Biology</i> , 2017 , 79, 21-30	2.9	16
24	The comparison of ecological characteristics of <i>Stichococcus</i> (Chlorophyta) strains isolated from polar and temperate regions. <i>Algological Studies</i> , 2005 , 118, 127-140		14
23	Rapid algal toxicity assay using variable chlorophyll fluorescence for <i>Chlorella kessleri</i> (chlorophyta). <i>Environmental Toxicology</i> , 2010 , 25, 554-63	4.2	12
22	Characterization of the Community of Snow Algae and Their Photochemical Performance in situ in the Giant Mountains, Czech Republic. <i>Arctic, Antarctic, and Alpine Research</i> , 2010 , 42, 210-218	1.8	11
21	Identity, ecology and ecophysiology of planktic green algae dominating in ice-covered lakes on James Ross Island (northeastern Antarctic Peninsula). <i>Extremophiles</i> , 2017 , 21, 187-200	3	8
20	Platinum anniversary: virus and lichen alga together more than 70 years. <i>PLoS ONE</i> , 2015 , 10, e0120768	3.7	8
19	Nutrient requirements of polar <i>Chlorella</i> -like species. <i>Czech Polar Reports</i> , 2011 , 1, 1-10	0.8	6
18	The cultivation of <i>Phaeodactylum tricornutum</i> in crossed gradients of temperature and light. <i>Algological Studies</i> , 2003 , 110, 67-80		5
17	The ice nucleation activity of extremophilic algae. <i>Cryo-Letters</i> , 2013 , 34, 137-48	0.3	5

16	Estimation of growth and exopolysaccharide production by two soil cyanobacteria, and as determined by cultivation in irradiance and temperature crossed gradients. <i>Engineering in Life Sciences</i> , 2019 , 19, 184-195	3.4	4
15	A Laboratory of Extremophiles: Iceland Coordination Action for Research Activities on Life in Extreme Environments (CAREX) Field Campaign. <i>Life</i> , 2013 , 3, 211-33	3	3
14	Standardized algal growth potential and/or algal primary production rates of maritime Antarctic stream waters (King George Island, South Shetlands). <i>Polar Research</i> , 2013 , 32, 11191	2	3
13	Internal structure and photosynthetic performance of Nostoc sp. colonies in the high Arctic. <i>Acta Societatis Botanicorum Poloniae</i> , 2018 , 87,	1.5	3
12	The first description of snow algae on Mount Olympus (Greece). <i>Nova Hedwigia</i> , 2016 , 103, 457-473	1.3	3
11	Ecophysiology of photosynthesis of Vaucheria sp. mats in a Svalbard tidal flat. <i>Polar Science</i> , 2019 , 21, 172-185	2.3	3
10	Response of short-term heat shock on photosynthetic activity of soil crust cyanobacteria. <i>Protoplasma</i> , 2020 , 257, 61-73	3.4	3
9	Sample database of the Centre for Polar Ecology - Database design and data management. <i>Czech Polar Reports</i> , 2014 , 4, 140-148	0.8	2
8	Exploitation of databases in polar research - Data evaluation and outputs. <i>Czech Polar Reports</i> , 2015 , 5, 143-159	0.8	2
7	Perspectives of Low-Temperature Biomass Production of Polar Microalgae and Biotechnology Expansion into High Latitudes 2017 , 585-600		2
6	Ecophysiological Features of Polar Soil Unicellular Microalgae. <i>Journal of Phycology</i> , 2020 , 56, 481-495	3	2
5	Annual Cycle of Mat-Forming Filamentous Alga Tribonema cf. minus (Stramenopiles, Xanthophyceae) in Hydro-Terrestrial Habitats in the High Arctic Revealed By Multiparameter Fluorescent Staining. <i>Journal of Phycology</i> , 2021 , 57, 780-796	3	2
4	Photosynthetic activity of Arctic Vaucheria (Xanthophyceae) measured in microcosmos. <i>Czech Polar Reports</i> , 2017 , 7, 52-61	0.8	1
3	Life in a Hypervariable Environment. <i>Cellular Origin and Life in Extreme Habitats</i> , 2007 , 681-694		1
2	Biofilm 2014 , 1-3		
1	Adaptation/acclimatisation mechanisms of oxyphototrophic microorganisms and their relevance to astrobiology 2020 , 319-342		