

Jana Kvderov

List of Publications by Year in Descending Order

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Version: 2024-04-20

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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	Annual Cycle of Mat-Forming Filamentous Alga <i>Tribonema cf. minus</i> (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
32	Ecophysiological Features of Polar Soil Unicellular Microalgae. <i>Journal of Phycology</i> , 2020 , 56, 481-495	3	2
31	Adaptation/acclimatisation mechanisms of oxyphototrophic microorganisms and their relevance to astrobiology 2020 , 319-342		
30	Response of short-term heat shock on photosynthetic activity of soil crust cyanobacteria. <i>Protoplasma</i> , 2020 , 257, 61-73	3.4	3
29	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
28	Ecophysiology of Cyanobacteria in the Polar Regions 2019 , 277-302		24
27	Ecophysiology of photosynthesis of <i>Vaucheria</i> sp. mats in a Svalbard tidal flat. <i>Polar Science</i> , 2019 , 21, 172-185	2.3	3
26	Internal structure and photosynthetic performance of <i>Nostoc</i> sp. colonies in the high Arctic. <i>Acta Societatis Botanicorum Poloniae</i> , 2018 , 87,	1.5	3
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	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
23	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
22	Photosynthetic activity of Arctic <i>Vaucheria</i> (Xanthophyceae) measured in microcosmos. <i>Czech Polar Reports</i> , 2017 , 7, 52-61	0.8	1
21	Perspectives of Low-Temperature Biomass Production of Polar Microalgae and Biotechnology Expansion into High Latitudes 2017 , 585-600		2
20	The first description of snow algae on Mount Olympus (Greece). <i>Nova Hedwigia</i> , 2016 , 103, 457-473	1.3	3
19	Platinum anniversary: virus and lichen alga together more than 70 years. <i>PLoS ONE</i> , 2015 , 10, e0120768	3.7	8
18	Exploitation of databases in polar research - Data evaluation and outputs. <i>Czech Polar Reports</i> , 2015 , 5, 143-159	0.8	2
17	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

16 Biofilm **2014**, 1-3

15 Growth characteristics of selected thermophilic strains of cyanobacteria using crossed gradients of temperature and light. *Biologia (Poland)*, **2013**, 68, 830-837 1.5 25

14 A Laboratory of Extremophiles: Iceland Coordination Action for Research Activities on Life in Extreme Environments (CAREX) Field Campaign. *Life*, **2013**, 3, 211-33 3 3

13 Standardized algal growth potential and/or algal primary production rates of maritime Antarctic stream waters (King George Island, South Shetlands). *Polar Research*, **2013**, 32, 11191 2 3

12 The ice nucleation activity of extremophilic algae. *Cryo-Letters*, **2013**, 34, 137-48 0.3 5

11 Photochemical performance of the acidophilic red alga *Cyanidium* sp. in a pH gradient. *Origins of Life and Evolution of Biospheres*, **2012**, 42, 223-34 1.5 22

10 Impact of warming on *Nostoc* colonies (Cyanobacteria) in a wet hummock meadow, Spitsbergen. *Polish Polar Research*, **2012**, 33, 395-420 30

9 Research on cryosestic communities in Svalbard: the snow algae of temporary snowfields in Petuniabukta, Central Svalbard. *Czech Polar Reports*, **2012**, 2, 8-19 0.8 18

8 In situ response of *Nostoc commune* s.l. colonies to desiccation in Central Svalbard, Norwegian High Arctic. *Fottea*, **2011**, 11, 87-97 1.6 39

7 Nutrient requirements of polar *Chlorella*-like species. *Czech Polar Reports*, **2011**, 1, 1-10 0.8 6

6 Characterization of the Community of Snow Algae and Their Photochemical Performance in situ in the Giant Mountains, Czech Republic. *Arctic, Antarctic, and Alpine Research*, **2010**, 42, 210-218 1.8 11

5 Rapid algal toxicity assay using variable chlorophyll fluorescence for *Chlorella kessleri* (chlorophyta). *Environmental Toxicology*, **2010**, 25, 554-63 4.2 12

4 Life in a Hypervariable Environment. *Cellular Origin and Life in Extreme Habitats*, **2007**, 681-694 1

3 The comparison of ecological characteristics of *Stichococcus* (Chlorophyta) strains isolated from polar and temperate regions. *Algological Studies*, **2005**, 118, 127-140 14

2 The effect of ampicillin plus streptomycin on growth and photosynthesis of two halotolerant chlorophyte algae. *Journal of Applied Phycology*, **2005**, 17, 301-307 3.2 22

1 The cultivation of *Phaeodactylum tricornutum* in crossed gradients of temperature and light. *Algological Studies*, **2003**, 110, 67-80 5