Konstantin A Chekanov

List of Publications by Year
in descending order

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37	748	516710	552781
papers	citations	16	26
		h-index	g-index

37	37	37	776
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Accumulation of Astaxanthin by a New Haematococcus pluvialis Strain BM1 from the White Sea Coastal Rocks (Russia). Marine Drugs, 2014, 12, 4504-4520.	4.6	96
2	Phycoremediation of alcohol distillery wastewater with a novel Chlorella sorokiniana strain cultivated in a photobioreactor monitored on-line via chlorophyll fluorescence. Algal Research, 2014, 6, 234-241.	4.6	78
3	Effects of CO 2 enrichment on primary photochemistry, growth and astaxanthin accumulation in the chlorophyte Haematococcus pluvialis. Journal of Photochemistry and Photobiology B: Biology, 2017, 171, 58-66.	3.8	53
4	Downregulation of a putative plastid PDC E1Î± subunit impairs photosynthetic activity and triacylglycerol accumulation in nitrogen-starved photoautotrophic Chlamydomonas reinhardtii. Journal of Experimental Botany, 2014, 65, 6563-6576.	4.8	44
5	Similarity and diversity of the Desmodesmus spp. microalgae isolated from associations with White Sea invertebrates. Protoplasma, 2015, 252, 489-503.	2.1	37
6	Stress-induced secondary carotenogenesis in Coelastrella rubescens (Scenedesmaceae, Chlorophyta), a producer of value-added keto-carotenoids. Algae, 2017, 32, 245-259.	2.3	34
7	Modulation of photosynthetic activity and photoprotection in Haematococcus pluvialis cells during their conversion into haematocysts and back. Photosynthesis Research, 2016, 128, 313-323.	2.9	30
8	Production of Biomass and Bioactive Compounds Using Bioreactor Technology. , 2014, , .		29
9	Combined Production of Astaxanthin and Î²-Carotene in a New Strain of the Microalga Bracteacoccus aggregatus BM5/15 (IPPAS C-2045) Cultivated in Photobioreactor. Biology, 2021, 10, 643.	2.8	25
10	Gut microbiome of the White Sea fish revealed by 16S rRNA metabarcoding. Aquaculture, 2021, 533, 736175.	3.5	23
11	New bio-hybrid materials for bioremoval of crude oil spills from marine waters. International Biodeterioration and Biodegradation, 2016, 108, 99-107.	3.9	22
12	pH and CO2 effects on Coelastrella (Scotiellopsis) rubescens growth and metabolism. Russian Journal of Plant Physiology, 2016, 63, 566-574.	1.1	21
13	Immobilization of microalgae on the surface of new cross-linked polyethylenimine-based sorbents. Journal of Biotechnology, 2018, 281, 31-38.	3.8	21
14	Non-photochemical quenching in the cells of the carotenogenic chlorophyte Haematococcus lacustris under favorable conditions and under stress. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 1429-1442.	2.4	20
15	Sunscreen Effect Exerted by Secondary Carotenoids and Mycosporine-like Amino Acids in the Aeroterrestrial Chlorophyte Coelastrella rubescens under High Light and UV-A Irradiation. Plants, 2021, 10, 2601.	3.5	18
16	Induction of secondary carotenogenesis in new halophile microalgae from the genus Dunaliella (Chlorophyceae). Biochemistry (Moscow), 2015, 80, 1508-1513.	1.5	17
17	A new subarctic strain of Tetradesmus obliquusâ€"part I: identification and fatty acid profiling. Journal of Applied Phycology, 2018, 30, 2737-2750.	2.8	17
18	Natural Communities of Carotenogenic Chlorophyte Haematococcus lacustris and Bacteria from the White Sea Coastal Rock Ponds. Microbial Ecology, 2020, 79, 785-800.	2.8	16

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19	Diversity of carotenogenic microalgae in the White Sea polar region. FEMS Microbiology Ecology, 2020, 96, .	2.7	15
20	Cyanobacterial diversity in the algalâ€“bacterial consortia from Subarctic regions: new insights from the rock baths at White Sea Coast. Hydrobiologia, 2019, 830, 17-31.	2.0	15
21	Reduction of photosynthetic apparatus plays a key role in survival of the microalga Haematococcus pluvialis (Chlorophyceae) at freezing temperatures. Photosynthetica, 2018, 56, 1268-1277.	1.7	15
22	Possibilities and limitations of non-destructive monitoring of the unicellular green microalgae (Chlorophyta) in the course of balanced growth. Russian Journal of Plant Physiology, 2015, 62, 270-278.	1.1	11
23	Eukaryotic Sequences in the 16Sr<scp>RNA</scp> Metagenomic Dataset of Algalâ€“bacterial Consortia of the White Sea Coastal Zone. Journal of Eukaryotic Microbiology, 2019, 66, 853-856.	1.7	11
24	The strains of bioluminescent bacteria isolated from the White Sea finfishes: genera Photobacterium, Aliivibrio, Vibrio, Shewanella, and first luminous Kosakonia. Journal of Photochemistry and Photobiology B: Biology, 2020, 208, 111895.	3.8	11
25	Production of Carotenoids Using Microalgae Cultivated in Photobioreactors. , 2014, , 63-91.		10
26	In vitro Biofilm Formation by Bioluminescent Bacteria Isolated from the Marine Fish Gut. Microbial Ecology, 2021, 81, 932-940.	2.8	10
27	The Dynamics of the Bacterial Community of the Photobioreactor-Cultivated Green Microalga Haematococcus lacustris during Stress-Induced Astaxanthin Accumulation. Biology, 2021, 10, 115.	2.8	10
28	Identification and Morphological-Physiological Characterization of Astaxanthin Producer Strains of Haematococcus pluvialis from the Black Sea Region. Applied Biochemistry and Microbiology, 2018, 54, 639-648.	0.9	9
29	The microalga Haematococcus lacustris (Chlorophyceae) forms natural biofilms in supralittoral White Sea coastal rock ponds. Planta, 2020, 252, 37.	3.2	9
30	Spatial organization of the threeâ€component lichen Peltigera aphthosa in functional terms. Physiologia Plantarum, 2017, 160, 328-338.	5.2	6
31	Revealing of Non-Cultivable Bacteria Associated with the Mycelium of Fungi in the Kerosene-Degrading Community Isolated from the Contaminated Jet Fuel. Journal of Fungi (Basel, Switzerland), 2021, 7, 43.	3.5	6
32	Differential Responses to UV-A Stress Recorded in Carotenogenic Microalgae Haematococcus rubicundus, Bracteacoccus aggregatus, and Deasonia sp.. Plants, 2022, 11, 1431.	3.5	5
33	ASSESSMENT OF A NEW CHLORELLA VULGARIS (CHLOROPHYTA) IPPAS C-2015 STRAIN FOR APPLICATION IN POULTRY WASTEWATER BIOREMEDIATION. Biotekhnologiya, 2016, , 72-81.	0.1	3
34	Photosynthesis measurements on the upper and lower side of the thallus of the foliose lichen Nephroma arcticum (L.) Torss. Photosynthesis Research, 2021, 149, 289-301.	2.9	1
35	THE DIVERSITY OF CAROTENOGENIC MICROALGAE OF THE KANDALAKSHA BAY OF THE WHITE SEA SUBPOLAR REGION. , 2018, , .		0
36	STRESS-TOLERANT MICROBIAL CONSORTIA CONTAINING THE CAROTENOGENETIC GREEN MICROALGA HAEMATOCOCCUS LACUSTRIS AND CYANOBACTERIA IN THE SUPRALITTORAL ZONE OF THE WHITE SEA. , 2018, , .		0

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37	Formation of the phosphate-resistant communities of microalgae and bacteria in the subpolar waters. Limnology and Freshwater Biology, 2020, , 993-994.	0.2	0