

# Konstantin A Chekanov

## List of Publications by Year in descending order

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37  
papers

748  
citations

516710

16  
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26  
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37  
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37  
docs citations

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776  
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#	ARTICLE	IF	CITATIONS
1	Differential Responses to UV-A Stress Recorded in Carotenogenic Microalgae <i>Haematococcus rubicundus</i> , <i>Bracteacoccus aggregatus</i> , and <i>Deasonia</i> sp.. <i>Plants</i> , 2022, 11, 1431.	3.5	5
2	Gut microbiome of the White Sea fish revealed by 16S rRNA metabarcoding. <i>Aquaculture</i> , 2021, 533, 736175.	3.5	23
3	In vitro Biofilm Formation by Bioluminescent Bacteria Isolated from the Marine Fish Gut. <i>Microbial Ecology</i> , 2021, 81, 932-940.	2.8	10
4	Revealing of Non-Cultivable Bacteria Associated with the Mycelium of Fungi in the Kerosene-Degrading Community Isolated from the Contaminated Jet Fuel. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 43.	3.5	6
5	The Dynamics of the Bacterial Community of the Photobioreactor-Cultivated Green Microalga <i>Haematococcus lacustris</i> during Stress-Induced Astaxanthin Accumulation. <i>Biology</i> , 2021, 10, 115.	2.8	10
6	Combined Production of Astaxanthin and $\beta$ -Carotene in a New Strain of the Microalga <i>Bracteacoccus aggregatus</i> BM5/15 (IPPAS C-2045) Cultivated in Photobioreactor. <i>Biology</i> , 2021, 10, 643.	2.8	25
7	Photosynthesis measurements on the upper and lower side of the thallus of the foliose lichen <i>Nephroma arcticum</i> (L.) Torss. <i>Photosynthesis Research</i> , 2021, 149, 289-301.	2.9	1
8	Sunscreen Effect Exerted by Secondary Carotenoids and Mycosporine-like Amino Acids in the Aeroterrestrial Chlorophyte <i>Coelastrella rubescens</i> under High Light and UV-A Irradiation. <i>Plants</i> , 2021, 10, 2601.	3.5	18
9	Diversity of carotenogenic microalgae in the White Sea polar region. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	2.7	15
10	Natural Communities of Carotenogenic Chlorophyte <i>Haematococcus lacustris</i> and Bacteria from the White Sea Coastal Rock Ponds. <i>Microbial Ecology</i> , 2020, 79, 785-800.	2.8	16
11	The microalga <i>Haematococcus lacustris</i> (Chlorophyceae) forms natural biofilms in supralittoral White Sea coastal rock ponds. <i>Planta</i> , 2020, 252, 37.	3.2	9
12	The strains of bioluminescent bacteria isolated from the White Sea finfishes: genera <i>Photobacterium</i> , <i>Aliivibrio</i> , <i>Vibrio</i> , <i>Shewanella</i> , and first luminous <i>Kosakonia</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 208, 111895.	3.8	11
13	Formation of the phosphate-resistant communities of microalgae and bacteria in the subpolar waters. <i>Limnology and Freshwater Biology</i> , 2020, , 993-994.	0.2	0
14	Non-photochemical quenching in the cells of the carotenogenic chlorophyte <i>Haematococcus lacustris</i> under favorable conditions and under stress. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 1429-1442.	2.4	20
15	Eukaryotic Sequences in the 16S rRNA Metagenomic Dataset of Algal-bacterial Consortia of the White Sea Coastal Zone. <i>Journal of Eukaryotic Microbiology</i> , 2019, 66, 853-856.	1.7	11
16	Cyanobacterial diversity in the algal-bacterial consortia from Subarctic regions: new insights from the rock baths at White Sea Coast. <i>Hydrobiologia</i> , 2019, 830, 17-31.	2.0	15
17	Immobilization of microalgae on the surface of new cross-linked polyethylenimine-based sorbents. <i>Journal of Biotechnology</i> , 2018, 281, 31-38.	3.8	21
18	A new subarctic strain of <i>Tetradesmus obliquus</i> part I: identification and fatty acid profiling. <i>Journal of Applied Phycology</i> , 2018, 30, 2737-2750.	2.8	17

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19	Identification and Morphological-Physiological Characterization of Astaxanthin Producer Strains of <i>Haematococcus pluvialis</i> from the Black Sea Region. <i>Applied Biochemistry and Microbiology</i> , 2018, 54, 639-648.	0.9	9
20	Reduction of photosynthetic apparatus plays a key role in survival of the microalga <i>Haematococcus pluvialis</i> (Chlorophyceae) at freezing temperatures. <i>Photosynthetica</i> , 2018, 56, 1268-1277.	1.7	15
21	THE DIVERSITY OF CAROTENOGENIC MICROALGAE OF THE KANDALAKSHA BAY OF THE WHITE SEA SUBPOLAR REGION. , 2018, , .		0
22	STRESS-TOLERANT MICROBIAL CONSORTIA CONTAINING THE CAROTENOGENETIC GREEN MICROALGA <i>HAEMATOCOCCUS LACUSTRIS</i> AND CYANOBACTERIA IN THE SUPRALITTORAL ZONE OF THE WHITE SEA. , 2018, , .		0
23	Spatial organization of the three-component lichen <i>Peltigera aphthosa</i> in functional terms. <i>Physiologia Plantarum</i> , 2017, 160, 328-338.	5.2	6
24	Effects of CO <sub>2</sub> enrichment on primary photochemistry, growth and astaxanthin accumulation in the chlorophyte <i>Haematococcus pluvialis</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 171, 58-66.	3.8	53
25	Stress-induced secondary carotenogenesis in <i>Coelastrella rubescens</i> (Scenedesmaceae, Chlorophyta), a producer of value-added keto-carotenoids. <i>Algae</i> , 2017, 32, 245-259.	2.3	34
26	pH and CO <sub>2</sub> effects on <i>Coelastrella (Scotiellopsis) rubescens</i> growth and metabolism. <i>Russian Journal of Plant Physiology</i> , 2016, 63, 566-574.	1.1	21
27	Modulation of photosynthetic activity and photoprotection in <i>Haematococcus pluvialis</i> cells during their conversion into haematocysts and back. <i>Photosynthesis Research</i> , 2016, 128, 313-323.	2.9	30
28	New bio-hybrid materials for bioremoval of crude oil spills from marine waters. <i>International Biodeterioration and Biodegradation</i> , 2016, 108, 99-107.	3.9	22
29	ASSESSMENT OF A NEW <i>CHLORELLA VULGARIS</i> (CHLOROPHYTA) IPPAS C-2015 STRAIN FOR APPLICATION IN POULTRY WASTEWATER BIOREMEDIATION. <i>Biotekhnologiya</i> , 2016, , 72-81.	0.1	3
30	Induction of secondary carotenogenesis in new halophile microalgae from the genus <i>Dunaliella</i> (Chlorophyceae). <i>Biochemistry (Moscow)</i> , 2015, 80, 1508-1513.	1.5	17
31	Possibilities and limitations of non-destructive monitoring of the unicellular green microalgae (Chlorophyta) in the course of balanced growth. <i>Russian Journal of Plant Physiology</i> , 2015, 62, 270-278.	1.1	11
32	Similarity and diversity of the <i>Desmodesmus</i> spp. microalgae isolated from associations with White Sea invertebrates. <i>Protoplasma</i> , 2015, 252, 489-503.	2.1	37
33	Production of Biomass and Bioactive Compounds Using Bioreactor Technology. , 2014, , .		29
34	Downregulation of a putative plastid PDC E1 $\alpha$ subunit impairs photosynthetic activity and triacylglycerol accumulation in nitrogen-starved photoautotrophic <i>Chlamydomonas reinhardtii</i> . <i>Journal of Experimental Botany</i> , 2014, 65, 6563-6576.	4.8	44
35	Production of Carotenoids Using Microalgae Cultivated in Photobioreactors. , 2014, , 63-91.		10
36	Phycoremediation of alcohol distillery wastewater with a novel <i>Chlorella sorokiniana</i> strain cultivated in a photobioreactor monitored on-line via chlorophyll fluorescence. <i>Algal Research</i> , 2014, 6, 234-241.	4.6	78

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37	Accumulation of Astaxanthin by a New Haematococcus pluvialis Strain BM1 from the White Sea Coastal Rocks (Russia). <i>Marine Drugs</i> , 2014, 12, 4504-4520.	4.6	96