Alexei E Solovchenko

List of Publications by Year
in descending order

140 papers	5,386 citations	70961 41 h-index	95083 68 g-index
148 all docs	148 docs citations	148 times ranked	5169 citing authors

#	Article	IF	Citations
1	Reflectance spectral features and non-destructive estimation of chlorophyll, carotenoid and anthocyanin content in apple fruit. Postharvest Biology and Technology, 2003, 27, 197-211.	2.9	319
2	Effects of light intensity and nitrogen starvation on growth, total fatty acids and arachidonic acid in the green microalga Parietochloris incisa. Journal of Applied Phycology, 2008, 20, 245-251.	1.5	293
3	Significance of skin flavonoids for UV-B-protection in apple fruits. Journal of Experimental Botany, 2003, 54, 1977-1984.	2.4	202
4	Light absorption by anthocyanins in juvenile, stressed, and senescing leaves. Journal of Experimental Botany, 2008, 59, 3903-3911.	2.4	188
5	Phosphorus from wastewater to crops: An alternative path involving microalgae. Biotechnology Advances, 2016, 34, 550-564.	6.0	186
6	Physiological role of neutral lipid accumulation in eukaryotic microalgae under stresses. Russian Journal of Plant Physiology, 2012, 59, 167-176.	0.5	182
7	Screening of visible and UV radiation as a photoprotective mechanism in plants. Russian Journal of Plant Physiology, 2008, 55, 719-737.	0.5	163
8	Application of Reflectance Spectroscopy for Analysis of Higher Plant Pigments. Russian Journal of Plant Physiology, 2003, 50, 704-710.	0.5	140
9	High-CO2 tolerance in microalgae: possible mechanisms and implications for biotechnology and bioremediation. Biotechnology Letters, 2013, 35, 1745-1752.	1.1	123
10	EFFECT OF NITROGEN STARVATION ON OPTICAL PROPERTIES, PIGMENTS, AND ARACHIDONIC ACID CONTENT OF THE UNICELLULAR GREEN ALGA <i>PARIETOCHLORIS INCISA</i> (TREBOUXIOPHYCEAE,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 377 T	1.0	120
11	Patterns of pigment changes in apple fruits during adaptation to high sunlight and sunscald development. Plant Physiology and Biochemistry, 2002, 40, 679-684.	2.8	105
12	Luxury phosphorus uptake in microalgae. Journal of Applied Phycology, 2019, 31, 2755-2770.	1.5	103
13	Optical properties and contribution of cuticle to UV protection in plants: experiments with apple fruit. Photochemical and Photobiological Sciences, 2003, 2, 861.	1.6	101
14	Recent breakthroughs in the biology of astaxanthin accumulation by microalgal cell. Photosynthesis Research, 2015, 125, 437-449.	1.6	98
15	Photostability of pigments in ripening apple fruit: a possible photoprotective role of carotenoids during plant senescence. Plant Science, 2002, 163, 881-888.	1.7	97
16	Accumulation of Astaxanthin by a New Haematococcus pluvialis Strain BM1 from the White Sea Coastal Rocks (Russia). Marine Drugs, 2014, 12, 4504-4520.	2.2	96
17	Multiple drivers of seasonal change in PRI: Implications for photosynthesis 1. Leaf level. Remote Sensing of Environment, 2017, 191, 110-116.	4.6	87
18	Multiple drivers of seasonal change in PRI: Implications for photosynthesis 2. Stand level. Remote Sensing of Environment, 2017, 190, 198-206.	4.6	84

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19	Apple flavonols during fruit adaptation to solar radiation: spectral features and technique for non-destructive assessment. Journal of Plant Physiology, 2005, 162, 151-160.	1.6	81
20	Stress-Induced Changes in Optical Properties, Pigment and Fatty Acid Content of Nannochloropsis sp.: Implications for Non-destructive Assay of Total Fatty Acids. Marine Biotechnology, 2011, 13, 527-535.	1.1	81
21	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.	2.4	78
22	Phosphorus starvation and luxury uptake in green microalgae revisited. Algal Research, 2019, 43, 101651.	2.4	71
23	COORDINATED CAROTENOID AND LIPID SYNTHESES INDUCED IN PARIETOCHLORIS INCISA (CHLOROPHYTA,) Tj ETQq1 1 0.784314 rgB Journal of Phycology, 2010, 46, 763-772.	1.0	69
24	Effects of light and nitrogen starvation on the content and composition of carotenoids of the green microalga Parietochloris incisa. Russian Journal of Plant Physiology, 2008, 55, 455-462.	0.5	68
25	A Spectrophotometric Analysis of Pigments in Apples. Russian Journal of Plant Physiology, 2001, 48, 693-700.	0.5	65
26	Growth, lipid production and metabolic adjustments in the euryhaline eustigmatophyte Nannochloropsis oceanica CCALA 804 in response to osmotic downshift. Applied Microbiology and Biotechnology, 2013, 97, 8291-8306.	1.7	65
27	Photoprotection in Plants. Springer Series in Biophysics, 2010, , .	0.4	64
28	Relationships between chlorophyll and carotenoid pigments during on- and off-tree ripening of apple fruit as revealed non-destructively with reflectance spectroscopy. Postharvest Biology and Technology, 2005, 38, 9-17.	2.9	62
29	Carotenoid-to-chlorophyll ratio as a proxy for assay of total fatty acids and arachidonic acid content in the green microalga Parietochloris incisa. Journal of Applied Phycology, 2009, 21, 361-366.	1.5	62
30	Physiology and adaptive significance of secondary carotenogenesis in green microalgae. Russian Journal of Plant Physiology, 2013, 60, 1-13.	0.5	61
31	Probing the effects of high-light stress on pigment and lipid metabolism in nitrogen-starving microalgae by measuring chlorophyll fluorescence transients: Studies with a Î”5 desaturase mutant of Parietochloris incisa (Chlorophyta, Trebouxiophyceae). Algal Research, 2013, 2, 175-182.	2.4	57
32	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.	1.7	53
33	Generic Algorithms for Estimating Foliar Pigment Content. Geophysical Research Letters, 2017, 44, 9293-9298.	1.5	52
34	Flashing light enhancement of photosynthesis and growth occurs when photochemistry and photoprotection are balanced in<i>Dunaliella salina</i>. European Journal of Phycology, 2015, 50, 469-480.	0.9	49
35	Versatility of the green microalga cell vacuole function as revealed by analytical transmission electron microscopy. Protoplasma, 2017, 254, 1323-1340.	1.0	49
36	Non-invasive quantification of foliar pigments: Possibilities and limitations of reflectance- and absorbance-based approaches. Journal of Photochemistry and Photobiology B: Biology, 2018, 178, 537-544.	1.7	49

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37	Interactive effects of salinity, high light, and nitrogen starvation on fatty acid and carotenoid profiles in <i>Nannochloropsis oceanica</i> CCALA 804. European Journal of Lipid Science and Technology, 2014, 116, 635-644.	1.0	48
38	Elevated sunlight promotes ripening-associated pigment changes in apple fruit. Postharvest Biology and Technology, 2006, 40, 183-189.	2.9	46
39	Optical properties of rhodoxanthin accumulated in Aloe arborescens Mill. leaves under high-light stress with special reference to its photoprotective function. Photochemical and Photobiological Sciences, 2005, 4, 333.	1.6	44
40	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.	2.4	44
41	Carotenogenic response in photosynthetic organisms: a colorful story. Photosynthesis Research, 2017, 133, 31-47.	1.6	44
42	Effect of nitrogen source on the growth, lipid, and valuable carotenoid production in the green microalga Chromochloris zofingiensis. Journal of Applied Phycology, 2020, 32, 923-935.	1.5	43
43	Raman microscopy shows that nitrogen-rich cellular inclusions in microalgae are microcrystalline guanine. Algal Research, 2017, 23, 216-222.	2.4	39
44	Pigment composition, optical properties, and resistance to photodamage of the microalga Haematococcus pluvialis cultivated under high light. Russian Journal of Plant Physiology, 2011, 58, 9-17.	0.5	37
45	Similarity and diversity of the Desmodesmus spp. microalgae isolated from associations with White Sea invertebrates. Protoplasma, 2015, 252, 489-503.	1.0	37
46	Metabolomic foundation for differential responses of lipid metabolism to nitrogen and phosphorus deprivation in an arachidonic acid-producing green microalga. Plant Science, 2019, 283, 95-115.	1.7	35
47	Nutrient removal and biodiesel feedstock potential of green alga UHCC00027 grown in municipal wastewater under Nordic conditions. Algal Research, 2017, 26, 65-73.	2.4	34
48	Stress-induced secondary carotenogenesis in Coelastrella rubescens (Scenedesmaceae, Chlorophyta), a producer of value-added keto-carotenoids. Algae, 2017, 32, 245-259.	0.9	34
49	Derivation of canopy light absorption coefficient from reflectance spectra. Remote Sensing of Environment, 2019, 231, 111276.	4.6	31
50	A novel CO 2 -tolerant symbiotic Desmodesmus (Chlorophyceae, Desmodesmaceae): Acclimation to and performance at a high carbon dioxide level. Algal Research, 2015, 11, 399-410.	2.4	30
51	Modulation of photosynthetic activity and photoprotection in Haematococcus pluvialis cells during their conversion into haematocysts and back. Photosynthesis Research, 2016, 128, 313-323.	1.6	30
52	Guanine, a high-capacity and rapid-turnover nitrogen reserve in microalgal cells. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32722-32730.	3.3	30
53	Light absorption and scattering by cell suspensions of some cyanobacteria and microalgae. Russian Journal of Plant Physiology, 2008, 55, 420-425.	0.5	28
54	Coordinated rearrangements of assimilatory and storage cell compartments in a nitrogen-starving symbiotic chlorophyte cultivated under high light. Archives of Microbiology, 2015, 197, 181-195.	1.0	28

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55	In situ optical properties of foliar flavonoids: Implication for non-destructive estimation of flavonoid content. Journal of Plant Physiology, 2017, 218, 258-264.	1.6	27
56	Immobilized microalgae in biotechnology. Moscow University Biological Sciences Bulletin, 2016, 71, 170-176.	0.1	25
57	Foliar absorption coefficient derived from reflectance spectra: A gauge of the efficiency of in situ light-capture by different pigment groups. Journal of Plant Physiology, 2020, 254, 153277.	1.6	24
58	Arachidonic acid is important for efficient use of light by the microalga Lobosphaera incisa under chilling stress. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 853-868.	1.2	23
59	Phosphorus Feast and Famine in Cyanobacteria: Is Luxury Uptake of the Nutrient Just a Consequence of Acclimation to Its Shortage?. Cells, 2020, 9, 1933.	1.8	23
60	Bio-inspired materials for nutrient biocapture from wastewater: Microalgal cells immobilized on chitosan-based carriers. Journal of Water Process Engineering, 2021, 40, 101774.	2.6	23
61	Essential Role of Potassium in Apple and Its Implications for Management of Orchard Fertilization. Plants, 2021, 10, 2624.	1.6	23
62	Stress-induced changes in pigment and fatty acid content in the microalga Desmodesmus sp. Isolated from a White Sea hydroid. Russian Journal of Plant Physiology, 2013, 60, 313-321.	0.5	22
63	Lipidome Remodeling and Autophagic Respose in the Arachidonic-Acid-Rich Microalga Lobosphaera incisa Under Nitrogen and Phosphorous Deprivation. Frontiers in Plant Science, 2020, 11, 614846.	1.7	22
64	A novel source of dihomoâ€Î³â€linolenic acid: Possibilities and limitations of DGLA production in the highâ€density cultures of the Î”5 desaturaseâ€mutant microalga <i>Lobosphaera incisa</i>. European Journal of Lipid Science and Technology, 2015, 117, 760-766.	1.0	21
65	pH and CO2 effects on Coelastrella (Scotiellopsis) rubescens growth and metabolism. Russian Journal of Plant Physiology, 2016, 63, 566-574.	0.5	21
66	Immobilization of microalgae on the surface of new cross-linked polyethylenimine-based sorbents. Journal of Biotechnology, 2018, 281, 31-38.	1.9	21
67	Photosynthetic hydrogen production as acclimation mechanism in nutrient-deprived Chlamydomonas. Algal Research, 2020, 49, 101951.	2.4	21
68	Nondestructive monitoring of carotenogenesis in Haematococcus pluvialis via whole-cell optical density spectra. Applied Microbiology and Biotechnology, 2013, 97, 4533-4541.	1.7	20
69	Desmodesmus sp. 3Dp86E-1â€"a Novel Symbiotic Chlorophyte Capable of Growth on Pure CO2. Marine Biotechnology, 2014, 16, 495-501.	1.1	20
70	Acclimation of shade-tolerant and light-resistant Tradescantia species to growth light: chlorophyll a fluorescence, electron transport, and xanthophyll content. Photosynthesis Research, 2017, 133, 87-102.	1.6	20
71	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.	1.1	20
72	Stress-induced changes in the ultrastructure of the photosynthetic apparatus of green microalgae. Protoplasma, 2019, 256, 261-277.	1.0	19

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73	Diversity of the nitrogen starvation responses in subarctic<i>Desmodesmus</i>sp. (Chlorophyceae) strains isolated from symbioses with invertebrates. FEMS Microbiology Ecology, 2016, 92, fiw031.	1.3	18
74	Involvement of phytochrome in regulation of transpiration: red-/far red-induced responses in the chlorophyll-deficient mutant of pea. Functional Plant Biology, 2003, 30, 1249.	1.1	17
75	Light-induced decrease of reflectance provides an insight in the photoprotective mechanisms of ripening apple fruit. Plant Science, 2010, 178, 281-288.	1.7	17
76	Induction of secondary carotenogenesis in new halophile microalgae from the genus Dunaliella (Chlorophyceae). Biochemistry (Moscow), 2015, 80, 1508-1513.	0.7	17
77	A new subarctic strain of Tetradesmus obliquusâ€"part I: identification and fatty acid profiling. Journal of Applied Phycology, 2018, 30, 2737-2750.	1.5	17
78	Natural Communities of Carotenogenic Chlorophyte Haematococcus lacustris and Bacteria from the White Sea Coastal Rock Ponds. Microbial Ecology, 2020, 79, 785-800.	1.4	16
79	Recent developments in microalgal conversion of organic-enriched waste streams. Current Opinion in Green and Sustainable Chemistry, 2020, 24, 61-66.	3.2	16
80	Physiological role of anthocyanin accumulation in common hazel juvenile leaves. Russian Journal of Plant Physiology, 2011, 58, 674-680.	0.5	15
81	Long-Chain Polyunsaturated Fatty Acids in the Green Microalga Lobosphaera incisa Contribute to Tolerance to Abiotic Stresses. Plant and Cell Physiology, 2019, 60, 1205-1223.	1.5	15
82	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.	1.0	15
83	Spectrum of Light as a Determinant of Plant Functioning: A Historical Perspective. Life, 2020, 10, 25.	1.1	15
84	Reduction of photosynthetic apparatus plays a key role in survival of the microalga Haematococcus pluvialis (Chlorophyceae) at freezing temperatures. Photosynthetica, 2018, 56, 1268-1277.	0.9	15
85	Green microalgae isolated from associations with white sea invertebrates. Microbiology, 2012, 81, 505-507.	0.5	13
86	A new simple method for quantification and locating P and N reserves in microalgal cells based on energy-filtered transmission electron microscopy (EFTEM) elemental maps. PLoS ONE, 2018, 13, e0208830.	1.1	13
87	Special issue in honour of Prof. Reto J. StrasserÂ-ÂGradual changes in the photosynthetic apparatus triggered by nitrogen depletion during microalgae cultivation in photobioreactor. Photosynthetica, 2020, 58, 443-451.	0.9	12
88	Physiological plasticity of symbiotic Desmodesmus (Chlorophyceae) isolated from taxonomically distant white sea invertibrates. Russian Journal of Plant Physiology, 2015, 62, 653-663.	0.5	11
89	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.	0.5	11
90	An exceptional irradiance-induced decrease of light trapping in two Tradescantia species: an unexpected relationship with the leaf architecture and zeaxanthin-mediated photoprotection. Biologia Plantarum, 2016, 60, 385-393.	1.9	11

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91	Linking Tissue Damage to Hyperspectral Reflectance for Non-Invasive Monitoring of Apple Fruit in Orchards. Plants, 2021, 10, 310.	1.6	11
92	Production of Carotenoids Using Microalgae Cultivated in Photobioreactors. , 2014, , 63-91.		10
93	The Dynamics of the Bacterial Community of the Photobioreactor-Cultivated Green Microalga Haematococcus lacustris during Stress-Induced Astaxanthin Accumulation. Biology, 2021, 10, 115.	1.3	10
94	Soil fertility management in apple orchard with microbial biofertilizers. E3S Web of Conferences, 2020, 222, 03020.	0.2	10
95	Tolerance of the photosynthetic apparatus to acidification of the growth medium as a possible determinant of CO2-tolerance of the symbiotic microalga Desmodesmus sp. IPPAS-2014. Biochemistry (Moscow), 2016, 81, 1531-1537.	0.7	9
96	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.	0.3	9
97	Express Analysis of Microalgal Secondary Carotenoids by TLC and UV-Vis Spectroscopy. Methods in Molecular Biology, 2018, 1852, 73-95.	0.4	9
98	Ultrastructural patterns of photoacclimation and photodamage to photosynthetic algae cell under environmental stress. Physiologia Plantarum, 2019, 166, 251-263.	2.6	9
99	Pigments. , 2019, , 225-252.		9
100	The effect ofÂdiverse nitrogen sources inÂtheÂnutrient medium on theÂgrowth ofÂtheÂgreen microalgae Chromochloris zofingiensis in theÂbatch culture. Marine Biological Journal, 2019, 4, 41-52.	0.3	9
101	Approaches to rapid screening of pharmaceutical xenobiotic effects on microalgae via monitoring of photosynthetic apparatus condition. Journal of Applied Phycology, 2022, 34, 353-361.	1.5	8
102	Chlorophyll fluorescence as a valuable multitool for microalgal biotechnology. Biophysical Reviews, 2022, 14, 973-983.	1.5	8
103	Genetic instability of the short-living ascomycetous fungus Podospora anserina induced by prolonged submerged cultivation. Microbiology, 2011, 80, 784-796.	0.5	7
104	Nitrogen availability modulates CO2 tolerance in a symbiotic chlorophyte. Algal Research, 2016, 16, 177-188.	2.4	7
105	An insight into spectral composition of light available for photosynthesis via remotely assessed absorption coefficient at leaf and canopy levels. Photosynthesis Research, 2022, 151, 47-60.	1.6	7
106	Comparison of the Non-Invasive Monitoring of Fresh-Cut Lettuce Condition with Imaging Reflectance Hyperspectrometer and Imaging PAM-Fluorimeter. Photonics, 2021, 8, 425.	0.9	7
107	Possibilities of bioconversion of agricultural waste with the use of microalgae. Moscow University Biological Sciences Bulletin, 2013, 68, 206-215.	0.1	6
108	The Effect of the Microalga Chlorella vulgaris Ippas C-1 Biomass Application on Yield, Biological Activity, and the Microbiome of the Soil during Bean Growing. Moscow University Biological Sciences Bulletin, 2019, 74, 227-234.	0.1	6

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109	Quantification of Screening Pigments and Their Efficiency In Situ. Springer Series in Biophysics, 2010, , 119-141.	0.4	5
110	Possibilities of Optical Monitoring of Phosphorus Starvation in Suspensions of Microalga Chlorella vulgaris IPPAS C-1 (Chlorophyceae). Moscow University Biological Sciences Bulletin, 2018, 73, 118-123.	0.1	5
111	Physiological foundations of spectral imaging-based monitoring of apple fruit ripening. Acta Horticulturae, 2021, , 419-428.	0.1	5
112	Screening Pigments: General Questions. Springer Series in Biophysics, 2010, , 9-31.	0.4	5
113	Differential Responses to UV-A Stress Recorded in Carotenogenic Microalgae Haematococcus rubicundus, Bracteacoccus aggregatus, and Deasonia sp.. Plants, 2022, 11, 1431.	1.6	5
114	Relationships between internal ethylene and optical reflectance in ripening â€˜Antonovkaâ€™ apples grown under sunlit and shaded conditions. Postharvest Biology and Technology, 2011, 59, 206-209.	2.9	4
115	Extra perspectives of 5-ethynyl-2â€²-deoxyuridine click reaction with fluorochrome azides to study cell cycle and deoxyribonucleoside metabolism. Russian Journal of Plant Physiology, 2014, 61, 899-909.	0.5	4
116	Immobilization of cyanobacteria and microalgae on polyethylenimine-based sorbents. Microbiology, 2017, 86, 629-639.	0.5	4
117	Analysis of photoprotection and apparent non-photochemical quenching of chlorophyll fluorescence in Tradescantia leaves based on the rate of irradiance-induced changes in optical transparence. Biochemistry (Moscow), 2017, 82, 67-74.	0.7	3
118	Estimation of biotechnological potential and clarification of taxonomic status of Parietochloris genus microalgae (Trebouxiophyceae) from the CALU collection. Moscow University Biological Sciences Bulletin, 2017, 72, 137-141.	0.1	3
119	A new subarctic strain of Tetradesmus obliquus. Part II: comparative studies of CO2-stress tolerance. Journal of Applied Phycology, 2018, 30, 2751-2761.	1.5	3
120	Localization of Screening Pigments Within Plant Cells and Tissues. Springer Series in Biophysics, 2010, , 67-88.	0.4	3
121	Light absorption and scattering by high light-tolerant, fast-growing Chlorella vulgaris IPPAS C-1 cells. Algal Research, 2020, 49, 101881.	2.4	3
122	Cadmium- and chromium-induced damage and acclimation mechanisms in Scenedesmus quadricauda and Chlorella sorokiniana. Journal of Applied Phycology, 2022, 34, 1435-1446.	1.5	3
123	Manifestations of the Buildup of Screening Pigments in the Optical Properties of Plants. Springer Series in Biophysics, 2010, , 89-118.	0.4	2
124	Reconstruction of microalgal suspension absorption spectra from reflectance spectra of the cells deposited on GF/F filters. Israel Journal of Plant Sciences, 2012, 60, 231-242.	0.3	2
125	Screening of the culture media with different concentrations of nutrients for cultivation of the microalgae associated with the invertebrates of the White Sea. Moscow University Biological Sciences Bulletin, 2016, 71, 102-107.	0.1	2
126	Cationic penetrating antioxidants switch off Mn cluster of photosystem II in situ. Photosynthesis Research, 2019, 142, 229-240.	1.6	2

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127	Optical Screening as a Photoprotective Mechanism. Springer Series in Biophysics, 2010, , 1-7.	0.4	2
128	Call for contributions to the Special Issue on the 9th Congress of the Russian Photobiological Society held in Shepsi, Krasnodar region, Russia, on September 12â€“19, 2021. Biophysical Reviews, 2021, 13, 815-816.	1.5	2
129	The Effect of Chilling on the Photosynthetic Apparatus of Microalga Lobosphaera incisa IPPAS C-2047. Biochemistry (Moscow), 2021, 86, 1590-1598.	0.7	2
130	The physiology of astaxanthin production by carotenogenic microalgae. , 2021, , 19-35.		1
131	Phosphorus biofertilizer from microalgae. , 2021, , 57-68.		1
132	Cosmeceuticals from Macrophyte Algae. , 2022, , 559-577.		1
133	Nanoparticles in the Aquatic Environment: The Risks Associated with Them and the Possibilities of Their Mitigation with Microalgae. Moscow University Biological Sciences Bulletin, 2021, 76, 165-174.	0.1	1
134	â€œMicroalgae as converters of light energy into biofuels and high-value productsâ€• a session of the Russian Photobiology Society 9th Congress (Shepsi, Krasnodar region, Russia; September, 12â€“19, 2021). Biophysical Reviews, 2022, 14, 761-763.	1.5	1
135	Buildup of Screening Pigments and Resistance of Plants to Photodamage. Springer Series in Biophysics, 2010, , 143-163.	0.4	0
136	Stress-Induced Buildup of Screening Pigments. Springer Series in Biophysics, 2010, , 33-65.	0.4	0
137	â€œNoahâ€™s Arkâ€•Project: Interim Results and Outlook for Classic Collection Development. Acta Naturae, 2018, 10, 49-58.	1.7	0
138	Noninvasive Quantification of Foliar Pigments. , 2018, , 135-162.		0
139	Formation of the phosphate-resistant communities of microalgae and bacteria in the subpolar waters. Limnology and Freshwater Biology, 2020, , 993-994.	0.1	0
140	Simulating the Interplay between the Uptake of Inorganic Phosphate and the Cell Phosphate Metabolism under Phosphorus Feast and Famine Conditions in Chlorella vulgaris. Cells, 2021, 10, 3571.	1.8	0