Vasily Ptushenko

List of Publications by Year
in descending order

34 papers	453 citations	759233 12 h-index	752698 20 g-index
36 all docs	36 docs citations	36 times ranked	499 citing authors

#	Article	IF	Citations
1	Semi-continuum electrostatic calculations of redox potentials in photosystem I. Photosynthesis Research, 2008, 97, 55-74.	2.9	96
2	P680 (PD1PD2) and ChlD1 as alternative electron donors in photosystem II core complexes and isolated reaction centers. Journal of Photochemistry and Photobiology B: Biology, 2011, 104, 44-50.	3.8	51
3	Oxygen as an alternative electron acceptor in the photosynthetic electron transport chain of C3 plants. Biochemistry (Moscow), 2008, 73, 1063-1075.	1.5	30
4	Chlorophyll fluorescence in the leaves of Tradescantia species of different ecological groups: Induction events at different intensities of actinic light. BioSystems, 2013, 114, 85-97.	2.0	27
5	Effects of light environment on the induction of chlorophyll fluorescence in leaves: A comparative study of Tradescantia species of different ecotypes. BioSystems, 2011, 105, 41-48.	2.0	24
6	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.	2.9	20
7	Chlorophyll fluorescence induction, chlorophyll content, and chromaticity characteristics of leaves as indicators of photosynthetic apparatus senescence in arboreous plants. Biochemistry (Moscow), 2014, 79, 260-272.	1.5	18
8	Molecular dynamics study of the primary charge separation reactions in Photosystem I: Effect of the replacement of the axial ligands to the electron acceptor A0. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 1472-1483.	1.0	16
9	Possible reasons of a decline in growth of Chinese cabbage under a combined narrowband red and blue light in comparison with illumination by high-pressure sodium lamp. Scientia Horticulturae, 2015, 194, 267-277.	3.6	16
10	The Physcomitrella patens Chloroplast Proteome Changes in Response to Protoplastation. Frontiers in Plant Science, 2016, 7, 1661.	3.6	16
11	Three phases of energy-dependent induction of $${ext{P}}_{{700}}^{+}$$ P 700 + and Chl a fluorescence in Tradescantia fluminensis leaves. Photosynthesis Research, 2019, 139, 509-522.	2.9	15
12	Spectrum of Light as a Determinant of Plant Functioning: A Historical Perspective. Life, 2020, 10, 25.	2.4	15
13	Interaction of imidazoline- and imidazolidine-based nitroxides with chloroplasts. Applied Magnetic Resonance, 2006, 30, 329-343.	1.2	11
14	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
15	Allele-specific nonstationarity in evolution of influenza A virus surface proteins. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21104-21112.	7.1	10
16	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.	1.5	9
17	<i>Tradescantia</i>â€based models: a powerful looking glass for investigation of photoacclimation and photoadaptation in plants. Physiologia Plantarum, 2019, 166, 120-133.	5.2	8
18	Electrostatics of the photosynthetic bacterial reaction center. Protonation of Glu L 212 and Asp L 213 â€" A new method of calculation. Biochimica Et Biophysica Acta - Bioenergetics, 2015, 1847, 1495-1508.	1.0	7

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19	Mechanism of primary and secondary ion-radical pair formation in photosystem I complexes. Biochemistry (Moscow), 2014, 79, 221-226.	1.5	6
20	Effect of Ca 2+ on the redox potential of heme a in cytochrome c oxidase. Biochimie, 2018, 149, 71-78.	2.6	6
21	Reorganization energies of the electron transfer reactions involving quinones in the reaction center of Rhodobacter sphaeroides. Photosynthesis Research, 2018, 138, 167-175.	2.9	6
22	EPR in the USSR: the thorny path from birth to biological and chemical applications. Photosynthesis Research, 2017, 134, 133-147.	2.9	5
23	Interaction of Amaranthin with the Electron Transport Chain of Chloroplasts. Russian Journal of Plant Physiology, 2002, 49, 585-591.	1.1	4
24	Senescence and entrenchment in evolution of amino acid sites. Nature Communications, 2020, 11, 4603.	12.8	4
25	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.	1.5	3
26	Electric Cables of Living Cells. I. Energy Transfer along Coupling Membranes. Biochemistry (Moscow), 2020, 85, 820-832.	1.5	3
27	Influence of extreme ambient temperatures and anaerobic conditions on Peltigera aphthosa (L.) Willd. viability. Life Sciences in Space Research, 2015, 7, 66-72.	2.3	2
28	To turn the tide in the Soviet scientific instrumentation: in memoriam Erlen I. Fedin (1926â€“2009). Structural Chemistry, 2018, 29, 1225-1234.	2.0	2
29	Cationic penetrating antioxidants switch off Mn cluster of photosystem II in situ. Photosynthesis Research, 2019, 142, 229-240.	2.9	2
30	The Effect of Chilling on the Photosynthetic Apparatus of Microalga Lobosphaera incisa IPPAS C-2047. Biochemistry (Moscow), 2021, 86, 1590-1598.	1.5	2
31	Chain Initiation. Herald of the Russian Academy of Sciences, 2019, 89, 84-90.	0.6	1
32	The unfinished Nobel race of Eugene Zavoisky: to the 75th anniversary of EPR discovery. Science Bulletin, 2019, 64, 146-148.	9.0	1
33	Electric Cables of Living Cells. II. Bacterial Electron Conductors. Biochemistry (Moscow), 2020, 85, 955-965.	1.5	1
34	The pushback against state interference in science: how Lysenkoism tried to suppress Genetics and how it was eventually defeated. Genetics, 2021, 219, .	2.9	1