Katya M Georgieva

List of Publications by Year
in descending order

54	1,347	279798	361022
papers	citations	23 h-index	35 g-index

55	55	55	1472
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Silicon amelioration of manganese toxicity in Mn-sensitive and Mn-tolerant maize varieties. Environmental and Experimental Botany, 2009, 65, 189-197.	4.2	136
2	Photosynthetic activity of homoiochlorophyllous desiccation tolerant plant Haberlea rhodopensis during dehydration and rehydration. Planta, 2007, 225, 955-964.	3.2	87
3	Comparative Study on the Changes in Photosynthetic Activity of the Homoiochlorophyllous Desiccation-Tolerant Haberlea Rhodopensis and Desiccation-Sensitive Spinach Leaves During Desiccation and Rehydration. Photosynthesis Research, 2005, 85, 191-203.	2.9	64
4	Protection of thylakoids against combined light and drought by a lumenal substance in the resurrection plant Haberlea rhodopensis. Annals of Botany, 2010, 105, 117-126.	2.9	57
5	Temperature Dependence of Chlorophyll Fluorescence Parameters of Pea Seedlings. Journal of Plant Physiology, 1993, 142, 151-155.	3.5	47
6	Effects of Succinate on Manganese Toxicity in Pea Plants. Journal of Plant Nutrition, 2005, 28, 47-62.	1.9	46
7	Changes in some thylakoid membrane proteins and pigments upon desiccation of the resurrection plant Haberlea rhodopensis. Journal of Plant Physiology, 2009, 166, 1520-1528.	3.5	46
8	Low Temperature Enhances Photosynthetic Down-regulation in French Bean (Phaseolus vulgaris L.) Plants. Annals of Botany, 2003, 91, 343-352.	2.9	43
9	UV-B induced stress responses in three rice cultivars. Biologia Plantarum, 2010, 54, 571-574.	1.9	43
10	Response of barley seedlings to UV-B radiation as affected by NaCl. Journal of Plant Physiology, 2003, 160, 205-208.	3.5	42
11	Effect of pretreatment of barley seedlings with different salts on the level of UV-B induced and UV-B absorbing compounds. Environmental and Experimental Botany, 2006, 56, 225-230.	4.2	40
12	Antioxidant defense during desiccation of the resurrection plant Haberlea rhodopensis. Plant Physiology and Biochemistry, 2017, 114, 51-59.	5.8	37
13	The symptomless leaf infection with grapevine leafroll associated virus 3 in grown in vitro plants as a simple model system for investigation of viral effects on photosynthesis. Journal of Plant Physiology, 2007, 164, 1124-1133.	3.5	36
14	Photosynthetic response of different pea cultivars to low and high temperature treatments. Photosynthetica, 2006, 44, 569-578.	1.7	33
15	Responses of the resurrection plant Haberlea rhodopensis to high irradiance. Photosynthetica, 2008, 46, 208-215.	1.7	33
16	Response of Oryzacystatin I Transformed Tobacco Plants to Drought, Heat and Light Stress. Journal of Agronomy and Crop Science, 2010, 196, 90-99.	3.5	31
17	Methyl Jasmonate Counteract UVâ€B Stress in Barley Seedlings. Journal of Agronomy and Crop Science, 2009, 195, 204-212.	3.5	30
18	Desiccation of the resurrection plant Haberlea rhodopensis at high temperature. Photosynthesis Research, 2011, 108, 5-13.	2.9	30

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19	Light-Dark Changes in Proline Content of Barley Leaves under Salt Stress. Biologia Plantarum, 2002, 45, 59-63.	1.9	29
20	Comparison of thylakoid structure and organization in sun and shade Haberlea rhodopensis populations under desiccation and rehydration. Journal of Plant Physiology, 2014, 171, 1591-1600.	3.5	29
21	Response of chlorina barley mutants to heat stress under low and high light. Functional Plant Biology, 2003, 30, 515.	2.1	26
22	Temperature Dependence of Photochemical and Non-Photochemical Fluorescence Quenching in Intact Pea Leaves. Journal of Plant Physiology, 1994, 144, 754-759.	3.5	25
23	Methyl jasmonate is a more effective senescence-promoting factor in Cucurbita pepo (zucchini) cotyledons when compared with darkness at the early stage of senescence. Journal of Plant Physiology, 2007, 164, 1179-1187.	3.5	24
24	Growth irradiance affects the photoprotective mechanisms of the resurrection angiosperm Haberlea rhodopensis Friv. in response to desiccation and rehydration at morphological, physiological and biochemical levels. Environmental and Experimental Botany, 2015, 113, 67-79.	4.2	23
25	Exogenous succinate increases resistance of maize plants to copper stress. Journal of Plant Nutrition and Soil Science, 2006, 169, 247-254.	1.9	21
26	Trapping of the quenched conformation associated with non-photochemical quenching of chlorophyll fluorescence at low temperature. Photosynthesis Research, 2007, 94, 321-332.	2.9	21
27	NaCl induced cross-acclimation to UV-B radiation in four Barley (Hordeum vulgare L.) cultivars. Acta Physiologiae Plantarum, 2008, 30, 561-567.	2.1	20
28	Response of sun- and shade-adapted plants of Haberlea rhodopensis to desiccation. Plant Growth Regulation, 2012, 67, 121-132.	3.4	19
29	Effects of habitat light conditions on the excitation quenching pathways in desiccating Haberlea rhodopensis leaves: An Intelligent FluoroSensor study. Journal of Photochemistry and Photobiology B: Biology, 2014, 130, 217-225.	3.8	19
30	Alterations in the sugar metabolism and in the vacuolar system of mesophyll cells contribute to the desiccation tolerance of Haberlea rhodopensis ecotypes. Protoplasma, 2017, 254, 193-201.	2.1	19
31	Freezing tolerance of photosynthetic apparatus in the homoiochlorophyllous resurrection plant Haberlea rhodopensis. Environmental and Experimental Botany, 2020, 178, 104157.	4.2	19
32	Senescence progression in a single darkened cotyledon depends on the light status of the other cotyledon in Cucurbita pepo (zucchini) seedlings: potential involvement of cytokinins and cytokinin oxidase/dehydrogenase activity. Physiologia Plantarum, 2008, 134, 609-623.	5.2	15
33	Thermostability and Photostability of Photosystem II of the Resurrection Plant Haberlea rhodopensis Studied by Chlorophyll Fluorescence. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2006, 61, 234-240.	1.4	14
34	UV-B response of green and etiolated barley seedlings. Biologia Plantarum, 2007, 51, 699-706.	1.9	14
35	Application of a diffusion model to measure ion leakage of resurrection plant leaves undergoing desiccation. Plant Physiology and Biochemistry, 2018, 125, 185-192.	5.8	13
36	Changes in photosynthetic capacity and polypeptide patterns during natural senescence and rejuvenation of Cucurbita pepo L. (zucchini) cotyledons. Plant Growth Regulation, 2008, 54, 23-29.	3.4	12

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37	Changes in chloroplast morphology of different parenchyma cells in leaves of Haberlea rhodopensis Friv. during desiccation and following rehydration. Photosynthetica, 2011, 49, 119-126.	1.7	12
38	The role of antioxidant defense in freezing tolerance of resurrection plant Haberlea rhodopensis. Physiology and Molecular Biology of Plants, 2021, 27, 1119-1133.	3.1	12
39	Differences in physiological adaptation of Haberlea rhodopensis Friv. leaves and roots during dehydrationâ€“rehydration cycle. Acta Physiologiae Plantarum, 2012, 34, 947-955.	2.1	11
40	UV-B-induced compounds as affected by proline and NaCl in Hordeum vulgare L. cv. Alfa. Environmental and Experimental Botany, 2005, 54, 182-191.	4.2	10
41	Antioxidant Defense during Recovery of Resurrection Plant Haberlea rhodopensis from Drought- and Freezing-Induced Desiccation. Plants, 2022, 11, 175.	3.5	8
42	Influence of the Herbicide Chlortoluron on Photosynthetic Activity in Transgenic Tobacco Plants. Photosynthetica, 2001, 39, 313-316.	1.7	7
43	Effect of high temperature on dehydration-induced alterations in photosynthetic characteristics of the resurrection plant Haberlea rhodopensis. Photosynthetica, 2013, 51, 630-640.	1.7	7
44	Drought-Responsive Gene Expression in Sun and Shade Plants of Haberlea rhodopensis Under Controlled Environment. Plant Molecular Biology Reporter, 2017, 35, 313-322.	1.8	7
45	Changes in Some Antioxidant Enzyme Activities inHaberlea RhodopensisDuring Desiccation at High Temperature. Biotechnology and Biotechnological Equipment, 2009, 23, 561-564.	1.3	5
46	Fatty acid content during reconstitution of the photosynthetic apparatus in the air-dried leaves of Xerophyta scabrida after rehydration. Biologia Plantarum, 2011, 55, 581-585.	1.9	5
47	Physiological changes in winter wheat genotypes in response to the Zymoseptoria tritici infection. Photosynthetica, 2019, 57, 428-437.	1.7	5
48	Light sensitivity of Haberlea rhodopensis shade adapted phenotype under drought stress. Acta Physiologiae Plantarum, 2017, 39, 1.	2.1	4
49	UV-B response of greening barley seedlings. Acta Biologica Hungarica, 2009, 60, 195-210.	0.7	3
50	Desiccationâ€induced alterations in surface topography of thylakoids from resurrection plantHaberlea rhodopensisstudied by atomic force microscopy, electrokinetic and optical measurements. Physiologia Plantarum, 2019, 166, 585-595.	5.2	3
51	Melittin-induced changes in thylakoid membranes: particle electrophoresis and light scattering study. Biophysical Chemistry, 2004, 109, 387-397.	2.8	2
52	Drought Tolerance of Photosynthesis. Books in Soils, Plants, and the Environment, 2016, , 683-695.	0.1	1
53	Antioxidative response of Arabidopsis thaliana to combined action of low temperature and high light illumination when lutein is missing. Acta Physiologiae Plantarum, 2022, 44, 1.	2.1	1
54	Effect of Desiccation of the Resurrection Plant Haberlea Rhodopensis at High Temperature on the Photochemical Activity of PSI and PSII. Advanced Topics in Science and Technology in China, 2013, , 540-543.	0.1	0