

Katya M Georgieva

List of Publications by Year in descending order

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54
papers

1,347
citations

279798

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35
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docs citations

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times ranked

1472
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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Antioxidant Defense during Recovery of Resurrection Plant <i>Haberlea rhodopensis</i> from Drought- and Freezing-Induced Desiccation. <i>Plants</i> , 2022, 11, 175. | 3.5 | 8 |
| 2 | Antioxidative response of <i>Arabidopsis thaliana</i> to combined action of low temperature and high light illumination when lutein is missing. <i>Acta Physiologiae Plantarum</i> , 2022, 44, 1. | 2.1 | 1 |
| 3 | The role of antioxidant defense in freezing tolerance of resurrection plant <i>Haberlea rhodopensis</i> . <i>Physiology and Molecular Biology of Plants</i> , 2021, 27, 1119-1133. | 3.1 | 12 |
| 4 | Freezing tolerance of photosynthetic apparatus in the homoiochlorophyllous resurrection plant <i>Haberlea rhodopensis</i> . <i>Environmental and Experimental Botany</i> , 2020, 178, 104157. | 4.2 | 19 |
| 5 | Desiccation-induced alterations in surface topography of thylakoids from resurrection plant <i>Haberlea rhodopensis</i> studied by atomic force microscopy, electrokinetic and optical measurements. <i>Physiologia Plantarum</i> , 2019, 166, 585-595. | 5.2 | 3 |
| 6 | Physiological changes in winter wheat genotypes in response to the <i>Zymoseptoria tritici</i> infection. <i>Photosynthetica</i> , 2019, 57, 428-437. | 1.7 | 5 |
| 7 | Application of a diffusion model to measure ion leakage of resurrection plant leaves undergoing desiccation. <i>Plant Physiology and Biochemistry</i> , 2018, 125, 185-192. | 5.8 | 13 |
| 8 | Alterations in the sugar metabolism and in the vacuolar system of mesophyll cells contribute to the desiccation tolerance of <i>Haberlea rhodopensis</i> ecotypes. <i>Protoplasma</i> , 2017, 254, 193-201. | 2.1 | 19 |
| 9 | Drought-Responsive Gene Expression in Sun and Shade Plants of <i>Haberlea rhodopensis</i> Under Controlled Environment. <i>Plant Molecular Biology Reporter</i> , 2017, 35, 313-322. | 1.8 | 7 |
| 10 | Antioxidant defense during desiccation of the resurrection plant <i>Haberlea rhodopensis</i> . <i>Plant Physiology and Biochemistry</i> , 2017, 114, 51-59. | 5.8 | 37 |
| 11 | Light sensitivity of <i>Haberlea rhodopensis</i> shade adapted phenotype under drought stress. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1. | 2.1 | 4 |
| 12 | Drought Tolerance of Photosynthesis. <i>Books in Soils, Plants, and the Environment</i> , 2016, , 683-695. | 0.1 | 1 |
| 13 | Growth irradiance affects the photoprotective mechanisms of the resurrection angiosperm <i>Haberlea rhodopensis</i> Friv. in response to desiccation and rehydration at morphological, physiological and biochemical levels. <i>Environmental and Experimental Botany</i> , 2015, 113, 67-79. | 4.2 | 23 |
| 14 | Comparison of thylakoid structure and organization in sun and shade <i>Haberlea rhodopensis</i> populations under desiccation and rehydration. <i>Journal of Plant Physiology</i> , 2014, 171, 1591-1600. | 3.5 | 29 |
| 15 | Effects of habitat light conditions on the excitation quenching pathways in desiccating <i>Haberlea rhodopensis</i> leaves: An Intelligent FluoroSensor study. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 130, 217-225. | 3.8 | 19 |
| 16 | Effect of high temperature on dehydration-induced alterations in photosynthetic characteristics of the resurrection plant <i>Haberlea rhodopensis</i> . <i>Photosynthetica</i> , 2013, 51, 630-640. | 1.7 | 7 |
| 17 | Effect of Desiccation of the Resurrection Plant <i>Haberlea Rhodopensis</i> at High Temperature on the Photochemical Activity of PSI and PSII. <i>Advanced Topics in Science and Technology in China</i> , 2013, , 540-543. | 0.1 | 0 |
| 18 | Response of sun- and shade-adapted plants of <i>Haberlea rhodopensis</i> to desiccation. <i>Plant Growth Regulation</i> , 2012, 67, 121-132. | 3.4 | 19 |

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|----|--|-----|-----------|
| 19 | Differences in physiological adaptation of <i>Haberlea rhodopensis</i> Friv. leaves and roots during dehydration–rehydration cycle. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 947-955. | 2.1 | 11 |
| 20 | Fatty acid content during reconstitution of the photosynthetic apparatus in the air-dried leaves of <i>Xerophyta scabrida</i> after rehydration. <i>Biologia Plantarum</i> , 2011, 55, 581-585. | 1.9 | 5 |
| 21 | Changes in chloroplast morphology of different parenchyma cells in leaves of <i>Haberlea rhodopensis</i> Friv. during desiccation and following rehydration. <i>Photosynthetica</i> , 2011, 49, 119-126. | 1.7 | 12 |
| 22 | Desiccation of the resurrection plant <i>Haberlea rhodopensis</i> at high temperature. <i>Photosynthesis Research</i> , 2011, 108, 5-13. | 2.9 | 30 |
| 23 | UV-B induced stress responses in three rice cultivars. <i>Biologia Plantarum</i> , 2010, 54, 571-574. | 1.9 | 43 |
| 24 | Response of Oryzacystatin I Transformed Tobacco Plants to Drought, Heat and Light Stress. <i>Journal of Agronomy and Crop Science</i> , 2010, 196, 90-99. | 3.5 | 31 |
| 25 | Protection of thylakoids against combined light and drought by a luminal substance in the resurrection plant <i>Haberlea rhodopensis</i> . <i>Annals of Botany</i> , 2010, 105, 117-126. | 2.9 | 57 |
| 26 | UV-B response of greening barley seedlings. <i>Acta Biologica Hungarica</i> , 2009, 60, 195-210. | 0.7 | 3 |
| 27 | Silicon amelioration of manganese toxicity in Mn-sensitive and Mn-tolerant maize varieties. <i>Environmental and Experimental Botany</i> , 2009, 65, 189-197. | 4.2 | 136 |
| 28 | Methyl Jasmonate Counteract UV–B Stress in Barley Seedlings. <i>Journal of Agronomy and Crop Science</i> , 2009, 195, 204-212. | 3.5 | 30 |
| 29 | Changes in some thylakoid membrane proteins and pigments upon desiccation of the resurrection plant <i>Haberlea rhodopensis</i> . <i>Journal of Plant Physiology</i> , 2009, 166, 1520-1528. | 3.5 | 46 |
| 30 | Changes in Some Antioxidant Enzyme Activities in <i>Haberlea Rhodopensis</i> During Desiccation at High Temperature. <i>Biotechnology and Biotechnological Equipment</i> , 2009, 23, 561-564. | 1.3 | 5 |
| 31 | Responses of the resurrection plant <i>Haberlea rhodopensis</i> to high irradiance. <i>Photosynthetica</i> , 2008, 46, 208-215. | 1.7 | 33 |
| 32 | Changes in photosynthetic capacity and polypeptide patterns during natural senescence and rejuvenation of <i>Cucurbita pepo</i> L. (zucchini) cotyledons. <i>Plant Growth Regulation</i> , 2008, 54, 23-29. | 3.4 | 12 |
| 33 | NaCl induced cross-acclimation to UV-B radiation in four Barley (<i>Hordeum vulgare</i> L.) cultivars. <i>Acta Physiologiae Plantarum</i> , 2008, 30, 561-567. | 2.1 | 20 |
| 34 | Senescence progression in a single darkened cotyledon depends on the light status of the other cotyledon in <i>Cucurbita pepo</i> (zucchini) seedlings: potential involvement of cytokinins and cytokinin oxidase/dehydrogenase activity. <i>Physiologia Plantarum</i> , 2008, 134, 609-623. | 5.2 | 15 |
| 35 | 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. <i>Journal of Plant Physiology</i> , 2007, 164, 1124-1133. | 3.5 | 36 |
| 36 | Methyl jasmonate is a more effective senescence-promoting factor in <i>Cucurbita pepo</i> (zucchini) cotyledons when compared with darkness at the early stage of senescence. <i>Journal of Plant Physiology</i> , 2007, 164, 1179-1187. | 3.5 | 24 |

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|----|---|-----|-----------|
| 37 | Trapping of the quenched conformation associated with non-photochemical quenching of chlorophyll fluorescence at low temperature. <i>Photosynthesis Research</i> , 2007, 94, 321-332. | 2.9 | 21 |
| 38 | UV-B response of green and etiolated barley seedlings. <i>Biologia Plantarum</i> , 2007, 51, 699-706. | 1.9 | 14 |
| 39 | Photosynthetic activity of homoiochlorophyllous desiccation tolerant plant <i>Haberlea rhodopensis</i> during dehydration and rehydration. <i>Planta</i> , 2007, 225, 955-964. | 3.2 | 87 |
| 40 | Exogenous succinate increases resistance of maize plants to copper stress. <i>Journal of Plant Nutrition and Soil Science</i> , 2006, 169, 247-254. | 1.9 | 21 |
| 41 | Photosynthetic response of different pea cultivars to low and high temperature treatments. <i>Photosynthetica</i> , 2006, 44, 569-578. | 1.7 | 33 |
| 42 | Effect of pretreatment of barley seedlings with different salts on the level of UV-B induced and UV-B absorbing compounds. <i>Environmental and Experimental Botany</i> , 2006, 56, 225-230. | 4.2 | 40 |
| 43 | Thermostability and Photostability of Photosystem II of the Resurrection Plant <i>Haberlea rhodopensis</i> Studied by Chlorophyll Fluorescence. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2006, 61, 234-240. | 1.4 | 14 |
| 44 | UV-B-induced compounds as affected by proline and NaCl in <i>Hordeum vulgare</i> L. cv. Alfa. <i>Environmental and Experimental Botany</i> , 2005, 54, 182-191. | 4.2 | 10 |
| 45 | Comparative Study on the Changes in Photosynthetic Activity of the Homoiochlorophyllous Desiccation-Tolerant <i>Haberlea Rhodopensis</i> and Desiccation-Sensitive Spinach Leaves During Desiccation and Rehydration. <i>Photosynthesis Research</i> , 2005, 85, 191-203. | 2.9 | 64 |
| 46 | Effects of Succinate on Manganese Toxicity in Pea Plants. <i>Journal of Plant Nutrition</i> , 2005, 28, 47-62. | 1.9 | 46 |
| 47 | Melittin-induced changes in thylakoid membranes: particle electrophoresis and light scattering study. <i>Biophysical Chemistry</i> , 2004, 109, 387-397. | 2.8 | 2 |
| 48 | Response of barley seedlings to UV-B radiation as affected by NaCl. <i>Journal of Plant Physiology</i> , 2003, 160, 205-208. | 3.5 | 42 |
| 49 | Response of chlorina barley mutants to heat stress under low and high light. <i>Functional Plant Biology</i> , 2003, 30, 515. | 2.1 | 26 |
| 50 | Low Temperature Enhances Photosynthetic Down-regulation in French Bean (<i>Phaseolus vulgaris</i> L.) Plants. <i>Annals of Botany</i> , 2003, 91, 343-352. | 2.9 | 43 |
| 51 | Light-Dark Changes in Proline Content of Barley Leaves under Salt Stress. <i>Biologia Plantarum</i> , 2002, 45, 59-63. | 1.9 | 29 |
| 52 | Influence of the Herbicide Chlortoluron on Photosynthetic Activity in Transgenic Tobacco Plants. <i>Photosynthetica</i> , 2001, 39, 313-316. | 1.7 | 7 |
| 53 | Temperature Dependence of Photochemical and Non-Photochemical Fluorescence Quenching in Intact Pea Leaves. <i>Journal of Plant Physiology</i> , 1994, 144, 754-759. | 3.5 | 25 |
| 54 | Temperature Dependence of Chlorophyll Fluorescence Parameters of Pea Seedlings. <i>Journal of Plant Physiology</i> , 1993, 142, 151-155. | 3.5 | 47 |