

Galina Brychkova

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | A critical role for ureides in dark and senescence-induced purine remobilization is unmasked in the <i>Atxhdh1</i> Arabidopsis mutant. <i>Plant Journal</i> , 2008, 54, 496-509. | 5.7 | 165 |
| 2 | Sulfite oxidase protects plants against sulfur dioxide toxicity. <i>Plant Journal</i> , 2007, 50, 696-709. | 5.7 | 127 |
| 3 | Smallholder Farmers and Climate Smart Agriculture: Technology and Labor-productivity Constraints amongst Women Smallholders in Malawi. <i>Gender, Technology and Development</i> , 2016, 20, 117-148. | 1.4 | 93 |
| 4 | Sulfite Reductase Protects Plants against Sulfite Toxicity. <i>Plant Physiology</i> , 2013, 161, 725-743. | 4.8 | 78 |
| 5 | An Essential Role for Tomato Sulfite Oxidase and Enzymes of the Sulfite Network in Maintaining Leaf Sulfite Homeostasis. <i>Plant Physiology</i> , 2012, 161, 148-164. | 4.8 | 70 |
| 6 | Impairment in Sulfite Reductase Leads to Early Leaf Senescence in Tomato Plants. <i>Plant Physiology</i> , 2014, 165, 1505-1520. | 4.8 | 51 |
| 7 | The determination of sulfite levels and its oxidation in plant leaves. <i>Plant Science</i> , 2012, 190, 123-130. | 3.6 | 48 |
| 8 | Aldehyde Oxidase 4 Plays a Critical Role in Delaying Silique Senescence by Catalyzing Aldehyde Detoxification. <i>Plant Physiology</i> , 2017, 173, 1977-1997. | 4.8 | 46 |
| 9 | Formation of xanthine and the use of purine metabolites as a nitrogen source in Arabidopsis plants. <i>Plant Signaling and Behavior</i> , 2008, 3, 999-1001. | 2.4 | 33 |
| 10 | Gene dosage compensation of rRNA transcript levels in <i>Arabidopsis thaliana</i> lines with reduced ribosomal gene copy number. <i>Plant Cell</i> , 2021, 33, 1135-1150. | 6.6 | 28 |
| 11 | A Novel In-Gel Assay and an Improved Kinetic Assay for Determining In Vitro Sulfite Reductase Activity in Plants. <i>Plant and Cell Physiology</i> , 2012, 53, 1507-1516. | 3.1 | 27 |
| 12 | TILLING by Sequencing (TbyS) for targeted genome mutagenesis in crops. <i>Molecular Breeding</i> , 2017, 37, 1. | 2.1 | 26 |
| 13 | Sulfite Oxidase Activity Is Essential for Normal Sulfur, Nitrogen and Carbon Metabolism in Tomato Leaves. <i>Plants</i> , 2015, 4, 573-605. | 3.5 | 22 |
| 14 | Thermal disruption of the food matrix of biofortified lettuce varieties modifies absorption of carotenoids by Caco-2 cells. <i>Food Chemistry</i> , 2020, 308, 125443. | 8.2 | 20 |
| 15 | Kinetic Assays for Determining In Vitro APS Reductase Activity in Plants without the Use of Radioactive Substances. <i>Plant and Cell Physiology</i> , 2012, 53, 1648-1658. | 3.1 | 19 |
| 16 | Molybdenum application enhances adaptation of crested wheatgrass to salinity stress. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1. | 2.1 | 16 |
| 17 | Hybridity has a greater effect than paternal genome dosage on heterosis in sugar beet (<i>Beta vulgaris</i>). <i>BMC Plant Biology</i> , 2018, 18, 120. | 3.6 | 6 |
| 18 | Plastid ribosome protein L5 is essential for post-globular embryo development in <i>Arabidopsis thaliana</i> . <i>Plant Reproduction</i> , 2022, 35, 189-204. | 2.2 | 6 |

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|----|--|-----|-----------|
| 19 | Parent-of-Origin Effects on Seed Size Modify Heterosis Responses in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2022, 13, 835219. | 3.6 | 6 |
| 20 | Transgenerational effects of inter-ploidy cross direction on reproduction and F2 seed development of <i>Arabidopsis thaliana</i> F1 hybrid triploids. <i>Plant Reproduction</i> , 2019, 32, 275-289. | 2.2 | 5 |
| 21 | Community-Level Impacts of Climate-Smart Agriculture Interventions on Food Security and Dietary Diversity in Climate-Smart Villages in Myanmar. <i>Climate</i> , 2021, 9, 166. | 2.8 | 4 |
| 22 | Corona citizensâ€™ science project-repeated surveys of the Irish response to COVID-19 and subsequent lockdown and restrictive measures. <i>Irish Journal of Medical Science</i> , 2021, , 1. | 1.5 | 0 |