

Galina Brychkova

List of Publications by Year in descending order

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1106
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#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	TILLING by Sequencing (TbS) for targeted genome mutagenesis in crops. <i>Molecular Breeding</i> , 2017, 37, 1.	2.1	26
10	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
11	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
12	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
13	Molybdenum application enhances adaptation of crested wheatgrass to salinity stress. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	2.1	16
14	Impairment in Sulfite Reductase Leads to Early Leaf Senescence in Tomato Plants. <i>Plant Physiology</i> , 2014, 165, 1505-1520.	4.8	51
15	Sulfite Reductase Protects Plants against Sulfite Toxicity. <i>Plant Physiology</i> , 2013, 161, 725-743.	4.8	78
16	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
17	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
18	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

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19	The determination of sulfite levels and its oxidation in plant leaves. <i>Plant Science</i> , 2012, 190, 123-130.	3.6	48
20	A critical role for ureides in dark and senescence-induced purine remobilization is unmasked in the <i>Atxdh1</i> Arabidopsis mutant. <i>Plant Journal</i> , 2008, 54, 496-509.	5.7	165
21	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
22	Sulfite oxidase protects plants against sulfur dioxide toxicity. <i>Plant Journal</i> , 2007, 50, 696-709.	5.7	127