

Wacław Orczyk

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

844
citations

623734

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21
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docs citations

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1023
citing authors

#	ARTICLE	IF	CITATIONS
1	Silencing of the HvCKX1 gene decreases the cytokinin oxidase/dehydrogenase level in barley and leads to higher plant productivity. <i>Journal of Experimental Botany</i> , 2010, 61, 1839-1851.	4.8	183
2	Major genes determining yield-related traits in wheat and barley. <i>Theoretical and Applied Genetics</i> , 2017, 130, 1081-1098.	3.6	175
3	Somatic hybrids of <i>Solanum tuberosum</i> – application to genetics and breeding. <i>Plant Cell, Tissue and Organ Culture</i> , 2003, 74, 1-13.	2.3	59
4	HvCKX2 gene silencing by biolistic or <i>Agrobacterium</i> -mediated transformation in barley leads to different phenotypes. <i>BMC Plant Biology</i> , 2012, 12, 206.	3.6	49
5	Expression Patterns of HvCKX Genes Indicate Their Role in Growth and Reproductive Development of Barley. <i>PLoS ONE</i> , 2014, 9, e115729.	2.5	45
6	The RNA-mediated silencing of one of the Pin genes in allohexaploid wheat simultaneously decreases the expression of the other, and increases grain hardness. <i>Journal of Experimental Botany</i> , 2011, 62, 4025-4036.	4.8	38
7	TaWAK6 encoding wall-associated kinase is involved in wheat resistance to leaf rust similar to adult plant resistance. <i>PLoS ONE</i> , 2020, 15, e0227713.	2.5	36
8	The <i>Agrobacterium</i> -mediated transformation of common wheat (<i>Triticum aestivum</i> L.) and triticale (x) Tj ETQq0 0 0 rgBT /Overlock 10 Tt Genetics, 2012, 53, 1-8.	1.9	29
9	Structural characteristics of ScBx genes controlling the biosynthesis of hydroxamic acids in rye (<i>Secale cereale</i> L.). <i>Journal of Applied Genetics</i> , 2015, 56, 287-298.	1.9	29
10	<i>Agrobacterium</i> -mediated transformation of polyploid cereals. The efficiency of selection and transgene expression in wheat. <i>Cellular and Molecular Biology Letters</i> , 2004, 9, 903-17.	7.0	28
11	Pathogen-regulated genes in wheat isogenic lines differing in resistance to brown rust <i>Puccinia triticina</i> . <i>BMC Genomics</i> , 2015, 16, 742.	2.8	27
12	Identification and VIGS-based characterization of Bx1 ortholog in rye (<i>Secale cereale</i> L.). <i>PLoS ONE</i> , 2017, 12, e0171506.	2.5	23
13	Specificity of expression of TaCKX family genes in developing plants of wheat and their co-operation within and among organs. <i>PLoS ONE</i> , 2019, 14, e0214239.	2.5	22
14	Silencing of TaCKX1 Mediates Expression of Other TaCKX Genes to Increase Yield Parameters in Wheat. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4809.	4.1	22
15	Different sets of TaCKX genes affect yield-related traits in wheat plants grown in a controlled environment and in field conditions. <i>BMC Plant Biology</i> , 2020, 20, 496.	3.6	13
16	Changes in benzoxazinoid contents and the expression of the associated genes in rye (<i>Secale cereale</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tt	2.9	12
17	Annotation and profiling of barley GLYCOGEN SYNTHASE3/Shaggy-like genes indicated shift in organ-preferential expression. <i>PLoS ONE</i> , 2018, 13, e0199364.	2.5	11
18	Silencing of HvGSK1.1 – A GSK3/SHAGGY-Like Kinase – Enhances Barley (<i>Hordeum vulgare</i> L.) Growth in Normal and in Salt Stress Conditions. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6616.	4.1	11

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19	TaCKX2.2 Genes Coordinate Expression of Other TaCKX Family Members, Regulate Phytohormone Content and Yield-Related Traits of Wheat. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4142.	4.1	10
20	Genotype-Dependent Effect of Silencing of TaCKX1 and TaCKX2 on Phytohormone Crosstalk and Yield-Related Traits in Wheat. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11494.	4.1	8
21	A new BSMV-based vector with modified $\hat{1}^2$ molecule allows simultaneous and stable silencing of two genes. <i>Cellular and Molecular Biology Letters</i> , 2012, 17, 107-23.	7.0	7
22	Polyamine Oxidation Is Indispensable for Wheat (<i>Triticum aestivum</i> L.) Oxidative Response and Necrotic Reactions during Leaf Rust (<i>Puccinia triticina</i> Eriks.) Infection. <i>Plants</i> , 2021, 10, 2787.	3.5	1