

Megumi Ishimaru

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6019751/publications.pdf>

Version: 2024-02-01

19
papers

326
citations

759233

12
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

493
citing authors

#	ARTICLE	IF	CITATIONS
1	Expression of a xyloglucan endo-transglycosylase gene is closely related to grape berry softening. <i>Plant Science</i> , 2002, 162, 621-628.	3.6	57
2	Expression of three expansin genes during development and maturation of Kyoho grape berries. <i>Journal of Plant Physiology</i> , 2007, 164, 1675-1682.	3.5	46
3	Regulation of ethanolic fermentation in bell pepper fruit under low oxygen stress. <i>Postharvest Biology and Technology</i> , 2002, 25, 159-167.	6.0	28
4	Enzymatic activity and substrate specificity of recombinant tomato β -galactosidases 4 and 5. <i>Planta</i> , 2009, 229, 447-456.	3.2	24
5	Structural and functional analysis of tomato β -galactosidase 4: insight into the substrate specificity of the fruit softening-related enzyme. <i>Plant Journal</i> , 2016, 86, 300-307.	5.7	24
6	Peculiarities and applications of galactanolytic enzymes that act on type I and II arabinogalactans. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 5201-5213.	3.6	22
7	Effect of short-term anaerobic conditions on the production of volatiles, activity of alcohol acetyltransferase and other quality traits of ripened bananas. <i>Journal of the Science of Food and Agriculture</i> , 2006, 86, 1475-1480.	3.5	21
8	Characterization of an exo- β -1,3-d-galactanase from <i>Sphingomonas</i> sp. 24T and its application to structural analysis of larch wood arabinogalactan. <i>Applied Microbiology and Biotechnology</i> , 2011, 90, 1701-1710.	3.6	20
9	Effects of the storage conditions of burdock (<i>Arctium lappa</i> L.) root on the quality of heat-processed burdock sticks. <i>Scientia Horticulturae</i> , 2004, 101, 1-10.	3.6	15
10	Physiological responses and quality attributes of Chinese chive leaves exposed to CO ₂ -enriched atmospheres. <i>Postharvest Biology and Technology</i> , 2007, 46, 160-166.	6.0	13
11	Characterization of three GH35 β -galactosidases, enzymes able to shave galactosyl residues linked to rhamnogalacturonan in pectin, from <i>Penicillium chrysogenum</i> 31B. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 1135-1148.	3.6	13
12	An Anthocyanin Regulator from Grapes, VlmybA1-2, Produces Reddish-Purple Plants. <i>Japanese Society for Horticultural Science</i> , 2008, 77, 33-37.	0.8	12
13	Enzymatic activity and substrate specificity of the recombinant tomato β -galactosidase 1. <i>Journal of Plant Physiology</i> , 2014, 171, 1454-1460.	3.5	11
14	Inhibition of Acetate Ester Biosynthesis in Banana (<i>Musa sapientum</i> L.) Fruit Pulp under Anaerobic Conditions. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 1615-1620.	5.2	7
15	Effects of Short-term Exposure to Low Oxygen Atmospheres on Physiological Responses of Sweetpotato Roots. <i>Journal of the Japanese Society for Horticultural Science</i> , 2007, 76, 258-265.	0.5	6
16	Substrate-recognition mechanism of tomato β -galactosidase 4 using X-ray crystallography and docking simulation. <i>Planta</i> , 2020, 252, 72.	3.2	3
17	Expression, purification, crystallization and preliminary X-ray crystallographic analysis of tomato β -galactosidase 4. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2015, 71, 153-156.	0.8	2
18	Summer Pruning Severity Affected Vegetative and Reproductive Traits in the Rabbiteye Blueberry (<i>Vaccinium virgatum</i> Ait.). <i>Horticulture Journal</i> , 2019, 88, 315-319.	0.8	2

#	ARTICLE	IF	CITATIONS
19	Title is missing!. Food Preservation Science, 2007, 33, 77-83.	0.1	0