

Marta

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

956
citations

567281

15
h-index

677142

22
g-index

29
all docs

29
docs citations

29
times ranked

1286
citing authors

#	ARTICLE	IF	CITATIONS
1	Salt tolerance (STO), a stress-related protein, has a major role in light signalling. <i>Plant Journal</i> , 2007, 51, 563-574.	5.7	118
2	High-level expression of secreted complex glycosylated recombinant human erythropoietin in the <i>Physcomitrella</i> β -fuc-t β -xyl-t mutant. <i>Plant Biotechnology Journal</i> , 2007, 5, 389-401.	8.3	113
3	Lipid exchanges drove the evolution of mutualism during plant terrestrialization. <i>Science</i> , 2021, 372, 864-868.	12.6	90
4	Nuclear Localization and Interaction with COP1 Are Required for STO/BBX24 Function during Photomorphogenesis. <i>Plant Physiology</i> , 2011, 156, 1772-1782.	4.8	81
5	Genetic analysis reveals a complex regulatory network modulating CBF gene expression and <i>Arabidopsis</i> response to abiotic stress. <i>Journal of Experimental Botany</i> , 2012, 63, 293-304.	4.8	63
6	Establishment of an <i>Arabidopsis</i> callus system to study the interrelations of biosynthesis, degradation and accumulation of carotenoids. <i>PLoS ONE</i> , 2018, 13, e0192158.	2.5	52
7	Use of <i>Physcomitrella patens</i> actin 5' regions for high transgene expression: importance of 5' introns. <i>Applied Microbiology and Biotechnology</i> , 2006, 70, 337-345.	3.6	51
8	Chloroplasts require glutathione reductase to balance reactive oxygen species and maintain efficient photosynthesis. <i>Plant Journal</i> , 2020, 103, 1140-1154.	5.7	47
9	Structure and function of the archaeal response regulator CheY. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E1259-E1268.	7.1	43
10	Positioning of the Motility Machinery in Halophilic Archaea. <i>MBio</i> , 2019, 10, .	4.1	42
11	Spatio-temporal patterning of arginyl-tRNA protein transferase (<scp>ATE</scp>) contributes to gametophytic development in a moss. <i>New Phytologist</i> , 2016, 209, 1014-1027.	7.3	35
12	The structure of the periplasmic FlaG-FlaF complex and its essential role for archaeal swimming motility. <i>Nature Microbiology</i> , 2020, 5, 216-225.	13.3	32
13	Mutant analysis in the nonlegume <i>Parasponia andersonii</i> identifies NIN and NF-YA1 transcription factors as a core genetic network in nitrogen-fixing nodule symbioses. <i>New Phytologist</i> , 2020, 226, 541-554.	7.3	32
14	<i>Arabidopsis</i> mutants deregulated in RCI2A expression reveal new signaling pathways in abiotic stress responses. <i>Plant Journal</i> , 2005, 42, 586-597.	5.7	29
15	Phytoene Desaturase from <i>Oryza sativa</i> : Oligomeric Assembly, Membrane Association and Preliminary 3D-Analysis. <i>PLoS ONE</i> , 2015, 10, e0131717.	2.5	26
16	An Oscillating MinD Protein Determines the Cellular Positioning of the Motility Machinery in Archaea. <i>Current Biology</i> , 2020, 30, 4956-4972.e4.	3.9	19
17	The switch complex ArlCDE connects the chemotaxis system and the archaeellum. <i>Molecular Microbiology</i> , 2020, 114, 468-479.	2.5	19
18	Phytoene synthase 2 in tomato fruits remains functional and contributes to abscisic acid formation. <i>Plant Science</i> , 2022, 316, 111177.	3.6	11

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19	Hierarchical Markov Random Fields for mast cell segmentation in electron microscopic recordings. , 2011, , .		10
20	Semi-automatic determination of cell surface areas used in systems biology. Frontiers in Bioscience - Elite, 2013, E5, 533-545.	1.8	9
21	Cellular and Genomic Properties of Haloferax gibbonsii LR2-5, the Host of Euryarchaeal Virus HFTV1. Frontiers in Microbiology, 2021, 12, 625599.	3.5	9
22	Endocytic trafficking promotes vacuolar enlargements for fast cell expansion rates in plants. ELife, 0, 11, .	6.0	8
23	Growth Phase Dependent Cell Shape of Haloarcula. Microorganisms, 2021, 9, 231.	3.6	7
24	Does light taste salty?. Plant Signaling and Behavior, 2008, 3, 72-73.	2.4	3