Masaru Nakayasu

List of Publications by Year
in descending order

18	663	687363 13	839539 18
papers	citations	h-index	g-index

20	20	20	585
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Generation of Î±-solanine-free hairy roots of potato by CRISPR/Cas9 mediated genome editing of the St16DOX gene. Plant Physiology and Biochemistry, 2018, 131, 70-77.	5.8	150
2	<scp>JRE</scp>4 is a master transcriptional regulator of defenseâ€related steroidal glycoalkaloids in tomato. Plant Journal, 2018, 94, 975-990.	5.7	73
3	Two Cytochrome P450 Monooxygenases Catalyze Early Hydroxylation Steps in the Potato Steroid Glycoalkaloid Biosynthetic Pathway. Plant Physiology, 2016, 171, 2458-2467.	4.8	67
4	Rhizosphere modelling reveals spatiotemporal distribution of daidzein shaping soybean rhizosphere bacterial community. Plant, Cell and Environment, 2020, 43, 1036-1046.	5.7	63
5	A Dioxygenase Catalyzes Steroid 16Î±-Hydroxylation in Steroidal Glycoalkaloid Biosynthesis. Plant Physiology, 2017, 175, 120-133.	4.8	52
6	Tomato roots secrete tomatine to modulate the bacterial assemblage of the rhizosphere. Plant Physiology, 2021, 186, 270-284.	4.8	45
7	Identification of a 3Î²-Hydroxysteroid Dehydrogenase/ 3-Ketosteroid Reductase Involved in Î±-Tomatine Biosynthesis in Tomato. Plant and Cell Physiology, 2019, 60, 1304-1315.	3.1	33
8	Efficient genome engineering using Platinum TALEN in potato. Plant Biotechnology, 2019, 36, 167-173.	1.0	32
9	Identification of Î±-Tomatine 23-Hydroxylase Involved in the Detoxification of a Bitter Glycoalkaloid. Plant and Cell Physiology, 2020, 61, 21-28.	3.1	29
10	The biosynthetic pathway of potato solanidanes diverged from that of spirosolanes due to evolution of a dioxygenase. Nature Communications, 2021, 12, 1300.	12.8	25
11	Characterization of steroid 5Î±-reductase involved in Î±-tomatine biosynthesis in tomatoes. Plant Biotechnology, 2019, 36, 253-263.	1.0	22
12	Identification of furostanol glycoside 26-<i>O</i>-Î²-glucosidase involved in steroidal saponin biosynthesis from <i>Dioscorea esculenta</i>. Plant Biotechnology, 2015, 32, 299-308.	1.0	15
13	Parallel evolution of UbiA superfamily proteins into aromatic O -prenyltransferases in plants. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	15
14	Tomato E8 Encodes a C-27 Hydroxylase in Metabolic Detoxification of Î±-Tomatine during Fruit Ripening. Plant and Cell Physiology, 2021, 62, 775-783.	3.1	14
15	Triterpenoid and Steroidal Saponins Differentially Influence Soil Bacterial Genera. Plants, 2021, 10, 2189.	3.5	12
16	Characterization of Câ€26 aminotransferase, indispensable for steroidal glycoalkaloid biosynthesis. Plant Journal, 2021, 108, 81-92.	5.7	7
17	Tandem Gene Duplication of Dioxygenases Drives the Structural Diversity of Steroidal Glycoalkaloids in the Tomato Clade. Plant and Cell Physiology, 2022, 63, 981-990.	3.1	5
18	Two Distinct Soil Disinfestations Differently Modify the Bacterial Communities in a Tomato Field. Agronomy, 2021, 11, 1375.	3.0	4