

Pengxiang Fan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4578798/publications.pdf>

Version: 2024-02-01

10
papers

558
citations

1162889

8
h-index

1474057

9
g-index

15
all docs

15
docs citations

15
times ranked

674
citing authors

#	ARTICLE	IF	CITATIONS
1	Functionally Divergent Alleles and Duplicated Loci Encoding an Acyltransferase Contribute to Acylsugar Metabolite Diversity in <i>Solanum</i> Trichomes. <i>Plant Cell</i> , 2015, 27, 1002-1017.	3.1	106
2	In vitro reconstruction and analysis of evolutionary variation of the tomato acylsucrose metabolic network. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E239-48.	3.3	106
3	Robust predictions of specialized metabolism genes through machine learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2344-2353.	3.3	79
4	Tip of the trichome: evolution of acylsugar metabolic diversity in Solanaceae. <i>Current Opinion in Plant Biology</i> , 2019, 49, 8-16.	3.5	72
5	Evolution of metabolic novelty: A trichome-expressed invertase creates specialized metabolic diversity in wild tomato. <i>Science Advances</i> , 2019, 5, eaaw3754.	4.7	54
6	Evolution of a plant gene cluster in Solanaceae and emergence of metabolic diversity. <i>ELife</i> , 2020, 9, .	2.8	47
7	Evolution of a flipped pathway creates metabolic innovation in tomato trichomes through BAHD enzyme promiscuity. <i>Nature Communications</i> , 2017, 8, 2080.	5.8	46
8	Comparative proteomics of root plasma membrane proteins reveals the involvement of calcium signalling in NaCl-facilitated nitrate uptake in <i>Salicornia europaea</i> . <i>Journal of Experimental Botany</i> , 2015, 66, 4497-4510.	2.4	31
9	Within- and cross-species predictions of plant specialized metabolism genes using transfer learning. <i>In Silico Plants</i> , 2020, 2, diaa005.	0.8	10
10	The Rising of Acylsugar Diversity: Metabolic Innovation in Tomato Trichomes through BAHD Enzyme Promiscuity and Pathway Evolution. <i>FASEB Journal</i> , 2018, 32, 537.2.	0.2	0