

Fernando Geu-Flores

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

2,778
citations

279701

23
h-index

526166

27
g-index

30
all docs

30
docs citations

30
times ranked

3536
citing authors

#	ARTICLE	IF	CITATIONS
1	Biosynthesis of glucosinolates – gene discovery and beyond. Trends in Plant Science, 2010, 15, 283-290.	4.3	756
2	An alternative route to cyclic terpenes by reductive cyclization in iridoid biosynthesis. Nature, 2012, 492, 138-142.	13.7	298
3	USER fusion: a rapid and efficient method for simultaneous fusion and cloning of multiple PCR products. Nucleic Acids Research, 2007, 35, e55-e55.	6.5	255
4	Glucosinolate engineering identifies a γ -glutamyl peptidase. Nature Chemical Biology, 2009, 5, 575-577.	3.9	148
5	An NPF transporter exports a central monoterpene indole alkaloid intermediate from the vacuole. Nature Plants, 2017, 3, 16208.	4.7	123
6	USER Cloning and USER Fusion: The Ideal Cloning Techniques for Small and Big Laboratories. Methods in Molecular Biology, 2010, 643, 185-200.	0.4	121
7	Cytosolic γ -Glutamyl Peptidases Process Glutathione Conjugates in the Biosynthesis of Glucosinolates and Camalexin in <i>Arabidopsis</i> . Plant Cell, 2011, 23, 2456-2469.	3.1	119
8	A Pair of Tabersonine 16-Hydroxylases Initiates the Synthesis of Vindoline in an Organ-Dependent Manner in <i>Catharanthus roseus</i> . Plant Physiology, 2013, 163, 1792-1803.	2.3	97
9	High-quality genome sequence of white lupin provides insight into soil exploration and seed quality. Nature Communications, 2020, 11, 492.	5.8	90
10	Eliminating vicine and convicine, the main anti-nutritional factors restricting faba bean usage. Trends in Food Science and Technology, 2019, 91, 549-556.	7.8	84
11	Identification and Characterization of the Iridoid Synthase Involved in Oleuropein Biosynthesis in Olive (<i>Olea europaea</i>) Fruits. Journal of Biological Chemistry, 2016, 291, 5542-5554.	1.6	74
12	Towards engineering glucosinolates into non-cruciferous plants. Planta, 2009, 229, 261-270.	1.6	68
13	Glucosinolate diversity within a phylogenetic framework of the tribe Cardamineae (Brassicaceae) unraveled with HPLC-MS/MS and 1 H-NMR-based analytical distinction of 70 desulfoglucosinolates. Phytochemistry, 2016, 132, 33-56.	1.4	68
14	Structural determinants of reductive terpene cyclization in iridoid biosynthesis. Nature Chemical Biology, 2016, 12, 6-8.	3.9	58
15	Engineering of benzylglucosinolate in tobacco provides proof-of-concept for dead-end trap crops genetically modified to attract <i>Plutella xylostella</i> (diamondback moth). Plant Biotechnology Journal, 2012, 10, 435-442.	4.1	51
16	Modulation of sulfur metabolism enables efficient glucosinolate engineering. BMC Biotechnology, 2011, 11, 12.	1.7	50
17	Discovery of a P450-catalyzed step in vindoline biosynthesis: a link between the aspidosperma and eburnamine alkaloids. Chemical Communications, 2015, 51, 7626-7628.	2.2	50
18	Transcript profiling of a bitter variety of narrow-leaved lupin to discover alkaloid biosynthetic genes. Journal of Experimental Botany, 2017, 68, 5527-5537.	2.4	42

#	ARTICLE	IF	CITATIONS
19	Cytochromes P450 in the biosynthesis of glucosinolates and indole alkaloids. <i>Phytochemistry Reviews</i> , 2006, 5, 331-346.	3.1	40
20	Conversion of Substrate Analogs Suggests a Michael Cyclization in Iridoid Biosynthesis. <i>Chemistry and Biology</i> , 2014, 21, 1452-1456.	6.2	34
21	VC1 catalyses a key step in the biosynthesis of vicine in faba bean. <i>Nature Plants</i> , 2021, 7, 923-931.	4.7	34
22	Quinolizidine alkaloids are transported to seeds of bitter narrow-leafed lupin. <i>Journal of Experimental Botany</i> , 2019, 70, 5799-5808.	2.4	28
23	De novo genetic engineering of the camalexin biosynthetic pathway. <i>Journal of Biotechnology</i> , 2013, 167, 296-301.	1.9	23
24	Assigning Gene Function in Biosynthetic Pathways: Camalexin and Beyond. <i>Plant Cell</i> , 2013, 25, 360-367.	3.1	23
25	Biosynthesis of quinolizidine alkaloids in lupins: mechanistic considerations and prospects for pathway elucidation. <i>Natural Product Reports</i> , 2022, 39, 1423-1437.	5.2	19
26	Prospects to improve the nutritional quality of crops. <i>Food and Energy Security</i> , 2022, 11, e327.	2.0	15
27	Development and application of a virus-induced gene silencing protocol for the study of gene function in narrow-leafed lupin. <i>Plant Methods</i> , 2021, 17, 131.	1.9	4
28	Transcriptome sequencing in narrow-leafed lupin (<i>Lupinus angustifolius</i>): Combining short- and long-read sequencing platforms. <i>Planta Medica</i> , 2016, 81, S1-S381.	0.7	0