Li-Hua Zhu

List of Publications by Year
in descending order

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38 papers	1,018 citations	430874 18 h-index	434195 31 g-index
39 all docs	39 docs citations	39 times ranked	1148 citing authors

#	Article	IF	Citations
1	Targeted gene mutation in tetraploid potato through transient TALEN expression in protoplasts. Journal of Biotechnology, 2015, 204, 17-24.	3.8	103
2	Development of ultraâ€high erucic acid oil in the industrial oil crop Crambe abyssinica. Plant Biotechnology Journal, 2012, 10, 862-870.	8.3	80
3	Transformation of the apple rootstock M.9/29 with the rolB gene and its influence on rooting and growth. Plant Science, 2001, 160, 433-439.	3.6	76
4	Evaluation of a new vessel system based on temporary immersion system for micropropagation. Scientia Horticulturae, 2014, 179, 227-232.	3.6	63
5	Effects of transgenic rootstocks on growth and development of non-transgenic scion cultivars in apple. Transgenic Research, 2010, 19, 933-948.	2.4	48
6	The rooting ability of the dwarfing pear rootstock BP10030 (Pyrus communis) was significantly increased by introduction of the rolB gene. Plant Science, 2003, 165, 829-835.	3.6	47
7	Dedicated Industrial Oilseed Crops as Metabolic Engineering Platforms for Sustainable Industrial Feedstock Production. Scientific Reports, 2016, 6, 22181.	3.3	46
8	Origin, timing, and gene expression profile of adventitious rooting in Arabidopsis hypocotyls and stems. American Journal of Botany, 2014, 101, 255-266.	1.7	41
9	Genetic transformation of the oilseed crop Crambe abyssinica. Plant Cell, Tissue and Organ Culture, 2010, 100, 149-156.	2.3	38
10	Involvement of the ARRO-1 gene in adventitious root formation in apple. Plant Science, 2009, 177, 710-715.	3.6	36
11	Optimisation of growing conditions for the apple rootstock M26 grown in RITA containers using temporary immersion principle. Plant Cell, Tissue and Organ Culture, 2005, 81, 313-318.	2.3	34
12	Bottlenecks in erucic acid accumulation in genetically engineered ultrahigh erucic acid C rambe abyssinica. Plant Biotechnology Journal, 2014, 12, 193-203.	8.3	33
13	Platform crops amenable to genetic engineering â€“ a requirement for successful production of bio-industrial oils through genetic engineering. Biocatalysis and Agricultural Biotechnology, 2014, 3, 58-64.	3.1	30
14	Efficient Protoplast Regeneration Protocol and CRISPR/Cas9-Mediated Editing of Glucosinolate Transporter (GTR) Genes in Rapeseed (Brassica napus L.). Frontiers in Plant Science, 2021, 12, 680859.	3.6	26
15	Highly efficient in vitro regeneration of the industrial oilseed crop Crambe abyssinica. Industrial Crops and Products, 2011, 33, 170-175.	5.2	24
16	Development of an efficient regeneration and transformation method for the new potential oilseed crop Lepidium campestre. BMC Plant Biology, 2013, 13, 115.	3.6	23
17	Downâ€regulation of crambe fatty acid desaturase and elongase in Arabidopsis and crambe resulted in significantly increased oleic acid content in seed oil. Plant Biotechnology Journal, 2016, 14, 323-331.	8.3	22
18	Integration of therolA gene into the genome of the vigorous apple rootstock A2 reduced plant height and shortened internodes. Journal of Horticultural Science and Biotechnology, 2001, 76, 758-763.	1.9	20

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19	Plant based production of myoglobin - a novel source of the muscle heme-protein. Scientific Reports, 2020, 10, 920.	3.3	19
20	Growth characteristics of apple cultivar Gravenstein plants grafted onto the transformed rootstock M26 with rolA and rolB genes under non-limiting nutrient conditions. Plant Science, 1999, 147, 75-80.	3.6	18
21	Crambe hispanica Subsp. abyssinica Diacylglycerol Acyltransferase Specificities Towards Diacylglycerols and Acyl-CoA Reveal Combinatorial Effects That Greatly Affect Enzymatic Activity and Specificity. Frontiers in Plant Science, 2019, 10, 1442.	3.6	18
22	The Arabidopsis phytochrome B gene influences growth of the apple rootstock M26. Plant Cell Reports, 2000, 19, 1049-1056.	5.6	17
23	Significant increase of oleic acid level in the wild species Lepidium campestre through direct gene silencing. Plant Cell Reports, 2016, 35, 2055-2063.	5.6	16
24	Effects of Overexpression of WRI1 and Hemoglobin Genes on the Seed Oil Content of Lepidium campestre. Frontiers in Plant Science, 2016, 7, 2032.	3.6	16
25	Functional analysis of the omega-6 fatty acid desaturase (CaFAD2) gene family of the oil seed crop Crambe abyssinica. BMC Plant Biology, 2013, 13, 146.	3.6	13
26	Efficient selection and evaluation of transgenic lines of Crambe abyssinica. Frontiers in Plant Science, 2013, 4, 162.	3.6	12
27	Production of wax esters in the wild oil species Lepidium campestre. Industrial Crops and Products, 2017, 108, 535-542.	5.2	12
28	Combination of modern plant breeding and enzyme technology to obtain highly enriched erucic acid from Crambe oil. Sustainable Chemical Processes, 2016, 4, .	2.3	11
29	Crambe (Crambe abyssinica). , 2016, , 195-205.		10
30	Infection by Agrobacterium tumefaciens increased the resistance of leaf explants to selective agents in carnation (Dianthus caryophyllus L. and D. chinensis). Plant Science, 2005, 168, 137-144.	3.6	9
31	RNAi Targeting Putative Genes in Phosphatidylcholine Turnover Results in Significant Change in Fatty Acid Composition in Crambe abyssinica Seed Oil. Lipids, 2015, 50, 407-416.	1.7	9
32	Development of Industrial Oil Crop Crambe abyssinica for Wax Ester Production through Metabolic Engineering and Cross Breeding. Plant and Cell Physiology, 2019, 60, 1274-1283.	3.1	9
33	Transient expression and purification of Î²-caryophyllene synthase in Nicotiana benthamiana to produce Î²-caryophyllene in vitro. PeerJ, 2020, 8, e8904.	2.0	9
34	Optimisation of growing conditions for the apple rootstock M26 grown in RITA containers using temporary immersion principle. , 2005, , 253-261.		8
35	Regeneration and genetic transformation of Hagenia abyssinica (Bruce) J.F. Gmel. (Rosaceae) with rolB gene. Plant Cell, Tissue and Organ Culture, 2007, 88, 277-288.	2.3	8
36	Establishment of an Efficient Protoplast Regeneration and Transfection Protocol for Field Cress (Lepidium campestre). Frontiers in Genome Editing, 2021, 3, 757540.	5.2	4

#	Article	IF	Citations
37	Invited Mini-Review Research Topic: Utilization of Protoplasts to Facilitate Gene Editing in Plants: Schemes for In Vitro Shoot Regeneration From Tissues and Protoplasts of Potato and Rapeseed: Implications of Bioengineering Such as Gene Editing of Broad-Leaved Plants. Frontiers in Genome Editing, 0, 4, .	5.2	4
38	Consistent risk regulation? Differences in the European regulation of food crops. Journal of Risk Research, 2019, 22, 1561-1570.	2.6	3