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Genome-wide digital transcript analysis of putative fruitlet abscission related genes regulated by ethephon in litchi

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#	Paper	IF	Citations
48	Identification and molecular characterization of an IDA-like gene from litchi, LcIDL1, whose ectopic expression promotes floral organ abscission in Arabidopsis. <i>Scientific Reports</i> , 2016 , 6, 37135	4.9	32
47	Transcriptional changes during ovule development in two genotypes of litchi (<i>Litchi chinensis</i> Sonn.) with contrast in seed size. <i>Scientific Reports</i> , 2016 , 6, 36304	4.9	7
46	Ethylene-induced transcriptional and hormonal responses at the onset of sugarcane ripening. <i>Scientific Reports</i> , 2017 , 7, 43364	4.9	30
45	Distinct organ-specific and temporal expression profiles of auxin-related genes during mango fruitlet drop. <i>Plant Physiology and Biochemistry</i> , 2017 , 115, 439-448	5.4	4
44	Biotechnological Interventions in Litchi (<i>Litchi chinensis</i> Sonn.) for the Improvement of Fruit Quality and Postharvest Storage. 2017 , 101-136		1
43	Litchi Fruit Set, Development, and Maturation. 2017 , 1-30		4
42	Abiotic Stress Management in Fruit Crop Litchi chinensis. 2017 , 243-263		0
41	Strategies to Retard Postharvest Pericarp Browning in Lychee Fruit. 2017 , 265-279		
40	Ethephon induced oxidative stress in the olive leaf abscission zone enables development of a selective abscission compound. <i>BMC Plant Biology</i> , 2017 , 17, 87	5.3	19
39	Cell Wall Remodeling in Abscission Zone Cells during Ethylene-Promoted Fruit Abscission in Citrus. <i>Frontiers in Plant Science</i> , 2017 , 8, 126	6.2	42
38	Genome-Wide Identification of Histone Modifiers and Their Expression Patterns during Fruit Abscission in Litchi. <i>Frontiers in Plant Science</i> , 2017 , 8, 639	6.2	24
37	Genetics and Breeding of Fruit Crops in the Sapindaceae Family: Lychee (<i>Litchi chinensis</i> Sonn.) and Longan (<i>Dimocarpus longan</i> Lour.). 2018 , 953-973		1
36	The molecular events of IAA inhibiting citrus fruitlet abscission revealed by digital gene expression profiling. <i>Plant Physiology and Biochemistry</i> , 2018 , 130, 192-204	5.4	16
35	The Tomato Hybrid Proline-rich Protein regulates the abscission zone competence to respond to ethylene signals. <i>Horticulture Research</i> , 2018 , 5, 28	7.7	10
34	Ethylene and 1-MCP treatments affect leaf abscission and associated metabolism of Chinese cabbage. <i>Postharvest Biology and Technology</i> , 2019 , 157, 110963	6.2	5
33	Metabolomic and transcriptomic profiling of three types of litchi pericarps reveals that changes in the hormone balance constitute the molecular basis of the fruit cracking susceptibility of Litchi chinensis cv. Baitangying. <i>Molecular Biology Reports</i> , 2019 , 46, 5295-5308	2.8	5
32	Analysis of the molecular basis of fruit cracking susceptibility in Litchi chinensis cv. Baitangying by transcriptome and quantitative proteome profiling. <i>Journal of Plant Physiology</i> , 2019 , 234-235, 106-116	3.6	11

31	Involvement of HD-ZIP I transcription factors LcHB2 and LcHB3 in fruitlet abscission by promoting transcription of genes related to the biosynthesis of ethylene and ABA in litchi. <i>Tree Physiology</i> , 2019 , 39, 1600-1613	4.2	14
30	The HD-Zip transcription factor LcHB2 regulates litchi fruit abscission through the activation of two cellulase genes. <i>Journal of Experimental Botany</i> , 2019 , 70, 5189-5203	7	14
29	Genome-wide identification and expression analysis of citrus fruitlet abscission-related polygalacturonase genes. <i>3 Biotech</i> , 2019 , 9, 250	2.8	2
28	Re-evaluation of the ethylene-dependent and -independent pathways in the regulation of floral and organ abscission. <i>Journal of Experimental Botany</i> , 2019 , 70, 1461-1467	7	39
27	Transcriptome and Hormone Analyses Revealed Insights into Hormonal and Vesicle Trafficking Regulation among Fruit Tissues in Late Development. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
26	Spatio-temporal immunolocalization of extensin protein and hemicellulose polysaccharides during olive fruit abscission. <i>Planta</i> , 2020 , 252, 32	4.7	1
25	LcEIL2/3 are involved in fruitlet abscission via activating genes related to ethylene biosynthesis and cell wall remodeling in litchi. <i>Plant Journal</i> , 2020 , 103, 1338-1350	6.9	7
24	Cell Wall Composition and Ultrastructural Immunolocalization of Pectin and Arabinogalactan Protein during <i>Olea europaea</i> L. Fruit Abscission. <i>Plant and Cell Physiology</i> , 2020 , 61, 814-825	4.9	3
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22	New insight in Huanglongbing-associated mature fruit drop in citrus and its link to oxidative stress. <i>Scientia Horticulturae</i> , 2020 , 265, 109246	4.1	8
21	KNOX protein KNAT1 regulates fruitlet abscission in litchi by repressing ethylene biosynthetic genes. <i>Journal of Experimental Botany</i> , 2020 , 71, 4069-4082	7	11
20	Developmental transcriptome profiling uncovered carbon signaling genes associated with almond fruit drop. <i>Scientific Reports</i> , 2021 , 11, 3401	4.9	2
19	LcERF2 modulates cell wall metabolism by directly targeting a UDP-glucose-4-epimerase gene to regulate pedicel development and fruit abscission of litchi. <i>Plant Journal</i> , 2021 , 106, 801-816	6.9	4
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14	Role of the KNOTTED1-LIKE HOMEBOX protein (KD1) in regulating abscission of tomato flower pedicels at early and late stages of the process. <i>Physiologia Plantarum</i> , 2021 , 173, 2103-2118	4.6	0

13	Diversity and Functional Dynamics of Fleshy Fruit Abscission Zones. 1-64		1
12	Genome-wide characterization of the auxin response factor (ARF) gene family of litchi (Sonn.): phylogenetic analysis, miRNA regulation and expression changes during fruit abscission. <i>PeerJ</i> , 2019 , 7, e6677	3.1	16
11	The effect of ethephon treatment on the formation of flower in melon (<i>Cucumis melo</i> L.). <i>Digital Press Life Sciences</i> , 2018 , 1, 00002	0.1	
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9	Remodeling of Cell Wall Components in Root Nodules and Flower Abscission Zone under Drought in Yellow Lupine.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	0
8	Changes of Fruit Abscission and Carbohydrates, Hormones, Related Gene Expression in the Fruit and Pedicel of Macadamia under Starvation Stress. <i>Horticulturae</i> , 2022 , 8, 398	2.5	
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5	A SICLV3-SIWUS module regulates auxin and ethylene homeostasis in low light-induced tomato flower abscission.		0
4	A multifaceted comparison between the fruit-abscission and fruit-retention cultivars in ornamental crabapple. 13,		0
3	Genome-Wide Identification and Expression Analysis of m6A Writers, Erasers, and Readers in Litchi (<i>Litchi chinensis</i> Sonn.). 2022 , 13, 2284		0
2	A LcDOF5 . 6-LcRbohD regulatory module controls the ROS -mediated fruitlet abscission in litchi.		0
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