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An improved fruit transcriptome and the identification of the candidate genes involved in fruit abscission induced by carbohydrate stress in litchi

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Frontiers in Plant Science, 2015, 6, 439.

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#	Paper	IF	Citations
37	Cloning, Functional Characterization, and Catalytic Mechanism of a Bergaptol O-Methyltransferase from <i>Peucedanum praeruptorum</i> Dunn. <i>Frontiers in Plant Science</i> , 2016 , 7, 722	6.2	14
36	Validation of Reference Genes for RT-qPCR Studies of Gene Expression in Preharvest and Postharvest Longan Fruits under Different Experimental Conditions. <i>Frontiers in Plant Science</i> , 2016 , 7, 780	6.2	23
35	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
34	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
33	Advances in Genetic Transformation of Litchi. 2017 , 421-436		1
32	Litchi Fruit Set, Development, and Maturation. 2017 , 1-30		4
31	Abiotic Stress Management in Fruit Crop Litchi chinensis. 2017 , 243-263		0
30	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
29	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
28	Molecular and related approaches to litchi improvement [historical perspective and future trends. <i>Journal of Horticultural Science and Biotechnology</i> , 2019 , 94, 693-702	1.9	3
27	Molecular and Hormonal Aspects of Drought-Triggered Flower Shedding in Yellow Lupine. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	10
26	Screening the Reference Genes for Quantitative Gene Expression by RT-qPCR During SE Initial Dedifferentiation in Four Cultivars that Have Different SE Capability. <i>Genes</i> , 2019 , 10,	4.2	5
25	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
24	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
23	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
22	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
21	Abscisic acid and ethylene in the control of nodule-specific response on drought in yellow lupine. <i>Environmental and Experimental Botany</i> , 2020 , 169, 103900	5.9	5

20	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
19	Unveiling the complexity of the litchi transcriptome and pericarp browning by single-molecule long-read sequencing. <i>Postharvest Biology and Technology</i> , 2020 , 168, 111252	6.2	4
18	Comparative RNA sequencing based transcriptome profiling of regular bearing and alternate bearing mango (<i>Mangifera indica</i> L.) varieties reveals novel insights into the regulatory mechanisms underlying alternate bearing. <i>Biotechnology Letters</i> , 2020 , 42, 1035-1050	3	8
17	Molecular Events Involved in Fruitlet Abscission in Litchi. <i>Plants</i> , 2020 , 9,	4.5	8
16	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
15	SLERF52 regulates SITIP1;1 expression to accelerate tomato pedicel abscission. <i>Plant Physiology</i> , 2021 , 185, 1829-1846	6.6	2
14	Developmental transcriptome profiling uncovered carbon signaling genes associated with almond fruit drop. <i>Scientific Reports</i> , 2021 , 11, 3401	4.9	2
13	Morphological and physiological characteristics of abnormal berry development in <i>Vitis amurensis</i> . <i>Canadian Journal of Plant Science</i> , 1-11	1	
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11	Diversity and Functional Dynamics of Fleshy Fruit Abscission Zones. 1-64		1
10	Selection of Reference Genes for Gene Expression Normalization in <i>Peucedanum praeruptorum</i> Dunn under Abiotic Stresses, Hormone Treatments and Different Tissues. <i>PLoS ONE</i> , 2016 , 11, e0152356	3.7	26
9	Sugar Transport, Metabolism and Signaling in Fruit Development of <i>Sonn</i> : A Review. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
8	Genome-Wide Identification of ARF Gene Family Suggests a Functional Expression Pattern during Fruitlet Abscission in <i>L.</i> <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
7	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
6	Factors associated with citrus fruit abscission and management strategies developed so far: a review. <i>New Zealand Journal of Crop and Horticultural Science</i> , 1-22	0.9	0
5	Boron Effects on Fruit Set, Yield, Quality and Paternity of <i>Macadamia</i> . <i>Agronomy</i> , 2022 , 12, 684	3.6	1
4	Dynamics of Energy Metabolism in Carbon Starvation-Induced Fruitlet Abscission in Litchi. <i>Horticulturae</i> , 2021 , 7, 576	2.5	
3	Changes of Fruit Abscission and Carbohydrates, Hormones, Related Gene Expression in the Fruit and Pedicel of <i>Macadamia</i> under Starvation Stress. <i>Horticulturae</i> , 2022 , 8, 398	2.5	

- 2 Boron Effects on Fruit Set, Yield, Quality and Paternity of Hass Avocado. *Agronomy*, **2022**, 12, 1479 3.6 ○
- 1 Comparative transcriptomics in alternate bearing cultivar Dashehari reveals the genetic model of flowering in mango. 13, ○