Vered Tzin

List of Publications by Year
in descending order

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42 papers	3,176 citations	279798 23 h-index	265206 42 g-index
51 all docs	51 docs citations	51 times ranked	4765 citing authors

#	Article	IF	Citations
1	Regulation of primary plant metabolism during plant-pathogen interactions and its contribution to plant defense. Frontiers in Plant Science, 2014, 5, 17.	3.6	554
2	New Insights into the Shikimate and Aromatic Amino Acids Biosynthesis Pathways in Plants. Molecular Plant, 2010, 3, 956-972.	8.3	545
3	The Biosynthetic Pathways for Shikimate and Aromatic Amino Acids inArabidopsis thaliana. The Arabidopsis Book, 2010, 8, e0132.	0.5	274
4	A Global Coexpression Network Approach for Connecting Genes to Specialized Metabolic Pathways in Plants. Plant Cell, 2017, 29, 944-959.	6.6	225
5	Alteration of plant primary metabolism in response to insect herbivory. Plant Physiology, 2015, 169, pp.01405.2015.	4.8	195
6	Dynamic maize responses to aphid feeding are revealed by a time series of transcriptomic and metabolomic assays. Plant Physiology, 2015, 169, pp.01039.2015.	4.8	142
7	Coordinated Gene Networks Regulating Arabidopsis Plant Metabolism in Response to Various Stresses and Nutritional Cues. Plant Cell, 2011, 23, 1264-1271.	6.6	107
8	Expression of a bacterial feedbackâ€insensitive 3â€deoxyâ€<scp>d</scp>â€arabinoâ€heptulosonate 7â€phosphate synthase of the shikimate pathway in Arabidopsis elucidates potential metabolic bottlenecks between primary and secondary metabolism. New Phytologist, 2012, 194, 430-439.	7.3	98
9	Rapid defense responses in maize leaves induced by Spodoptera exigua caterpillar feeding. Journal of Experimental Botany, 2017, 68, 4709-4723.	4.8	98
10	Expression of a bacterial biâ€functional chorismate mutase/prephenate dehydratase modulates primary and secondary metabolism associated with aromatic amino acids in Arabidopsis. Plant Journal, 2009, 60, 156-167.	5.7	80
11	Alteration of the Interconversion of Pyruvate and Malate in the Plastid or Cytosol of Ripening Tomato Fruit Invokes Diverse Consequences on Sugar But Similar Effects on Cellular Organic Acid, Metabolism, and Transitory Starch Accumulation Â Â. Plant Physiology, 2013, 161, 628-643.	4.8	78
12	Combined transcriptome and metabolome analyses to understand the dynamic responses of rice plants to attack by the rice stem borer Chilo suppressalis (Lepidoptera: Crambidae). BMC Plant Biology, 2016, 16, 259.	3.6	68
13	RNA interference against gut osmoregulatory genes in phloem-feeding insects. Journal of Insect Physiology, 2015, 79, 105-112.	2.0	63
14	Tomato fruits expressing a bacterial feedback-insensitive 3-deoxy-d-arabino-heptulosonate 7-phosphate synthase of the shikimate pathway possess enhanced levels of multiple specialized metabolites and upgraded aroma. Journal of Experimental Botany, 2013, 64, 4441-4452.	4.8	60
15	Lead accumulation in the aquatic fern Azolla filiculoides. Plant Physiology and Biochemistry, 2004, 42, 639-645.	5.8	46
16	Genetic mapping shows intraspecific variation and transgressive segregation for caterpillarâ€induced aphid resistance in maize. Molecular Ecology, 2015, 24, 5739-5750.	3.9	45
17	A role for 9-lipoxygenases in maize defense against insect herbivory. Plant Signaling and Behavior, 2018, 13, e1422462.	2.4	44
18	Comparative transcriptomic and metabolic analysis of wild and domesticated wheat genotypes reveals differences in chemical and physical defense responses against aphids. BMC Plant Biology, 2020, 20, 19.	3.6	40

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19	Maize Carbohydrate partitioning defective1 impacts carbohydrate distribution, callose accumulation, and phloem function. Journal of Experimental Botany, 2018, 69, 3917-3931.	4.8	38
20	Metabolic Engineering of the Phenylpropanoid and Its Primary, Precursor Pathway to Enhance the Flavor of Fruits and the Aroma of Flowers. Bioengineering, 2015, 2, 204-212.	3.5	35
21	Principal transcriptional regulation and genome-wide system interactions of the Asp-family and aromatic amino acid networks of amino acid metabolism in plants. Amino Acids, 2010, 39, 1023-1028.	2.7	29
22	Deciphering energyâ€associated gene networks operating in the response of Arabidopsis plants to stress and nutritional cues. Plant Journal, 2012, 70, 954-966.	5.7	29
23	Cereal aphids differently affect benzoxazinoid levels in durum wheat. PLoS ONE, 2018, 13, e0208103.	2.5	28
24	Integrated metabolomics identifies CYP72A67 and CYP72A68 oxidases in the biosynthesis of Medicago truncatula oleanate sapogenins. Metabolomics, 2019, 15, 85.	3.0	26
25	Plant breeding involving genetic engineering does not result in unacceptable unintended effects in rice relative to conventional crossâ€breeding. Plant Journal, 2020, 103, 2236-2249.	5.7	25
26	Near-isogenic lines for measuring phenotypic effects of DIMBOA-Glc methyltransferase activity in maize. Plant Signaling and Behavior, 2013, 8, e26779.	2.4	16
27	The Effectiveness of Physical and Chemical Defense Responses of Wild Emmer Wheat Against Aphids Depends on Leaf Position and Genotype. Frontiers in Plant Science, 2021, 12, 667820.	3.6	16
28	Indole is an essential molecule for plant interactions with herbivores and pollinators. Journal of Plant Biology and Crop Research, 2018, 1, .	0.2	15
29	Altered Levels of Aroma and Volatiles by Metabolic Engineering of Shikimate Pathway Genes in Tomato Fruits. AIMS Bioengineering, 2015, 2, 75-92.	1.1	15
30	Tomato Cultivars Resistant or Susceptible to Spider Mites Differ in Their Biosynthesis and Metabolic Profile of the Monoterpenoid Pathway. Frontiers in Plant Science, 2021, 12, 630155.	3.6	14
31	Exploring the metabolic variation between domesticated and wild tetraploid wheat genotypes in response to corn leaf aphid infestation. Plant Signaling and Behavior, 2018, 13, e1486148.	2.4	13
32	Nitrogen Deprivation-Induced Production of Volatile Organic Compounds in the Arachidonic-Acid-Accumulating Microalga Lobosphaera incisa Underpins Their Role as ROS Scavengers and Chemical Messengers. Frontiers in Marine Science, 2020, 7, .	2.5	11
33	The combined impacts of wheat spatial position and phenology on cereal aphid abundance. PeerJ, 2020, 8, e9142.	2.0	9
34	The wheat dioxygenase BX6 is involved in the formation of benzoxazinoids in planta and contributes to plant defense against insect herbivores. Plant Science, 2022, 316, 111171.	3.6	9
35	Characterizing serotonin biosynthesis in Setaria viridis leaves and its effect on aphids. Plant Molecular Biology, 2022, 109, 533-549.	3.9	9
36	The transcription factor TaMYB31 regulates the benzoxazinoid biosynthetic pathway in wheat. Journal of Experimental Botany, 2022, 73, 5634-5649.	4.8	9

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37	Variation Between Three Eragrostis tef Accessions in Defense Responses to Rhopalosiphum padi Aphid Infestation. Frontiers in Plant Science, 2020, 11, 598483.	3.6	6
38	Phylogeny and abiotic conditions shape the diel floral emission patterns of desert Brassicaceae species. Plant, Cell and Environment, 2021, 44, 2656-2671.	5.7	6
39	Oil Pollution Affects the Central Metabolism of Keystone Vachellia (Acacia) Trees. Sustainability, 2021, 13, 6660.	3.2	3
40	Bumblebee attraction toMatthiola lividaflowers is altered by combined water stress and insect herbivory. Entomologia Experimentalis Et Applicata, 2022, 170, 666-680.	1.4	3
41	A friend in need is a friend indeed. Plant Signaling and Behavior, 2011, 6, 1294-1296.	2.4	2
42	Extraction and Measurement the Activities of Cytosolic Phosphoenolpyruvate Carboxykinase (PEPCK) and Plastidic NADP-dependent Malic Enzyme (ME) on Tomato (Solanum lycopersicum). Bio-protocol, 2014, 4, .	0.4	2