

# David M Francis

## List of Publications by Year in descending order

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55  
papers

2,794  
citations

172457

29  
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175258

52  
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57  
docs citations

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times ranked

3111  
citing authors

#	ARTICLE	IF	CITATIONS
1	Steroidal alkaloid biosynthesis is coordinately regulated and differs among tomatoes in the red-fruited clade. <i>Plant Genome</i> , 2022, 15, e20192.	2.8	6
2	Migration Drives the Replacement of <i>Xanthomonas perforans</i> Races in the Absence of Widely Deployed Resistance. <i>Frontiers in Microbiology</i> , 2022, 13, 826386.	3.5	4
3	Novel <i>Trichoderma</i> Isolates Alleviate Water Deficit Stress in Susceptible Tomato Genotypes. <i>Frontiers in Plant Science</i> , 2022, 13, 869090.	3.6	11
4	Identification and assessment of alleles in the promoter of the <i>CycB</i> gene that modulate levels of $\beta$ -carotene in ripe tomato fruit. <i>Plant Genome</i> , 2021, 14, e20085.	2.8	6
5	Processing Tomato Germplasm with Improved Resistance to Bacterial Spot. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2021, 56, 519-520.	1.0	3
6	Bioluminescent <i>Xanthomonas hortorum</i> pv. <i>gardneri</i> as a Tool to Quantify Bacteria in Planta, Screen Germplasm, and Identify Infection Routes on Leaf Surfaces. <i>Frontiers in Plant Science</i> , 2021, 12, 667351.	3.6	4
7	Evaluating Quantitative Trait Locus Resistance in Tomato to Multiple <i>Xanthomonas</i> spp.. <i>Plant Disease</i> , 2020, 104, 423-429.	1.4	12
8	Novel Processing Technologies as Compared to Thermal Treatment on the Bioaccessibility and Caco-2 Cell Uptake of Carotenoids from Tomato and Kale-Based Juices. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 10185-10194.	5.2	19
9	Analysis of Tomato Carotenoids: Comparing Extraction and Chromatographic Methods. <i>Journal of AOAC INTERNATIONAL</i> , 2019, 102, 1069-1079.	1.5	21
10	Ty-6, a major begomovirus resistance gene on chromosome 10, is effective against Tomato yellow leaf curl virus and Tomato mottle virus. <i>Theoretical and Applied Genetics</i> , 2019, 132, 1543-1554.	3.6	72
11	Comparison of Marker-Based Genomic Estimated Breeding Values and Phenotypic Evaluation for Selection of Bacterial Spot Resistance in Tomato. <i>Phytopathology</i> , 2018, 108, 392-401.	2.2	29
12	Limited appearance of apocarotenoids is observed in plasma after consumption of tomato juices: a randomized human clinical trial. <i>American Journal of Clinical Nutrition</i> , 2018, 108, 784-792.	4.7	15
13	The use of historical datasets to develop multi-trait selection models in processing tomato. <i>Euphytica</i> , 2017, 213, 1.	1.2	5
14	Tomatoes protect against development of UV-induced keratinocyte carcinoma via metabolomic alterations. <i>Scientific Reports</i> , 2017, 7, 5106.	3.3	57
15	Thermal processing differentially affects lycopene and other carotenoids in cis-lycopene containing, tangerine tomatoes. <i>Food Chemistry</i> , 2016, 210, 466-472.	8.2	38
16	Association Analysis for Bacterial Spot Resistance in a Directionally Selected Complex Breeding Population of Tomato. <i>Phytopathology</i> , 2015, 105, 1437-1445.	2.2	27
17	Sex differences in skin carotenoid deposition and acute UVB-induced skin damage in SKH-1 hairless mice after consumption of tangerine tomatoes. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 2491-2501.	3.3	16
18	Enhanced bioavailability of lycopene when consumed as cis-isomers from tangerine compared to red tomato juice, a randomized, crossover clinical trial. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 658-669.	3.3	163

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19	Avocado Consumption Enhances Human Postprandial Provitamin A Absorption and Conversion from a Novel High-β-Carotene Tomato Sauce and from Carrots. <i>Journal of Nutrition</i> , 2014, 144, 1158-1166.	2.9	76
20	Genetic analysis of resistance to six virus diseases in a multiple virus-resistant maize inbred line. <i>Theoretical and Applied Genetics</i> , 2014, 127, 867-880.	3.6	39
21	The postharvest tomato fruit quality of long shelf-life Mediterranean landraces is substantially influenced by irrigation regimes. <i>Postharvest Biology and Technology</i> , 2014, 93, 114-121.	6.0	29
22	Quantitative trait loci for resistance to Maize rayado fino virus. <i>Molecular Breeding</i> , 2014, 34, 989-996.	2.1	9
23	Identification of Resistance to <i>Maize rayado fino virus</i> in Maize Inbred Lines. <i>Plant Disease</i> , 2013, 97, 1418-1423.	1.4	21
24	Single Nucleotide Polymorphism Discovery in Cultivated Tomato via Sequencing by Synthesis. <i>Plant Genome</i> , 2012, 5, .	2.8	81
25	Fine mapping and analysis of a candidate gene in tomato accession PI128216 conferring hypersensitive resistance to bacterial spot race T3. <i>Theoretical and Applied Genetics</i> , 2012, 124, 533-542.	3.6	43
26	Development of a Large SNP Genotyping Array and Generation of High-Density Genetic Maps in Tomato. <i>PLoS ONE</i> , 2012, 7, e40563.	2.5	313
27	High-Density SNP Genotyping of Tomato ( <i>Solanum lycopersicum</i> L.) Reveals Patterns of Genetic Variation Due to Breeding. <i>PLoS ONE</i> , 2012, 7, e45520.	2.5	164
28	Trait Diversity and Potential for Selection Indices Based on Variation Among Regionally Adapted Processing Tomato Germplasm. <i>Journal of the American Society for Horticultural Science</i> , 2012, 137, 427-437.	1.0	71
29	Mapping and linkage disequilibrium analysis with a genome-wide collection of SNPs that detect polymorphism in cultivated tomato. <i>Journal of Experimental Botany</i> , 2011, 62, 1831-1845.	4.8	68
30	Molecular Mapping of Hypersensitive Resistance from Tomato 'Hawaii 7981' to <i>Xanthomonas perforans</i> Race T3. <i>Phytopathology</i> , 2011, 101, 1217-1223.	2.2	30
31	Physiological and morphological adaptations in relation to water use efficiency in Mediterranean accessions of <i>Solanum lycopersicum</i> . <i>Plant, Cell and Environment</i> , 2011, 34, 245-260.	5.7	152
32	External calibration models for the measurement of tomato carotenoids by infrared spectroscopy. <i>Journal of Food Composition and Analysis</i> , 2011, 24, 121-126.	3.9	27
33	Discovery of intron polymorphisms in cultivated tomato using both tomato and Arabidopsis genomic information. <i>Theoretical and Applied Genetics</i> , 2010, 121, 1199-1207.	3.6	31
34	Identification of QTL associated with resistance to bacterial spot race T4 in tomato. <i>Theoretical and Applied Genetics</i> , 2010, 121, 1275-1287.	3.6	39
35	Tomato-based food products for prostate cancer prevention: what have we learned?. <i>Cancer and Metastasis Reviews</i> , 2010, 29, 553-568.	5.9	87
36	Carotenoid Stability during Production and Storage of Tomato Juice Made from Tomatoes with Diverse Pigment Profiles Measured by Infrared Spectroscopy. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 8692-8698.	5.2	26

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37	Storage Stability of Lycopene in Tomato Juice Subjected to Combined Pressure~Heat Treatments. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 8305-8313.	5.2	67
38	Proteomic analysis of pollination-induced corolla senescence in petunia. <i>Journal of Experimental Botany</i> , 2010, 61, 1089-1109.	4.8	36
39	Oligonucleotide array discovery of polymorphisms in cultivated tomato ( <i>Solanum lycopersicum</i> L.) reveals patterns of SNP variation associated with breeding. <i>BMC Genomics</i> , 2009, 10, 466.	2.8	49
40	Characterization of Hypersensitive Resistance to Bacterial Spot Race T3 ( <i>Xanthomonas</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 To	2.2	38
41	Optimizing Sampling of Tomato Fruit for Carotenoid Content with Application To Assessing the Impact of Ripening Disorders. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 483-487.	5.2	8
42	Tomato Analyzer-color Test: A New Tool for Efficient Digital Phenotyping. <i>Journal of the American Society for Horticultural Science</i> , 2008, 133, 579-586.	1.0	79
43	Lycopene from heat-induced cis-isomer-rich tomato sauce is more bioavailable than from all-trans-rich tomato sauce in human subjects. <i>British Journal of Nutrition</i> , 2007, 98, 140-146.	2.3	196
44	Fertility Influence of the U.S. Midwestern Soils on Yellow Shoulder Disorder in Processing Tomatoes. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2007, 42, 1468-1472.	1.0	2
45	Resistance in <i>Lycopersicon esculentum</i> Intraspecific Crosses to Race T1 Strains of <i>Xanthomonas campestris</i> pv. <i>vesicatoria</i> Causing Bacterial Spot of Tomato. <i>Phytopathology</i> , 2005, 95, 519-527.	2.2	71
46	Marker-assisted Selection for Combining Resistance to Bacterial Spot and Bacterial Speck in Tomato. <i>Journal of the American Society for Horticultural Science</i> , 2005, 130, 716-721.	1.0	56
47	Proteomic Analysis of Resistance Mediated by Rcm 2.0 and Rcm 5.1, Two Loci Controlling Resistance to Bacterial Canker of Tomato. <i>Molecular Plant-Microbe Interactions</i> , 2004, 17, 1019-1028.	2.6	59
48	Improved Tomato Fruit Color within an Inbred Backcross Line Derived from <i>Lycopersicon esculentum</i> and <i>L. hirsutum</i> Involves the Interaction of Loci. <i>Journal of the American Society for Horticultural Science</i> , 2004, 129, 250-257.	1.0	43
49	A QTL controlling stem morphology and vascular development in <i>Lycopersicon esculentum</i> ~ <i>Lycopersicon hirsutum</i> ( <i>Solanaceae</i> ) crosses is located on chromosome 2. <i>American Journal of Botany</i> , 2002, 89, 1859-1866.	1.7	21
50	Resistance to Bacterial Canker in Tomato ( <i>Lycopersicon hirsutum</i> LA407) and its Progeny Derived from Crosses to <i>L. esculentum</i> . <i>Plant Disease</i> , 2001, 85, 1171-1176.	1.4	53
51	Genetic and Environmental Variation for Tomato Flesh Color in a Population of Modern Breeding Lines. <i>Journal of the American Society for Horticultural Science</i> , 2001, 126, 221-226.	1.0	42
52	Ultrastructural Characterization of Yellow Shoulder Disorder in a Uniform Ripening Tomato Genotype. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2000, 35, 1114-1117.	1.0	10
53	Population Genetics of <i>Pythium ultimum</i> . <i>Phytopathology</i> , 1997, 87, 454-461.	2.2	27
54	Genetic Variation in Homothallic and Hyphal Swelling Isolates of <i>Pythium ultimum</i> var. <i>ultimum</i> and <i>P. ultimum</i> var. <i>sporangiferum</i> . <i>Molecular Plant-Microbe Interactions</i> , 1994, 7, 766.	2.6	43

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55	Outcrossing in the homothallic oomycete, <i>Pythium ultimum</i> , detected with molecular markers. <i>Current Genetics</i> , 1993, 24, 100-106.	1.7	79