

# Philipp W Simon

## List of Publications by Year in descending order

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155  
papers

6,487  
citations

71102

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72  
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164  
all docs

164  
docs citations

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times ranked

5674  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic characterization of carrot root shape and size using genome-wide association analysis and genomic-estimated breeding values. <i>Theoretical and Applied Genetics</i> , 2022, 135, 605-622.	3.6	8
2	Physicochemical properties, degradation kinetics, and antioxidant capacity of aqueous anthocyanin-based extracts from purple carrots compared to synthetic and natural food colorants. <i>Food Chemistry</i> , 2022, 387, 132893.	8.2	13
3	Wild carrot diversity for new sources of abiotic stress tolerance to strengthen vegetable breeding in Bangladesh and Pakistan. <i>Crop Science</i> , 2021, 61, 163-176.	1.8	9
4	The influence of the Or and Carotene Hydroxylase genes on carotenoid accumulation in orange carrots [ <i>Daucus carota</i> (L.)]. <i>Theoretical and Applied Genetics</i> , 2021, 134, 3351-3362.	3.6	10
5	Genetic and Transcription Profile Analysis of Tissue-Specific Anthocyanin Pigmentation in Carrot Root Phloem. <i>Genes</i> , 2021, 12, 1464.	2.4	16
6	Development of Carrot Nutraceutical Products as an Alternative Supplement for the Prevention of Nutritional Diseases. <i>Frontiers in Nutrition</i> , 2021, 8, 787351.	3.7	4
7	Carrot Anthocyanins Genetics and Genomics: Status and Perspectives to Improve Its Application for the Food Colorant Industry. <i>Genes</i> , 2020, 11, 906.	2.4	32
8	Changes in the core endophytic mycobiome of carrot taproots in response to crop management and genotype. <i>Scientific Reports</i> , 2020, 10, 13685.	3.3	11
9	Subspecies Variation of <i>Daucus carota</i> Coastal (‘Gummifer’) Morphotypes (Apiaceae) Using Genotyping-by-Sequencing. <i>Systematic Botany</i> , 2020, 45, 688-702.	0.5	4
10	What is truth: Consensus and discordance in next-generation phylogenetic analyses of <i>Daucus</i> . <i>Journal of Systematics and Evolution</i> , 2020, 58, 1059-1070.	3.1	11
11	Overlapping Vitamin A Interventions with Provitamin A Carotenoids and Preformed Vitamin A Cause Excessive Liver Retinol Stores in Male Mongolian Gerbils. <i>Journal of Nutrition</i> , 2020, 150, 2912-2923.	2.9	13
12	Crop management system and carrot genotype affect endophyte composition and <i>Alternaria dauci</i> suppression. <i>PLoS ONE</i> , 2020, 15, e0233783.	2.5	19
13	Mining for Candidate Genes Controlling Secondary Growth of the Carrot Storage Root. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4263.	4.1	7
14	Diversity and function of terpene synthases in the production of carrot aroma and flavor compounds. <i>Scientific Reports</i> , 2020, 10, 9989.	3.3	23
15	Identification of an SCPL Gene Controlling Anthocyanin Acylation in Carrot ( <i>Daucus carota</i> L.) Root. <i>Frontiers in Plant Science</i> , 2020, 10, 1770.	3.6	21
16	Genome-Assisted Improvement Strategies for Climate-Resilient Carrots. , 2020, , 309-343.		2
17	Cell Membrane Stability and Relative Cell Injury in Response to Heat Stress during Early and Late Seedling Stages of Diverse Carrot ( <i>Daucus carota</i> L.) Germplasm. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2020, 55, 1446-1452.	1.0	19
18	Extended studies of interspecific relationships in <i>Daucus</i> (Apiaceae) using DNA sequences from ten nuclear orthologues. <i>Botanical Journal of the Linnean Society</i> , 2019, 191, 164-187.	1.6	3

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19	Dissecting the genetic control of root and leaf tissue-specific anthocyanin pigmentation in carrot ( <i>Daucus carota</i> L.). <i>Theoretical and Applied Genetics</i> , 2019, 132, 2485-2507.	3.6	27
20	Carrot Carotenoid Genetics and Genomics. <i>Compendium of Plant Genomes</i> , 2019, , 247-260.	0.5	14
21	The Carrot Nuclear Genome and Comparative Analysis. <i>Compendium of Plant Genomes</i> , 2019, , 187-204.	0.5	1
22	Carrot Organelle Genomes: Organization, Diversity, and Inheritance. <i>Compendium of Plant Genomes</i> , 2019, , 205-223.	0.5	0
23	Carrot Genetics, Omics and Breeding Toolboxes. <i>Compendium of Plant Genomes</i> , 2019, , 225-245.	0.5	3
24	Classical and Molecular Carrot Breeding. <i>Compendium of Plant Genomes</i> , 2019, , 137-147.	0.5	7
25	Carrot Leaves Maintain Liver Vitamin A Concentrations in Male Mongolian Gerbils Regardless of the Ratio of $\beta$ - to $\beta$ -Carotene When $\beta$ -Carotene Equivalents Are Equalized. <i>Journal of Nutrition</i> , 2019, 149, 951-958.	2.9	5
26	Total Adipose Retinol Concentrations Are Correlated with Total Liver Retinol Concentrations in Male Mongolian Gerbils, but Only Partially Explained by Chylomicron Deposition Assessed with Total $\beta$ -Retinol. <i>Current Developments in Nutrition</i> , 2019, 3, nzy096.	0.3	5
27	PTIS Potato Herbarium Transferred to WIS, the Wisconsin State Herbarium. <i>American Journal of Potato Research</i> , 2019, 96, 625-628.	0.9	0
28	Distributions and Conservation Status of Carrot Wild Relatives in Tunisia: A Case Study in the Western Mediterranean Basin. <i>Crop Science</i> , 2019, 59, 2317-2328.	1.8	12
29	Variation for Salinity Tolerance During Seed Germination in Diverse Carrot [ <i>Daucus carota</i> (L.)] Germplasm. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2019, 54, 38-44.	1.0	24
30	Variation for Heat Tolerance During Seed Germination in Diverse Carrot [ <i>Daucus carota</i> (L.)] Germplasm. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2019, 54, 1470-1476.	1.0	11
31	Genotyping-by-sequencing reveals the origin of the Tunisian relatives of cultivated carrot ( <i>Daucus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 1.6		
32	Dissecting the Genetic Architecture of Shoot Growth in Carrot ( <i>Daucus carota</i> L.) Using a Diallel Mating Design. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 411-426.	1.8	25
33	An Automated Image Analysis Pipeline Enables Genetic Studies of Shoot and Root Morphology in Carrot ( <i>Daucus carota</i> L.). <i>Frontiers in Plant Science</i> , 2018, 9, 1703.	3.6	29
34	Carotenoid Presence Is Associated with the Or Gene in Domesticated Carrot. <i>Genetics</i> , 2018, 210, 1497-1508.	2.9	75
35	Sustaining the Future of Plant Breeding: The Critical Role of the USDA-ARS National Plant Germplasm System. <i>Crop Science</i> , 2018, 58, 451-468.	1.8	91
36	A Cluster of MYB Transcription Factors Regulates Anthocyanin Biosynthesis in Carrot ( <i>Daucus carota</i> ) Tj ETQq0 0 0.1rgBT /Overlock 10 Tf 3.8 64		

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37	Entire plastid phylogeny of the carrot genus ( <i>Daucus</i> , Apiaceae): Concordance with nuclear data and mitochondrial and nuclear DNA insertions to the plastid. <i>American Journal of Botany</i> , 2017, 104, 296-312.	1.7	46
38	Fine Mapping, Transcriptome Analysis, and Marker Development for <i>Y2</i> , the Gene That Conditions $\beta$ -Carotene Accumulation in Carrot ( <i>Daucus carota</i> L.). <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 2665-2675.	1.8	48
39	Characterization of a Genomic Region under Selection in Cultivated Carrot ( <i>Daucus carota</i> subsp.) Tj ETQq1 1 0.784314 rgBT /Overlo	3.6	37
40	Phylogenetic Prediction of <i>Alternaria</i> Leaf Blight Resistance in Wild and Cultivated Species of Carrots. <i>Crop Science</i> , 2017, 57, 2645-2653.	1.8	3
41	Patterns of Gene Flow between Crop and Wild Carrot, <i>Daucus carota</i> (Apiaceae) in the United States. <i>PLoS ONE</i> , 2016, 11, e0161971.	2.5	16
42	<sup>13</sup> C Natural Abundance of Serum Retinol Is a Novel Biomarker for Evaluating Provitamin A Carotenoid-Biofortified Maize Consumption in Male Mongolian Gerbils. <i>Journal of Nutrition</i> , 2016, 146, 1290-1297.	2.9	7
43	Genotyping-by-sequencing provides the discriminating power to investigate the subspecies of <i>Daucus carota</i> (Apiaceae). <i>BMC Evolutionary Biology</i> , 2016, 16, 234.	3.2	44
44	Isolation and characterization of plastid terminal oxidase gene from carrot and its relation to carotenoid accumulation. <i>Plant Gene</i> , 2016, 5, 13-21.	2.3	7
45	A high-quality carrot genome assembly provides new insights into carotenoid accumulation and asterid genome evolution. <i>Nature Genetics</i> , 2016, 48, 657-666.	21.4	432
46	SHORT HYPOCOTYL 1 Encodes a SMARCA3-like Chromatin Remodeling Factor Regulating Elongation. <i>Plant Physiology</i> , 2016, 172, pp.00501.2016.	4.8	22
47	Nuclear DNA content variation within the genus <i>Daucus</i> (Apiaceae) determined by flow cytometry. <i>Scientia Horticulturae</i> , 2016, 209, 132-138.	3.6	20
48	Integrated Molecular and Morphological Studies of the <i>Daucus guttatus</i> Complex (Apiaceae). <i>Systematic Botany</i> , 2016, 41, 479-492.	0.5	15
49	Lectotype Designation for Seven Species Names in the <i>Daucus guttatus</i> Complex (Apiaceae) from the Central and Eastern Mediterranean Basin. <i>Systematic Botany</i> , 2016, 41, 464-478.	0.5	10
50	Application of genomics-assisted breeding for generation of climate resilient crops: progress and prospects. <i>Frontiers in Plant Science</i> , 2015, 6, 563.	3.6	243
51	Development and validation of new SSR markers from expressed regions in the garlic genome. <i>Scientia Agricola</i> , 2015, 72, 41-46.	1.2	25
52	Meloidogyne incognita nematode resistance QTL in carrot. <i>Molecular Breeding</i> , 2015, 35, 1.	2.1	23
53	Identification and Characterization of Terpene Synthases Potentially Involved in the Formation of Volatile Terpenes in Carrot ( <i>Daucus carota</i> L.) Roots. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 4870-4878.	5.2	58
54	Composition and (in)homogeneity of carotenoid crystals in carrot cells revealed by high resolution Raman imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 1395-1400.	3.9	19

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55	A gene-derived SNP-based high resolution linkage map of carrot including the location of QTL conditioning root and leaf anthocyanin pigmentation. <i>BMC Genomics</i> , 2014, 15, 1118.	2.8	64
56	Testing the utility of matK and ITS DNA regions for discrimination of <i>Allium</i> species. <i>Turkish Journal of Botany</i> , 2014, 38, 203-212.	1.2	9
57	Diversity, genetic mapping, and signatures of domestication in the carrot ( <i>Daucus carota</i> L.) genome, as revealed by Diversity Arrays Technology (DART) markers. <i>Molecular Breeding</i> , 2014, 33, 625-637.	2.1	61
58	Inheritance and Mapping of <i>Mj-2</i> , a New Source of Root-knot Nematode ( <i>Meloidogyne</i> ) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 6	2.4	31
59	Fruit morphological descriptors as a tool for discrimination of <i>Daucus</i> L. germplasm. <i>Genetic Resources and Crop Evolution</i> , 2014, 61, 499-510.	1.6	15
60	Phylogenomics of the carrot genus ( <i>Daucus</i> ), Apiaceae). <i>American Journal of Botany</i> , 2014, 101, 1666-1685.	1.7	42
61	Morphometrics of <i>Daucus</i> (Apiaceae): A counterpart to a phylogenomic study. <i>American Journal of Botany</i> , 2014, 101, 2005-2016.	1.7	17
62	Next-generation sequencing, FISH mapping and synteny-based modeling reveal mechanisms of decreasing dysploidy in <i>Cucumis</i> . <i>Plant Journal</i> , 2014, 77, 16-30.	5.7	90
63	Maize Genotype and Food Matrix Affect the Provitamin A Carotenoid Bioefficacy from Staple and Carrot-Fortified Feeds in Mongolian Gerbils ( <i>Meriones unguiculatus</i> ). <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 136-143.	5.2	23
64	Mitochondrial atp9 genes from petaloid male-sterile and male-fertile carrots differ in their status of heteroplasmy, recombination involvement, post-transcriptional processing as well as accumulation of RNA and protein product. <i>Theoretical and Applied Genetics</i> , 2014, 127, 1689-1701.	3.6	23
65	Reassessment of Practical Subspecies Identifications of the USDA <i>Daucus carota</i> L. Germplasm Collection: Morphological Data. <i>Crop Science</i> , 2014, 54, 706-718.	1.8	19
66	Conversion of a diversity arrays technology marker differentiating wild and cultivated carrots to a co-dominant cleaved amplified polymorphic site marker.. <i>Acta Biochimica Polonica</i> , 2014, 61, .	0.5	10
67	Transcript Abundance of Phytoene Synthase 1 and Phytoene Synthase 2 Is Associated with Natural Variation of Storage Root Carotenoid Pigmentation in Carrot. <i>Journal of the American Society for Horticultural Science</i> , 2014, 139, 63-68.	1.0	25
68	Conversion of a diversity arrays technology marker differentiating wild and cultivated carrots to a co-dominant cleaved amplified polymorphic site marker. <i>Acta Biochimica Polonica</i> , 2014, 61, 19-22.	0.5	10
69	DcSto: carrot Stowaway-like elements are abundant, diverse, and polymorphic. <i>Genetica</i> , 2013, 141, 255-267.	1.1	15
70	Formation of Norisoprenoid Flavor Compounds in Carrot ( <i>Daucus carota</i> L.) Roots: Characterization of a Cyclic-Specific Carotenoid Cleavage Dioxygenase 1 Gene. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 12244-12252.	5.2	43
71	Molecular mapping of vernalization requirement and fertility restoration genes in carrot. <i>Theoretical and Applied Genetics</i> , 2013, 126, 415-423.	3.6	56
72	Quantification of the Relative Abundance of Plastome to Nuclear Genome in Leaf and Root Tissues of Carrot ( <i>Daucus carota</i> L.) Using Quantitative PCR. <i>Plant Molecular Biology Reporter</i> , 2013, 31, 1040-1047.	1.8	4

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73	Expression and mapping of anthocyanin biosynthesis genes in carrot. <i>Theoretical and Applied Genetics</i> , 2013, 126, 1689-1702.	3.6	77
74	Genetic structure and domestication of carrot ( <i>Daucus carota</i> subsp. <i>sativus</i> ) (Apiaceae). <i>American Journal of Botany</i> , 2013, 100, 930-938.	1.7	167
75	Molecular Phylogeny of <i>Daucus</i> (Apiaceae). <i>Systematic Botany</i> , 2013, 38, 850-857.	0.5	25
76	Horticultural Crops as a Source of Carotenoids. , 2013, , 293-301.		3
77	Against the traffic. <i>Mobile Genetic Elements</i> , 2012, 2, 261-266.	1.8	38
78	Using next-generation sequencing approaches to isolate simple sequence repeat (SSR) loci in the plant sciences. <i>American Journal of Botany</i> , 2012, 99, 193-208.	1.7	414
79	De novo assembly of the carrot mitochondrial genome using next generation sequencing of whole genomic DNA provides first evidence of DNA transfer into an angiosperm plastid genome. <i>BMC Plant Biology</i> , 2012, 12, 61.	3.6	114
80	Genetic diversity of carrot ( <i>Daucus carota</i> L.) cultivars revealed by analysis of SSR loci. <i>Genetic Resources and Crop Evolution</i> , 2012, 59, 163-170.	1.6	55
81	<i>Daucus</i> . , 2011, , 91-113.		24
82	Comparative FISH mapping of <i>Daucus</i> species (Apiaceae family). <i>Chromosome Research</i> , 2011, 19, 493-506.	2.2	42
83	Microsatellite isolation and marker development in carrot - genomic distribution, linkage mapping, genetic diversity analysis and marker transferability across Apiaceae. <i>BMC Genomics</i> , 2011, 12, 386.	2.8	90
84	De novo assembly and characterization of the carrot transcriptome reveals novel genes, new markers, and genetic diversity. <i>BMC Genomics</i> , 2011, 12, 389.	2.8	178
85	Genome-wide characterization of simple sequence repeats in cucumber ( <i>Cucumis sativus</i> L.). <i>BMC Genomics</i> , 2010, 11, 569.	2.8	316
86	RoBuST: an integrated genomics resource for the root and bulb crop families Apiaceae and Alliaceae. <i>BMC Plant Biology</i> , 2010, 10, 161.	3.6	14
87	Extensive Variation in Fried Chip Color and Tuber Composition in Cold-Stored Tubers of Wild Potato ( <i>Solanum</i> ) Germplasm. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 2368-2376.	5.2	34
88	Anthocyanins in Purple-Orange Carrots ( <i>Daucus carota</i> L.) Do Not Influence the Bioavailability of $\beta$ -Carotene in Young Women. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 2877-2881.	5.2	14
89	SplinkBES: a splinkerette-based method for generating long end sequences from large insert DNA libraries. <i>BioTechniques</i> , 2009, 47, 681-690.	1.8	1
90	Ploidy manipulation of the gametophyte, endosperm and sporophyte in nature and for crop improvement: a tribute to Professor Stanley J. Peloquin (1921-2008). <i>Annals of Botany</i> , 2009, 104, 795-807.	2.9	51

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91	Serum $\beta$ - and $\alpha$ -Carotene Concentrations Qualitatively Respond to Sustained Carrot Feeding. <i>Experimental Biology and Medicine</i> , 2009, 234, 1280-1286.	2.4	7
92	Characterization of a deep-coverage carrot ( <i>Daucus carota</i> L.) BAC library and initial analysis of BAC-end sequences. <i>Molecular Genetics and Genomics</i> , 2009, 281, 273-288.	2.1	41
93	Diversity of DcMaster-like elements of the PIF/Harbinger superfamily in the carrot genome. <i>Genetica</i> , 2009, 135, 347-353.	1.1	14
94	Major QTL for carrot color are positionally associated with carotenoid biosynthetic genes and interact epistatically in a domesticated–wild carrot cross. <i>Theoretical and Applied Genetics</i> , 2009, 119, 1155-1169.	3.6	84
95	Combined $\beta$ -methylacyl coenzyme A racemase/p53 analysis to identify dysplasia in inflammatory bowel disease. <i>Human Pathology</i> , 2009, 40, 166-173.	2.0	32
96	Bioavailability of Anthocyanins from Purple Carrot Juice: Effects of Acylation and Plant Matrix. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 1226-1230.	5.2	125
97	Antioxidant Phytochemicals and Antioxidant Capacity of Biofortified Carrots ( <i>Daucus carota</i> L.) of Various Colors. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 4142-4147.	5.2	138
98	Bioavailability of purple carrot anthocyanins is influenced by acylation but not plant matrix effects. <i>FASEB Journal</i> , 2009, 23, 729.6.	0.5	0
99	Assessing phenotypic, biochemical, and molecular diversity in coriander ( <i>Coriandrum sativum</i> L.) germplasm. <i>Genetic Resources and Crop Evolution</i> , 2008, 55, 247-275.	1.6	41
100	AMACR expression in colorectal cancer is associated with left-sided tumor localization. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2008, 453, 243-248.	2.8	32
101	Major cytogenetic landmarks and karyotype analysis in <i>Daucus carota</i> and other Apiaceae. <i>American Journal of Botany</i> , 2008, 95, 793-804.	1.7	41
102	Carrot. , 2008, , 327-357.		42
103	Molecular characterization of Kastamonu garlic: An economically important garlic clone in Turkey. <i>Scientia Horticulturae</i> , 2008, 115, 203-208.	3.6	18
104	Genetic characterization of <i>Allium tuncelianum</i> : An endemic edible <i>Allium</i> species with garlic odor. <i>Scientia Horticulturae</i> , 2008, 115, 409-415.	3.6	28
105	Early Identification of Stable Transformation Events by Combined Use of Antibiotic Selection and Vital Detection of Green Fluorescent Protein (GFP) in Carrot ( <i>Daucus carota</i> L.) Callus. <i>Agricultural Sciences in China</i> , 2008, 7, 664-671.	0.6	6
106	Chromatin Structure and Physical Mapping of Chromosome 6 of Potato and Comparative Analyses With Tomato. <i>Genetics</i> , 2008, 180, 1307-1317.	2.9	82
107	A Chromosome-Specific Estimate of Transmission of Heterozygosity by 2n Gametes in Potato. <i>Journal of Heredity</i> , 2008, 99, 177-181.	2.4	46
108	Distinct Subcellular Expression Patterns of Neutral Endopeptidase (CD10) in Prostate Cancer Predict Diverging Clinical Courses in Surgically Treated Patients. <i>Clinical Cancer Research</i> , 2008, 14, 7838-7842.	7.0	62



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109	Biofortified Carrot Intake Enhances Liver Antioxidant Capacity and Vitamin A Status in Mongolian Gerbils <sup>1</sup> . <i>Journal of Nutrition</i> , 2008, 138, 1692-1698.	2.9	25
110	Bioactive compounds with high antioxidant potential in biofortified carrots do not influence provitamin A carotenoid bioefficacy in gerbils. <i>FASEB Journal</i> , 2008, 22, 1105.5.	0.5	1
111	$\beta$ -Carotene from Red Carrot Maintains Vitamin A Status, but Lycopene Bioavailability Is Lower Relative to Tomato Paste in Mongolian Gerbils. <i>Journal of Nutrition</i> , 2007, 137, 1395-1400.	2.9	29
112	The DcMaster Transposon Display maps polymorphic insertion sites in the carrot ( <i>Daucus carota</i> L.) genome. <i>Gene</i> , 2007, 390, 67-74.	2.2	29
113	Nuclear and cytoplasmic genome composition of <i>Solanum bulbocastanum</i> (+) <i>S. tuberosum</i> somatic hybrids. <i>Genome</i> , 2007, 50, 443-450.	2.0	37
114	Effect of Cooking on Garlic ( <i>Allium sativum</i> L.) Antiplatelet Activity and Thiosulfinates Content. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 1280-1288.	5.2	93
115	Compatibility relations between the edible carrot <i>Daucus carota</i> and <i>D. Æpusillus</i> , a related wild species from the Argentinian Pampas. <i>Euphytica</i> , 2007, 159, 103-109.	1.2	8
116	Carrot. , 2007, , 161-184.		9
117	beta-€Carotene in red carrot maintains vitamin A status in Mongolian gerbils ( <i>Meriones unguiculatus</i> ) but lycopene is more bioavailable from tomato paste. <i>FASEB Journal</i> , 2007, 21, A351.	0.5	0
118	Sequence homology of polymorphic AFLP markers in garlic ( <i>Allium sativum</i> L.). <i>Genome</i> , 2006, 49, 1246-1255.	2.0	17
119	Bioavailability of $\beta$ -carotene ( $\beta$ C) from purple carrots is the same as typical orange carrots while high- $\beta$ C carrots increase $\beta$ C stores in Mongolian gerbils( <i>Meriones unguiculatus</i> ). <i>British Journal of Nutrition</i> , 2006, 96, 258-267.	2.3	32
120	Heritabilities and Minimum Gene Number Estimates of Carrot Carotenoids. <i>Euphytica</i> , 2006, 151, 79-86.	1.2	37
121	Master: a novel family of PIF/Harbinger-like transposable elements identified in carrot ( <i>Daucus carota</i> ) Tj ETQq1 1 0,784314 rgBT /Ove	2.1	22
122	Carrot. Genetic Resources, Chromosome Engineering, and Crop Improvement Series, 2006, , 497-518.	0.3	3
123	Molecular Tagging and Selection for Sugar Type in Carrot Roots Using Co-dominant, PCR-based Markers. <i>Molecular Breeding</i> , 2005, 16, 1-10.	2.1	20
124	Genetic, Physiological, and Environmental Factors Affecting Acrylamide Concentration in Fried Potato Products. , 2005, 561, 371-386.		16
125	Plasma and Urine Responses Are Lower for Acylated vs Nonacylated Anthocyanins from Raw and Cooked Purple Carrots. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 6537-6542.	5.2	166
126	Carotenoid Profiles and Consumer Sensory Evaluation of Specialty Carrots ( <i>Daucus carota</i> , L.) of Various Colors. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 3417-3421.	5.2	149



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127	Lutein and $\beta$ -carotene from lutein-containing yellow carrots are bioavailable in humans. <i>American Journal of Clinical Nutrition</i> , 2004, 80, 131-136.	4.7	45
128	Merging Carrot Linkage Groups based on Conserved Dominant AFLP Markers in F2 Populations. <i>Journal of the American Society for Horticultural Science</i> , 2004, 129, 211-217.	1.0	12
129	A 2.5-kb insert eliminates acid soluble invertase isozyme II transcript in carrot ( <i>Daucus carota</i> L.) roots, causing high sucrose accumulation. <i>Plant Molecular Biology</i> , 2003, 53, 151-162.	3.9	28
130	Comparison of AFLPs, RAPD Markers, and Isozymes for Diversity Assessment of Garlic and Detection of Putative Duplicates in Germplasm Collections. <i>Journal of the American Society for Horticultural Science</i> , 2003, 128, 246-252.	1.0	84
131	Some AFLP amplicons are highly conserved DNA sequences mapping to the same linkage groups in two F2 populations of carrot. <i>Genetics and Molecular Biology</i> , 2002, 25, 195-201.	1.3	16
132	Title is missing!. <i>Euphytica</i> , 2002, 127, 353-365.	1.2	32
133	Molecular Diversity Analysis of Cultivated Carrot ( <i>Daucus carota</i> L.) and Wild <i>Daucus</i> Populations Reveals a Genetically Nonstructured Composition. <i>Journal of the American Society for Horticultural Science</i> , 2002, 127, 383-391.	1.0	49
134	Title is missing!. <i>Euphytica</i> , 1999, 105, 183-189.	1.2	20
135	Diallel Analysis of Resistance in Carrot to <i>Alternaria</i> Leaf Blight. <i>Journal of the American Society for Horticultural Science</i> , 1998, 123, 412-415.	1.0	24
136	Genetic Relationships and Diversity in Carrot and other <i>Daucus</i> Taxa Based on Nuclear Restriction Fragment Length Polymorphisms. <i>Journal of the American Society for Horticultural Science</i> , 1998, 123, 1053-1057.	1.0	8
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