

# Peter M Bramley

## List of Publications by Year in descending order

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85  
papers

11,071  
citations

57719

44  
h-index

54882

84  
g-index

85  
all docs

85  
docs citations

85  
times ranked

10155  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Relative Antioxidant Activities of Plant-Derived Polyphenolic Flavonoids. <i>Free Radical Research</i> , 1995, 22, 375-383.	1.5	1,741
2	Antioxidant activities of carotenes and xanthophylls. <i>FEBS Letters</i> , 1996, 384, 240-242.	1.3	831
3	Chemical derivatization and mass spectral libraries in metabolic profiling by GC/MS and LC/MS/MS. <i>Journal of Experimental Botany</i> , 2005, 56, 219-243.	2.4	562
4	Fruit-specific RNAi-mediated suppression of DET1 enhances carotenoid and flavonoid content in tomatoes. <i>Nature Biotechnology</i> , 2005, 23, 890-895.	9.4	450
5	Evaluation of transgenic tomato plants expressing an additional phytoene synthase in a fruit-specific manner. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 1092-1097.	3.3	434
6	Elevation of the provitamin A content of transgenic tomato plants. <i>Nature Biotechnology</i> , 2000, 18, 666-669.	9.4	384
7	Application of high-performance liquid chromatography with photodiode array detection to the metabolic profiling of plant isoprenoids. <i>Plant Journal</i> , 2000, 24, 551-558.	2.8	356
8	Manipulation of the Blue Light Photoreceptor Cryptochrome 2 in Tomato Affects Vegetative Development, Flowering Time, and Fruit Antioxidant Content. <i>Plant Physiology</i> , 2005, 137, 199-208.	2.3	352
9	Constitutive expression of a fruit phytoene synthase gene in transgenic tomatoes causes dwarfism by redirecting metabolites from the gibberellin pathway. <i>Plant Journal</i> , 1995, 8, 693-701.	2.8	341
10	Regulation of carotenoid formation during tomato fruit ripening and development. <i>Journal of Experimental Botany</i> , 2002, 53, 2107-2113.	2.4	309
11	Metabolic engineering of the mevalonate and non-mevalonate isopentenyl diphosphate-forming pathways for the production of health-promoting isoprenoids in tomato. <i>Plant Biotechnology Journal</i> , 2004, 3, 17-27.	4.1	306
12	Why Do We Expect Carotenoids to be Antioxidants <i>in vivo</i> ? <i>Free Radical Research</i> , 1997, 26, 381-398.	1.5	300
13	Is lycopene beneficial to human health?. <i>Phytochemistry</i> , 2000, 54, 233-236.	1.4	292
14	Manipulation of Phytoene Levels in Tomato Fruit: Effects on Isoprenoids, Plastids, and Intermediary Metabolism. <i>Plant Cell</i> , 2007, 19, 3194-3211.	3.1	276
15	PlantProm: a database of plant promoter sequences. <i>Nucleic Acids Research</i> , 2003, 31, 114-117.	6.5	240
16	Identification and quantification of carotenoids, tocopherols and chlorophylls in commonly consumed fruits and vegetables. <i>Phytochemistry</i> , 2003, 62, 939-947.	1.4	182
17	Differences in the Carotenoid Content of Ordinary Citrus and Lycopene-Accumulating Mutants. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 5474-5481.	2.4	161
18	Integrative Transcript and Metabolite Analysis of Nutritionally Enhanced <i>DE-ETIOLATED1</i> Downregulated Tomato Fruit. <i>Plant Cell</i> , 2010, 22, 1190-1215.	3.1	160

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19	Phytoene synthase-2 enzyme activity in tomato does not contribute to carotenoid synthesis in ripening fruit. <i>Plant Molecular Biology</i> , 1999, 40, 687-698.	2.0	159
20	Metabolic engineering of ketocarotenoid formation in higher plants. <i>Plant Journal</i> , 2004, 39, 477-486.	2.8	157
21	Fibrillin influence on plastid ultrastructure and pigment content in tomato fruit. <i>Phytochemistry</i> , 2007, 68, 1545-1556.	1.4	154
22	A Proteomic-Based Approach for Detection of Chicken in Meat Mixes. <i>Journal of Proteome Research</i> , 2010, 9, 3374-3383.	1.8	136
23	Genetic engineering of carotenoid formation in tomato fruit and the potential application of systems and synthetic biology approaches. <i>Archives of Biochemistry and Biophysics</i> , 2009, 483, 196-204.	1.4	129
24	Metabolite profiling of plant carotenoids using the matrix-assisted laser desorption ionization time-of-flight mass spectrometry. <i>Plant Journal</i> , 2007, 49, 552-564.	2.8	126
25	Phytoene synthase from tomato ( <i>Lycopersicon esculentum</i> ) chloroplasts - partial purification and biochemical properties. <i>Planta</i> , 2000, 211, 361-369.	1.6	115
26	Subchromoplast Sequestration of Carotenoids Affects Regulatory Mechanisms in Tomato Lines Expressing Different Carotenoid Gene Combinations. <i>Plant Cell</i> , 2013, 25, 4560-4579.	3.1	112
27	Stimulation of carotenoid metabolism in arbuscular mycorrhizal roots. <i>Planta</i> , 2002, 216, 148-154.	1.6	108
28	Biochemical characterization of transgenic tomato plants in which carotenoid synthesis has been inhibited through the expression of antisense RNA to pTOM5. <i>Plant Journal</i> , 1992, 2, 343-349.	2.8	99
29	Metabolite profiling of carotenoid and phenolic pathways in mutant and transgenic lines of tomato: Identification of a high antioxidant fruit line. <i>Phytochemistry</i> , 2006, 67, 1750-1757.	1.4	95
30	To dye or not to dye: biochemistry of annatto unveiled. <i>Trends in Biotechnology</i> , 2003, 21, 513-516.	4.9	90
31	The regulation of carotenoid formation in tomato fruit. <i>Plant Journal</i> , 2017, 89, 774-788.	2.8	86
32	Effects of Food Processing on Flavonoids and Lycopene Status in a Mediterranean Tomato Variety. <i>Free Radical Research</i> , 2002, 36, 803-810.	1.5	81
33	The role of the potato ( <i>Solanum tuberosum</i> ) <i>CCD8</i> gene in stolon and tuber development. <i>New Phytologist</i> , 2013, 198, 1108-1120.	3.5	75
34	Cloning and characterization of a gene involved in phytoene synthesis from tomato. <i>Plant Molecular Biology</i> , 1992, 19, 401-404.	2.0	74
35	Regulation of Carotenoid Biosynthesis. <i>Current Topics in Cellular Regulation</i> , 1988, 29, 291-343.	9.6	73
36	Isomerization of Lycopene in the Gastric Milieu. <i>Biochemical and Biophysical Research Communications</i> , 2001, 281, 576-581.	1.0	73

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37	Oligopeptides Arising from the Degradation of Creatine Kinase in Spanish Dry-Cured Ham. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 8982-8988.	2.4	69
38	Naturally Generated Small Peptides Derived from Myofibrillar Proteins in Serrano Dry-Cured Ham. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 3228-3234.	2.4	69
39	Expression of a Tomato cDNA Coding for Phytoene Synthase in <i>Escherichia coli</i> , Phytoene Formation In Vivo and In Vitro, and Functional Analysis of the Various Truncated Gene Products1. <i>Journal of Biochemistry</i> , 1994, 116, 980-985.	0.9	66
40	Accumulation of health promoting phytochemicals in wild relatives of tomato and their contribution to in vitro antioxidant activity. <i>Phytochemistry</i> , 2010, 71, 1104-1114.	1.4	64
41	A genome-wide metabolomic resource for tomato fruit from <i>Solanum pennellii</i> . <i>Scientific Reports</i> , 2014, 4, 3859.	1.6	60
42	The in Vitro Biosynthesis of Carotenoids. <i>Advances in Lipid Research</i> , 1985, 21, 243-279.	1.8	59
43	Isomerization of dietary lycopene during assimilation and transport in plasma. <i>Free Radical Research</i> , 2000, 32, 93-102.	1.5	56
44	Carotene biosynthesis by cell extracts of mutants of <i>Phycomyces blakesleeianus</i> . <i>Phytochemistry</i> , 1975, 14, 463-469.	1.4	49
45	Methyl Glucosyl-3,4-dehydro-apo-8 $\epsilon$ -lycopenoate, a Novel Antioxidative Glyco-C30-carotenoid Acid Produced by a Marine Bacterium <i>Planococcus maritimus</i> . <i>Journal of Antibiotics</i> , 2008, 61, 729-735.	1.0	48
46	Elevation of carotenoids in tomato by genetic manipulation. <i>Journal of the Science of Food and Agriculture</i> , 2001, 81, 822-827.	1.7	46
47	Oral treatment of chickens with <i>Lactobacillus reuteri</i> LM1 reduces <i>Brachyspira pilosicoli</i> -induced pathology. <i>Journal of Medical Microbiology</i> , 2013, 62, 287-296.	0.7	44
48	BSE Control: Detection of gelatine-derived peptides in animal feed by mass spectrometry. <i>Analyst</i> , The, 2004, 129, 111-115.	1.7	42
49	Inhibition of Phytoene Desaturase – the Mode of Action of Certain Bleaching Herbicides. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1984, 39, 443-449.	0.6	40
50	Carotene biosynthesis with isolated photosynthetic membranes. <i>FEBS Letters</i> , 1982, 140, 203-206.	1.3	38
51	Introduction of sense constructs of cinnamate 4-hydroxylase (CYP73A24) in transgenic tomato plants shows opposite effects on flux into stem lignin and fruit flavonoids. <i>Phytochemistry</i> , 2007, 68, 1497-1509.	1.4	37
52	Carotenoid biosynthesis by <i>Aphanocapsa homogenates</i> coupled to a phytoene-generating system from <i>Phycomyces blakesleeianus</i> . <i>Planta</i> , 1985, 164, 259-263.	1.6	34
53	Metabolomic approach for the detection of mechanically recovered meat in food products. <i>Food Chemistry</i> , 2011, 125, 1468-1475.	4.2	34
54	In vitro and in vivo biosynthesis of xanthophylls by the cyanobacterium <i>Aphanocapsa</i> . <i>Phytochemistry</i> , 1985, 24, 2919-2922.	1.4	32

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55	The Formation and Sequestration of Nonendogenous Ketocarotenoids in Transgenic <i>Nicotiana glauca</i> . <i>Plant Physiology</i> , 2017, 173, 1617-1635.	2.3	32
56	The photoregulation of carotenoid biosynthesis in <i>Aspergillus giganteus</i> mut. alba. <i>Planta</i> , 1988, 174, 59-66.	1.6	30
57	Development and optimisation of a label-free quantitative proteomic procedure and its application in the assessment of genetically modified tomato fruit. <i>Proteomics</i> , 2013, 13, 2016-2030.	1.3	30
58	Measurement issues associated with quantitative molecular biology analysis of complex food matrices for the detection of food fraud. <i>Analyst</i> , 2016, 141, 45-61.	1.7	30
59	Analysis of carotenoids by high performance liquid chromatography and diode-array detection. <i>Phytochemical Analysis</i> , 1992, 3, 97-104.	1.2	28
60	New Herbicidal Inhibitors of Carotene Biosynthesis. <i>Journal of Pesticide Sciences</i> , 1985, 10, 19-24.	0.8	25
61	$\beta^2$ -Carotene biosynthesis by extracts of the C115 mutant of <i>Phycomyces blakesleeana</i> . <i>Phytochemistry</i> , 1976, 15, 1913-1916.	1.4	24
62	Product stability and sequestration mechanisms in <i>Solanum tuberosum</i> engineered to biosynthesize high value ketocarotenoids. <i>Plant Biotechnology Journal</i> , 2016, 14, 140-152.	4.1	24
63	Evaluation of stable isotope labelling strategies for the quantitation of CP4 EPSPS in genetically modified soya. <i>Analytica Chimica Acta</i> , 2009, 634, 75-82.	2.6	23
64	Characterisation of alleles of tomato light signalling genes generated by TILLING. <i>Phytochemistry</i> , 2012, 79, 78-86.	1.4	23
65	Isoprenoid, Lipid, and Protein Contents in Intact Plastids Isolated from Mesocarp Cells of Traditional and High-Pigment Tomato Cultivars at Different Ripening Stages. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 1764-1775.	2.4	22
66	The sub-cellular localisation of the potato ( <i>Solanum tuberosum</i> L.) carotenoid biosynthetic enzymes, CrtRb2 and PSY2. <i>Protoplasma</i> , 2013, 250, 1381-1392.	1.0	22
67	Alternative pathways of carotene cyclisation in <i>Phycomyces blakesleeana</i> . <i>Phytochemistry</i> , 1977, 16, 235-238.	1.4	21
68	Gibberellin Biosynthesis in gib Mutants of <i>Gibberella fujikuroi</i> . <i>Journal of Biological Chemistry</i> , 1995, 270, 14970-14974.	1.6	21
69	C-terminal sequencing by mass spectrometry: Application to gelatine-derived proline-rich peptides. <i>Proteomics</i> , 2005, 5, 1209-1216.	1.3	19
70	Genetic modification of tomato with the tobacco lycopene $\beta^2$ -cyclase gene produces high $\beta^2$ -carotene and lycopene fruit. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2016, 71, 295-301.	0.6	19
71	<i>Phycomyces blakesleeana</i> car B mutants: Their use in assays of phytoene desaturase. <i>Phytochemistry</i> , 1991, 30, 3971-3976.	1.4	18
72	The effect of diphenylamine on carotenogenesis in <i>Phycomyces blakesleeana</i> . <i>Phytochemistry</i> , 1983, 22, 435-439.	1.4	17

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73	Phytotoxicity of m-phenoxybenzamides: Inhibition of cell-free phytoene desaturation. Pesticide Biochemistry and Physiology, 1985, 23, 335-340.	1.6	15
74	Carotene biosynthesis by a cell extract of <i>Aspergillus giganteus</i> mut alba. Phytochemistry, 1987, 26, 2525-2529.	1.4	14
75	Genetic engineering of carotenoid formation in tomato. Phytochemistry Reviews, 2006, 5, 59-65.	3.1	14
76	The optimisation and application of a metabolite profiling procedure for the metabolic phenotyping of <i>Bacillus</i> species. Metabolomics, 2014, 10, 77-90.	1.4	14
77	Solubilization of carotenogenic enzymes of <i>Aphanocapsa</i> . Phytochemistry, 1987, 26, 1935-1939.	1.4	13
78	The identification and rapid extraction of hydrocarbons from <i>Nicotiana glauca</i> : A potential advanced renewable biofuel source. Phytochemistry Letters, 2012, 5, 455-458.	0.6	13
79	Antioxidant compounds and their bioaccessibility in tomato fruit and puree obtained from a DETIOLATED -1 (DET -1) down-regulated genetically modified genotype. Food Chemistry, 2016, 213, 735-741.	4.2	13
80	Carotenoid biosynthesis: a target site for bleaching herbicides. Biochemical Society Transactions, 1994, 22, 625-629.	1.6	12
81	Proteome changes in tomato lines transformed with phytoene synthase-1 in the sense and antisense orientations. Journal of Experimental Botany, 2012, 63, 6035-6043.	2.4	12
82	Inhibition of Carotene Biosynthesis in Cell Extracts of <i>Phycomyces blakesleeianus</i> . Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1984, 39, 460-463.	0.6	9
83	Production and characterisation of monoclonal antibodies to phytoene synthase of <i>lycopersicon esculentum</i> . Phytochemistry, 1998, 49, 971-978.	1.4	5
84	Purification of ent-kaurene oxidase from <i>Gibberella fujikuroi</i> and <i>Cucurbita maxima</i> . Biochemical Society Transactions, 1992, 20, 218S-218S.	1.6	3
85	Manipulating Carotenoids in Transgenic Plants. Annals of the New York Academy of Sciences, 1996, 792, 13-19.	1.8	0