

# Autar K Mattoo

## List of Publications by Year in descending order

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155  
papers

6,624  
citations

61857

43  
h-index

74018

75  
g-index

172  
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172  
docs citations

172  
times ranked

5290  
citing authors

#	ARTICLE	IF	CITATIONS
1	Anthocyanin-Rich Vegetables for Human Consumption—Focus on Potato, Sweetpotato and Tomato. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2634.	1.8	12
2	A tribute. <i>Plant Physiology Reports</i> , 2021, 26, 1-3.	0.7	2
3	Rhizobial—Host Interactions and Symbiotic Nitrogen Fixation in Legume Crops Toward Agriculture Sustainability. <i>Frontiers in Microbiology</i> , 2021, 12, 669404.	1.5	40
4	Differential Association of Free, Conjugated, and Bound Forms of Polyamines and Transcript Abundance of Their Biosynthetic and Catabolic Genes During Drought/Salinity Stress in Tomato ( <i>Solanum lycopersicum</i> L.) Leaves. <i>Frontiers in Plant Science</i> , 2021, 12, 743568.	1.7	8
5	Genomic analysis of the polyamine biosynthesis pathway in duckweed <i>Spirodela polyrhiza</i> L.: presence of the arginine decarboxylase pathway, absence of the ornithine decarboxylase pathway, and response to abiotic stresses. <i>Planta</i> , 2021, 254, 108.	1.6	6
6	Ethylene and RIPENING INHIBITOR Modulate Expression of SIHSP17.7A, B Class I Small Heat Shock Protein Genes During Tomato Fruit Ripening. <i>Frontiers in Plant Science</i> , 2020, 11, 975.	1.7	20
7	Polyamines and Their Biosynthesis/Catabolism Genes Are Differentially Modulated in Response to Heat Versus Cold Stress in Tomato Leaves ( <i>Solanum lycopersicum</i> L.). <i>Cells</i> , 2020, 9, 1749.	1.8	29
8	Identification, Phylogeny, and Comparative Expression of the Lipoxygenase Gene Family of the Aquatic Duckweed, <i>Spirodela polyrhiza</i> , during Growth and in Response to Methyl Jasmonate and Salt. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9527.	1.8	13
9	Editorial: Sustainable Production of Nutrient-Dense Foods. <i>Frontiers in Sustainable Food Systems</i> , 2020, 4, .	1.8	0
10	Engineered Ripening-Specific Accumulation of Polyamines Spermidine and Spermine in Tomato Fruit Upregulates Clustered C/D Box snoRNA Gene Transcripts in Concert with Ribosomal RNA Biogenesis in the Red Ripe Fruit. <i>Plants</i> , 2020, 9, 1710.	1.6	5
11	Editorial: Ethylene Biology and Beyond: Novel Insights in the Ethylene Pathway and Its Interactions. <i>Frontiers in Plant Science</i> , 2020, 11, 248.	1.7	2
12	Polyamines — A New Metabolic Switch: Crosstalk With Networks Involving Senescence, Crop Improvement, and Mammalian Cancer Therapy. <i>Frontiers in Plant Science</i> , 2019, 10, 859.	1.7	21
13	Fruit Architecture in Polyamine-Rich Tomato Germplasm Is Determined via a Medley of Cell Cycle, Cell Expansion, and Fruit Shape Genes. <i>Plants</i> , 2019, 8, 387.	1.6	14
14	Nexus Between Spermidine and Floral Organ Identity and Fruit/Seed Set in Tomato. <i>Frontiers in Plant Science</i> , 2019, 10, 1033.	1.7	12
15	Sustainable Crop Production Systems and Human Nutrition. <i>Frontiers in Sustainable Food Systems</i> , 2019, 3, .	1.8	24
16	Transcript Abundance Patterns of 9- and 13-Lipoxygenase Subfamily Gene Members in Response to Abiotic Stresses (Heat, Cold, Drought or Salt) in Tomato ( <i>Solanum lycopersicum</i> L.) Highlights Member-Specific Dynamics Relevant to Each Stress. <i>Genes</i> , 2019, 10, 683.	1.0	40
17	Polyamine as Signaling Molecules and Leaf Senescence. , 2019, , 125-138.		12
18	Photosystem-II D1 protein mutants of <i>Chlamydomonas reinhardtii</i> in relation to metabolic rewiring and remodelling of H-bond network at QB site. <i>Scientific Reports</i> , 2018, 8, 14745.	1.6	12

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19	Genome-wide identification of tomato ( <i>Solanum lycopersicum</i> L.) lipoxygenases coupled with expression profiles during plant development and in response to methyl-jasmonate and wounding. <i>Journal of Plant Physiology</i> , 2018, 231, 318-328.	1.6	47
20	Physio-Genetic Dissection of Dark-Induced Leaf Senescence and Timing Its Reversal in Barley. <i>Plant Physiology</i> , 2018, 178, 654-671.	2.3	40
21	Features of cues and processes during chloroplast-mediated retrograde signaling in the alga <i>Chlamydomonas</i> . <i>Plant Science</i> , 2018, 272, 193-206.	1.7	21
22	Sustainable Agriculture—Enhancing Environmental Benefits, Food Nutritional Quality and Building Crop Resilience to Abiotic and Biotic Stresses. <i>Agriculture (Switzerland)</i> , 2018, 8, 8.	1.4	72
23	Polyamines: Bio-Molecules with Diverse Functions in Plant and Human Health and Disease. <i>Frontiers in Chemistry</i> , 2018, 6, 10.	1.8	183
24	Transient regulation of three clustered tomato class-I small heat-shock chaperone genes by ethylene is mediated by SIMADS-RIN transcription factor. <i>Scientific Reports</i> , 2017, 7, 6474.	1.6	22
25	Chemosensory Responses to the Repellent <i>Nepeta</i> Essential Oil and Its Major Component Nepetalactone by <i>Aedes aegypti</i> (Diptera: Culicidae), a Vector of Zika Virus. <i>Journal of Medical Entomology</i> , 2017, 54, 957-963.	0.9	9
26	Pathogenesis-Related Protein 1b1 (PR1b1) Is a Major Tomato Fruit Protein Responsive to Chilling Temperature and Upregulated in High Polyamine Transgenic Genotypes. <i>Frontiers in Plant Science</i> , 2016, 7, 901.	1.7	61
27	Plant Antimicrobial Peptides. , 2016, , 111-136.		19
28	Fruit metabolite networks in engineered and non-engineered tomato genotypes reveal fluidity in a hormone and agroecosystem specific manner. <i>Metabolomics</i> , 2016, 12, 103.	1.4	21
29	Seed dormancy is modulated in recently evolved chlorsulfuron-resistant Turkish biotypes of wild mustard ( <i>Sinapis arvensis</i> ). <i>Frontiers in Chemistry</i> , 2015, 3, 46.	1.8	12
30	Polyamine Interactions with Plant Hormones: Crosstalk at Several Levels. , 2015, , 267-302.		49
31	Abiotic Stress in Crops: Candidate Genes, Osmolytes, Polyamines, and Biotechnological Intervention. , 2015, , 415-437.		6
32	Translational research in agricultural biology—enhancing crop resistivity against environmental stress alongside nutritional quality. <i>Frontiers in Chemistry</i> , 2014, 2, 30.	1.8	10
33	Genetic introgression of ethylene-suppressed transgenic tomatoes with higher-polyamines trait overcomes many unintended effects due to reduced ethylene on the primary metabolome. <i>Frontiers in Plant Science</i> , 2014, 5, 632.	1.7	23
34	Enhanced flux of substrates into polyamine biosynthesis but not ethylene in tomato fruit engineered with yeast S-adenosylmethionine decarboxylase gene. <i>Amino Acids</i> , 2014, 46, 729-742.	1.2	46
35	Multitasking antimicrobial peptides in plant development and host defense against biotic/abiotic stress. <i>Plant Science</i> , 2014, 228, 135-149.	1.7	95
36	Biotechnology of fruit quality.. , 2014, , 259-290.		8

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37	Functional Foods: Genetics, Metabolome, and Engineering Phytonutrient Levels. , 2013, , 1715-1749.		7
38	Target of Rapamycin Signaling Regulates Metabolism, Growth, and Life Span in <i>Arabidopsis</i> . Plant Cell, 2013, 24, 4850-4874.	3.1	235
39	Mutations of Photosystem II D1 Protein That Empower Efficient Phenotypes of <i>Chlamydomonas reinhardtii</i> under Extreme Environment in Space. PLoS ONE, 2013, 8, e64352.	1.1	23
40	Expression of an Engineered Heterologous Antimicrobial Peptide in Potato Alters Plant Development and Mitigates Normal Abiotic and Biotic Responses. PLoS ONE, 2013, 8, e77505.	1.1	39
41	Polyamines Attenuate Ethylene-Mediated Defense Responses to Abrogate Resistance to <i>Botrytis cinerea</i> in Tomato. Plant Physiology, 2012, 158, 1034-1045.	2.3	111
42	Tomato response to legume cover crop and nitrogen: differing enhancement patterns of fruit yield, photosynthesis and gene expression. Functional Plant Biology, 2012, 39, 246.	1.1	19
43	Fruit development and ripening. , 2012, , 405-424.		12
44	Methyl jasmonate deficiency alters cellular metabolome, including the aminome of tomato ( <i>Solanum</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.2	43
45	Features of a unique intronless cluster of class I small heat shock protein genes in tandem with box C/D snoRNA genes on chromosome 6 in tomato ( <i>Solanum lycopersicum</i> ). Planta, 2012, 235, 453-471.	1.6	31
46	POLYAMINE SPERMIDINE IS AN UPSTREAM NEGATOR OF ETHYLENE-REGULATED PATHOGENESIS OF BOTRYTIS CINEREA IN TOMATO LEAF. Acta Horticulturae, 2011, , 109-112.	0.1	5
47	Polyamines and cellular metabolism in plants: transgenic approaches reveal different responses to diamine putrescine versus higher polyamines spermidine and spermine. Amino Acids, 2010, 38, 405-413.	1.2	142
48	Differential and functional interactions emphasize the multiple roles of polyamines in plants. Plant Physiology and Biochemistry, 2010, 48, 540-546.	2.8	126
49	Overexpression of yeast spermidine synthase impacts ripening, senescence and decay symptoms in tomato. Plant Journal, 2010, 63, 836-847.	2.8	120
50	NMR-Metabolic Methodology in the Study of GM Foods. Nutrients, 2010, 2, 1-15.	1.7	28
51	Genetic Engineering to Enhance Crop-Based Phytonutrients (Nutraceuticals) to Alleviate Diet-Related Diseases. Advances in Experimental Medicine and Biology, 2010, 698, 122-143.	0.8	24
52	Maturity and ripening-stage specific modulation of tomato ( <i>Solanum lycopersicum</i> ) fruit transcriptome. GM Crops, 2010, 1, 237-249.	1.8	20
53	Biotechnological Interventions to Improve Plant Developmental Traits. , 2010, , 199-248.		4
54	NMR-metabolic methodology in the study of GM foods. Nutrients, 2010, 2, 1-15.	1.7	3

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55	Absence of the major light-harvesting antenna proteins alters the redox properties of photosystem II reaction centres in the <i>chlL</i> mutant of barley. <i>Biochemistry and Cell Biology</i> , 2009, 87, 557-566.	0.9	4
56	Nitric oxide donor-mediated inhibition of phosphorylation shows that light-mediated degradation of photosystem II D1 protein and phosphorylation are not tightly linked. <i>Planta</i> , 2009, 229, 1347-1352.	1.6	11
57	D1-protein dynamics in photosystem II: the lingering enigma. <i>Photosynthesis Research</i> , 2008, 98, 609-620.	1.6	187
58	Sucrose non-fermenting 1-related protein kinase 2 (SnRK2): a family of protein kinases involved in hyperosmotic stress signaling. <i>Physiology and Molecular Biology of Plants</i> , 2008, 14, 91-100.	1.4	30
59	Nitrosylated proteins of a medicinal CAM plant <i>Kalanchoe pinnata</i> ribulose-1,5-bisphosphate carboxylase/oxygenase activity targeted for inhibition. <i>FEBS Journal</i> , 2008, 275, 2862-2872.	2.2	118
60	Higher polyamines restore and enhance metabolic memory in ripening fruit. <i>Plant Science</i> , 2008, 174, 386-393.	1.7	84
61	A field-grown transgenic tomato line expressing higher levels of polyamines reveals legume cover crop mulch-specific perturbations in fruit phenotype at the levels of metabolite profiles, gene expression, and agronomic characteristics. <i>Journal of Experimental Botany</i> , 2008, 59, 2337-2346.	2.4	39
62	Genetic manipulation of vegetable crops to alleviate diet-related diseases. , 2008, , 326-345.		2
63	Future Perspectives. <i>Advances in Photosynthesis and Respiration</i> , 2008, , 23-38.	1.0	9
64	Polyamines as anabolic growth regulators revealed by transcriptome analysis and metabolite profiles of tomato fruits engineered to accumulate spermidine and spermine. <i>Plant Biotechnology</i> , 2007, 24, 57-70.	0.5	38
65	Overaccumulation of Higher Polyamines in Ripening Transgenic Tomato Fruit Revives Metabolic Memory, Upregulates Anabolism-Related Genes, and Positively Impacts Nutritional Quality. <i>Journal of AOAC INTERNATIONAL</i> , 2007, 90, 1456-1464.	0.7	45
66	Polyamines cross-talk with phospholipase A2 to regulate gene expression in tomato fruit and other plant models. <i>FASEB Journal</i> , 2007, 21, A1044.	0.2	1
67	Overaccumulation of higher polyamines in ripening transgenic tomato fruit revives metabolic memory, upregulates anabolism-related genes, and positively impacts nutritional quality. <i>Journal of AOAC INTERNATIONAL</i> , 2007, 90, 1456-64.	0.7	20
68	Nuclear Magnetic Resonance Spectroscopy-Based Metabolite Profiling of Transgenic Tomato Fruit Engineered to Accumulate Spermidine and Spermine Reveals Enhanced Anabolic and Nitrogen-Carbon Interactions. <i>Plant Physiology</i> , 2006, 142, 1759-1770.	2.3	141
69	Crop Genetic Responses to Management. <i>Books in Soils, Plants, and the Environment</i> , 2006, , 221-230.	0.1	5
70	Up-regulation of a photosystem II core protein phosphatase inhibitor and sustained D1 phosphorylation in zeaxanthin-retaining, photoinhibited needles of overwintering Douglas fir. <i>Plant, Cell and Environment</i> , 2005, 28, 232-240.	2.8	54
71	Cleavage of the Carboxyl-Terminus of LEACS2, a Tomato 1-Aminocyclopropane-1-Carboxylic Acid Synthase Isomer, by a 64-kDa Tomato Metalloprotease Produces a Truncated but Active Enzyme. <i>Journal of Integrative Plant Biology</i> , 2005, 47, 1352-1363.	4.1	5
72	Cover Crop Residues Enhance Growth, Improve Yield, and Delay Leaf Senescence in Greenhouse-grown Tomatoes. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2005, 40, 1307-1311.	0.5	25

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73	Synergistic Effects of the Combined Application of MCP and Low O <sub>2</sub> on Apple Fruit Ripening. Hortscience: A Publication of the American Society for Horticultural Science, 2005, 40, 1143D-1144.	0.5	0
74	Ethylene Signaling in Plant Cell Death. , 2004, , 125-142.		12
75	An alternative agriculture system is defined by a distinct expression profile of select gene transcripts and proteins. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10535-10540.	3.3	42
76	Thiol-activated serine proteinases from nymphal hemolymph of the African migratory locust, <i>Locusta migratoria migratorioides</i> . Archives of Biochemistry and Biophysics, 2003, 410, 83-88.	1.4	5
77	Delayed Abscission and Shorter Internodes Correlate with a Reduction in the Ethylene Receptor LeETR1 Transcript in Transgenic Tomato. Plant Physiology, 2002, 128, 978-987.	2.3	68
78	Phosphorylation of the D1 Photosystem II Reaction Center Protein Is Controlled by an Endogenous Circadian Rhythm. Plant Physiology, 2002, 130, 2069-2075.	2.3	42
79	A biosensor for the detection of triazine and phenylurea herbicides designed using Photosystem II coupled to a screen-printed electrode. Biotechnology and Bioengineering, 2002, 78, 110-116.	1.7	105
80	Engineered polyamine accumulation in tomato enhances phytonutrient content, juice quality, and vine life. Nature Biotechnology, 2002, 20, 613-618.	9.4	352
81	D1-D2 protein degradation in the chloroplast. FEBS Journal, 2001, 260, 527-532.	0.2	70
82	A spectrum of genes expressed during early stages of rice panicle and flower development. Journal of Genetics, 2000, 79, 25-32.	0.4	4
83	Ultraviolet-B Radiation Impacts Light-Mediated Turnover of the Photosystem II Reaction Center Heterodimer in Arabidopsis Mutants Altered in Phenolic Metabolism. Plant Physiology, 2000, 124, 1275-1284.	2.3	141
84	Dynamic metabolism of photosystem II reaction center proteins and pigments. Physiologia Plantarum, 1999, 107, 454-461.	2.6	59
85	Amplified Degradation of Photosystem II D1 and D2 Proteins under a Mixture of Photosynthetically Active Radiation and UVB Radiation: Dependence on Redox Status of Photosystem II. Photochemistry and Photobiology, 1999, 69, 553-559.	1.3	42
86	Low Temperature Storage Induces Acid Invertase in Potato Tubers ( <i>Solanum tuberosum</i> ). Journal of Plant Physiology, 1999, 154, 346-350.	1.6	3
87	Photoregulation and Photoprotection of the Photosystem II Reaction Center Heterodimer. , 1999, , 549-571.		1
88	Ethylene, Polyamines and Fruit Ripening. Current Plant Science and Biotechnology in Agriculture, 1999, , 591-595.	0.0	1
89	A sensitive photosystem II-based biosensor for detection of a class of herbicides. Biotechnology and Bioengineering, 1998, 60, 664-669.	1.7	77
90	[7] Peptidylprolyl cis-trans-isomerases from plant organelles. Methods in Enzymology, 1998, 290, 84-100.	0.4	6

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91	Evidence for light-dependent and light-independent protein dephosphorylation in chloroplasts. FEBS Letters, 1997, 411, 236-238.	1.3	26
92	Title is missing!. Plant and Soil, 1997, 194, 205-216.	1.8	34
93	Ethylene " Biosynthesis and perception. Critical Reviews in Plant Sciences, 1996, 15, 479-523.	2.7	125
94	Ultraviolet-B effects on Spirodela oligorrhiza: induction of different protection mechanisms. Plant Science, 1996, 115, 217-223.	1.7	40
95	Identification and Amino Acid Sequences of Tryptic Peptides of a Novel Ferredoxin-NADP+ Oxidoreductase from Rice. Plant and Cell Physiology, 1996, 37, 1183-1187.	1.5	3
96	Accelerated Degradation of the D2 Protein of Photosystem II Under Ultraviolet Radiation. Photochemistry and Photobiology, 1996, 63, 814-817.	1.3	49
97	Low threshold levels of ultraviolet-B in a background of photosynthetically active radiation trigger rapid degradation of the D2 protein of photosystem-II. Plant Journal, 1996, 9, 693-699.	2.8	107
98	The mRNA for an ETR1 homologue in tomato is constitutively expressed in vegetative and reproductive tissues. Plant Molecular Biology, 1996, 30, 1331-1338.	2.0	132
99	Tomato ACC Synthase: Regulation of Gene Expression and Importance of the C-Terminal Region in Enzyme Activity. Current Plant Science and Biotechnology in Agriculture, 1993, , 223-231.	0.0	2
100	Regulation of the 32 kD-D1 Photosystem II Reaction Center Protein. , 1993, , 131-156.		1
101	Nucleotide Sequence of the Nicotiana tabacum cv Xanthi Gene Encoding 1-Aminocyclopropane-1-Carboxylate Synthase. Plant Physiology, 1992, 100, 1615-1616.	2.3	32
102	A functional tomato ACC synthase expressed in Escherichia coli demonstrates suicidal inactivation by its substrate S-adenosylmethionine. FEBS Letters, 1992, 306, 103-107.	1.3	8
103	Accumulation of wound-inducible ACC synthase transcript in tomato fruit is inhibited by salicylic acid and polyamines. Plant Molecular Biology, 1992, 18, 477-487.	2.0	171
104	Copper-induced ethylene biosynthesis in terrestrial (Nicotiana tabacum) and aquatic (Spirodela) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2	1.4	34
105	Redox-Regulated Protein Phosphorylation and Photosystem II Function. , 1992, , 533-537.		0
106	PS II Inhibitor Binding, QB-Mediated Electron Flow and Rapid Degradation are Separable Properties of the D1 Reaction Centre Protein. , 1992, , 303-311.		1
107	Differential Protein Metabolism and Gene Expression in Tomato Fruit during Wounding Stress1. Plant and Cell Physiology, 1991, 32, 1057-1065.	1.5	19
108	Nucleotide sequence of the Spirodela oligorrhiza chloroplast psbA gene coding for the D1 (32 kDa) photosystem II protein. Plant Molecular Biology, 1991, 17, 919-921.	2.0	6

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109	Wound-regulated accumulation of specific transcripts in tomato fruit: interactions with fruit development, ethylene and light. <i>Plant Molecular Biology</i> , 1991, 17, 453-464.	2.0	26
110	Translational Modification of an 18 Kilodalton Polypeptide by Spermidine in Rice Cell Suspension Cultures. <i>Plant Physiology</i> , 1991, 95, 1294-1297.	2.3	28
111	Free Radical Scavengers Inhibit Light-Dependent Degradation of the 32 kDa Photosystem II Reaction Center Protein. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1990, 45, 412-417.	0.6	60
112	Degradation of the 32 kDa Photosystem II Reaction Center Protein in UV, Visible and Far Red Light Occurs Through a Common 23.5 kDa Intermediate. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1989, 44, 450-452.	0.6	41
113	Hydrolytic Enzyme Activities and Protein Pattern of Avocado Fruit Ripened in Air and in Low Oxygen, with and without Ethylene. <i>Plant Physiology</i> , 1989, 90, 259-266.	2.3	50
114	Distribution of Thylakoid Proteins between Stromal and Granal Lamellae in <i>Spirodela</i> . <i>Plant Physiology</i> , 1989, 91, 629-635.	2.3	50
115	Changes in Sugars, Enzymic Activities and Acid Phosphatase Isoenzyme Profiles of Bananas Ripened in Air or Stored in 2.5% O <sub>2</sub> with and without Ethylene. <i>Plant Physiology</i> , 1989, 90, 251-258.	2.3	48
116	Visualization of acid phosphatase activity on nitrocellulose filters following electroblotting of polyacrylamide gels. <i>Analytical Biochemistry</i> , 1989, 179, 194-197.	1.1	6
117	Identification of covalently bound fatty acids on acylated proteins immobilized on nitrocellulose paper. <i>Analytical Biochemistry</i> , 1989, 183, 220-224.	1.1	14
118	1-Aminocyclopropane-1-carboxylic-acid-dependent ethylene production during re-formation of vacuoles in evacuated protoplasts of <i>Petunia hybrida</i> . <i>Planta</i> , 1989, 179, 196-202.	1.6	18
119	Dynamics of the photosystem II reaction center. <i>Cell</i> , 1989, 56, 241-246.	13.5	316
120	Rapid in Vivo Acylation of Acyl Carrier Protein with Exogenous Fatty Acids in <i>Spirodela oligorrhiza</i> . <i>Plant Physiology</i> , 1989, 89, 707-711.	2.3	11
121	Induction and Characterization of the Ethylene Biosynthesis-Inducing Xylanase Produced by the Fungus, <i>Trichoderma Viride</i> . , 1989, , 49-56.		3
122	Trafficking and Distribution of the Photosynthetic Reaction Centre Proteins in the Chloroplast Membranes. , 1989, , 189-193.		0
123	Ethylene and Plant Senescence. , 1988, , 241-280.		44
124	Molecular Dynamics of the 32,000-Dalton Photosystem II Herbicide-Binding Protein. <i>ACS Symposium Series</i> , 1988, , 248-257.	0.5	5
125	Degradation of the 32 kD Herbicide Binding Protein in Far Red Light. <i>Plant Physiology</i> , 1987, 84, 348-352.	2.3	40
126	Posttranslational Acylation and Intra-Thylakoid Translocation of Specific Chloroplast Proteins. , 1987, , 799-802.		8

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127	Induction by Copper Ions of Ethylene Production in <i>Spirodela oligorrhiza</i> : Evidence for a Pathway Independent of 1-Aminocyclopropane-1-carboxylic Acid. <i>Journal of Plant Physiology</i> , 1986, 123, 193-202.	1.6	58
128	Identification and characterization of the <i>psbA</i> gene product: The 32-kDa chloroplast membrane protein. <i>Methods in Enzymology</i> , 1986, , 384-396.	0.4	58
129	Enhancement by Ethylene of Cellulysin-Induced Ethylene Production by Tobacco Leaf Discs. <i>Plant Physiology</i> , 1984, 74, 99-103.	2.3	40
130	Adaptive reorganization of protein and lipid components in chloroplast membranes as associated with herbicide binding. <i>Journal of Cellular Biochemistry</i> , 1984, 24, 163-175.	1.2	32
131	Ethylene Binding During Leaf Development and Senescence and Its Inhibition by Silver Nitrate. <i>Journal of Plant Physiology</i> , 1984, 117, 243-248.	1.6	28
132	Malate dehydrogenase from thermophilic <i>Humicola lanuginosa</i> and <i>Mucor pusillus</i> : purification and comparative properties of the enzymes with differing thermostabilities. <i>Canadian Journal of Biochemistry and Cell Biology</i> , 1984, 62, 559-565.	1.3	11
133	Wound-Induced Increase in 1-Aminocyclopropane-1-Carboxylate Synthase Activity: Regulatory Aspects and Membrane Association of the Enzyme. , 1984, , 139-147.		9
134	Purification and Properties of the Ethylene-Inducing Factor from the Cell Wall Digesting Mixture, Cellulysin. , 1984, , 189-198.		6
135	Ethylene Biosynthesis in Tobacco Leaf Discs in Relation to Ethylene Treatment, Cellulysin Application and Fungal Infection. , 1984, , 181-188.		0
136	Variations in Adenylates and Adenylate Energy Charge During Phosphate-mediated Inhibition of Ethylene Biosynthesis in <i>Penicillium digitatum</i> . <i>Zeitschrift für Pflanzenphysiologie</i> , 1983, 111, 301-309.	1.4	2
137	A Compendium of Characteristics for the Rapidly-Metabolized 32 Kd Protein of the Chloroplast Membrane. , 1983, , 187-192.		0
138	Inhibition of Ethylene Biosynthesis by Aminoethoxyvinylglycine and by Polyamines Shunts Label from 3,4-[ <sup>14</sup> C]Methionine into Spermidine in Aged Orange Peel Discs. <i>Plant Physiology</i> , 1982, 69, 385-388.	2.3	172
139	Temperature-dependent inhibitory effects of calcium and spermine on ethylene biosynthesis in apple discs correlate with changes in microsomal membrane microviscosity. <i>Plant Science Letters</i> , 1982, 24, 239-247.	1.9	76
140	Induction of ethylene biosynthesis in tobacco leaf discs by cell wall digesting enzymes. <i>Biochemical and Biophysical Research Communications</i> , 1982, 107, 588-596.	1.0	54
141	Presence of the rapidly-labelled 32 000-dalton chloroplast membrane protein in triazine resistant biotypes. <i>FEBS Letters</i> , 1982, 140, 36-40.	1.3	16
142	Membrane association and some characteristics of the ethylene forming enzyme from etiolated pea seedlings. <i>Biochemical and Biophysical Research Communications</i> , 1982, 105, 271-278.	1.0	25
143	Processing of a Chloroplast-Translated Membrane Protein in vivo. Analysis of the Rapidly Synthesized 32000-dalton Shield Protein and Its Precursor in <i>Spivodefa oligorrhiza</i> . <i>FEBS Journal</i> , 1982, 124, 125-129.	0.2	95
144	Biosynthesis of ethylene in higher plants: the metabolic site of inhibition by phosphate.. <i>Plant, Cell and Environment</i> , 1981, 4, 291-295.	2.8	12

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145	Polyamines Inhibit Biosynthesis of Ethylene in Higher Plant Tissue and Fruit Protoplasts. <i>Plant Physiology</i> , 1981, 68, 453-456.	2.3	217
146	Biosynthesis of ethylene in higher plants: the metabolic site of inhibition by phosphate*. <i>Plant, Cell and Environment</i> , 1981, 4, 291-295.	2.8	6
147	Biosynthesis of ethylene: the effect of phosphate <sup>*</sup> . <i>Plant, Cell and Environment</i> , 1980, 3, 349-356.	2.8	23
148	Influence of Enol Ether Amino Acids, Inhibitors of Ethylene Biosynthesis, on Aminoacyl Transfer RNA Synthetases and Protein Synthesis. <i>Plant Physiology</i> , 1979, 64, 289-292.	2.3	34
149	Characterization of the Phosphate-mediated Control of Ethylene Production by <i>Penicillium digitatum</i> . <i>Plant Physiology</i> , 1979, 64, 55-60.	2.3	14
150	COMPARATIVE TEMPERATURE STABILITY PROPERTIES OF MALATE DEHYDROGENASES FROM SOME THERMOPHILIC FUNGI*. <i>International Journal of Peptide and Protein Research</i> , 1979, 14, 99-106.	0.1	8
151	Stimulation of growth and glucose catabolite enzymes by succinate in some thermophilic fungi. <i>Archives of Microbiology</i> , 1978, 118, 49-53.	1.0	15
152	Localization of the Ethylene-synthesizing System in Apple Tissue. <i>Plant Physiology</i> , 1977, 60, 794-799.	2.3	79
153	Subcellular Distributions of Isoenzymes in Fruits of a Normal Cultivar of Tomato and of the rin Mutant at Two Stages of Development. <i>Plant Physiology</i> , 1977, 60, 496-498.	2.3	13
154	The ATP-dependent reductive carboxylation of 2-oxoglutarate using cytosol from rat liver. <i>Biochemical and Biophysical Research Communications</i> , 1976, 71, 712-718.	1.0	9
155	Properties of the Isocitrate Synthase System from Rat Liver. <i>Biochemical Society Transactions</i> , 1976, 4, 1058-1060.	1.6	4