

Hiroshi Ashihara

List of Publications by Year in descending order

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197
papers

8,356
citations

53794

45
h-index

62596

80
g-index

233
all docs

233
docs citations

233
times ranked

6783
citing authors

#	ARTICLE	IF	CITATIONS
1	Purine salvage in plants. <i>Phytochemistry</i> , 2018, 147, 89-124.	2.9	65
2	Xanthine Alkaloids: Occurrence, Biosynthesis, and Function in Plants. <i>Progress in the Chemistry of Organic Natural Products</i> , 2017, 105, 1-88.	1.1	50
3	CAFFEINE BIOSYNTHESIS AND PURINE METABOLISM IN LEAVES OF MASCAROCOFFEA SPECIES. <i>European Chemical Bulletin</i> , 2017, 6, 223.	2.7	5
4	Biosynthetic Pathways of Purine and Pyridine Alkaloids in Coffee Plants. <i>Natural Product Communications</i> , 2016, 11, 1934578X1601100.	0.5	1
5	De novo Biosynthesis of Trigonelline in Fenugreek (<i>Trigonella foenum-graecum</i>) seedlings. <i>Natural Product Communications</i> , 2016, 11, 1934578X1601100.	0.5	1
6	Effect of Caffeine on the Expression Pattern of Water-Soluble Proteins in Rice (<i>Oryza sativa</i>) Seedlings. <i>Natural Product Communications</i> , 2015, 10, 1934578X1501000.	0.5	2
7	Short Term Effect of Caffeine on Purine, Pyrimidine and Pyridine Metabolism in Rice (<i>Oryza sativa</i>) Seedlings. <i>Natural Product Communications</i> , 2015, 10, 1934578X1501000.	0.5	0
8	Effect of Purine Alkaloids on the Proliferation of Lettuce Cells Derived from Protoplasts. <i>Natural Product Communications</i> , 2015, 10, 1934578X1501000.	0.5	10
9	Metabolism of Purine Alkaloids and Xanthine in Leaves of Matã© (<i>Ilex paraguariensis</i>). <i>Natural Product Communications</i> , 2015, 10, 1934578X1501000.	0.5	1
10	Occurrence and <i>De novo</i> Biosynthesis of Caffeine and Theanine in Seedlings of Tea (<i>Camellia</i>) Tj ETQq0 0,0,rgBT /Overlock 10	0.5	12
11	Occurrence, Biosynthesis and Metabolism of Theanine (β -Glutamyl-L-ethylamide) in Plants: A Comprehensive Review. <i>Natural Product Communications</i> , 2015, 10, 1934578X1501000.	0.5	48
12	Trigonelline and related nicotinic acid metabolites: occurrence, biosynthesis, taxonomic considerations, and their roles in planta and in human health. <i>Phytochemistry Reviews</i> , 2015, 14, 765-798.	6.5	66
13	<i>Plant Biochemistry</i> . , 2015, , 19-28.		8
14	Metabolism of purine alkaloids and xanthine in leaves of matã© (<i>Ilex paraguariensis</i>). <i>Natural Product Communications</i> , 2015, 10, 707-12.	0.5	6
15	Effect of caffeine on the expression pattern of water-soluble proteins in rice (<i>Oryza sativa</i>) seedlings. <i>Natural Product Communications</i> , 2015, 10, 733-6.	0.5	5
16	Short-term effect of caffeine on purine, pyrimidine and pyridine metabolism in rice (<i>Oryza sativa</i>) seedlings. <i>Natural Product Communications</i> , 2015, 10, 737-41.	0.5	2
17	Effect of purine alkaloids on the proliferation of lettuce cells derived from protoplasts. <i>Natural Product Communications</i> , 2015, 10, 751-4.	0.5	8
18	Accumulation and Function of Trigonelline in Non-leguminous Plants. <i>Natural Product Communications</i> , 2014, 9, 1934578X1400900.	0.5	7

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19	The Co-Occurrence of Two Pyridine Alkaloids, Mimosine and Trigonelline, in <i>Leucaena leucocephala</i> . <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2014, 69, 124-132.	1.4	6
20	Effect of nicotinic acid, nicotinamide and trigonelline on the proliferation of lettuce cells derived from protoplasts. <i>Phytochemistry Letters</i> , 2014, 7, 38-41.	1.2	35
21	Coffee: biochemistry and potential impact on health. <i>Food and Function</i> , 2014, 5, 1695-1717.	4.6	376
22	Accumulation of noncrystalline cellulose in <i>Physarum microplasmidia</i> . <i>Protoplasma</i> , 2013, 250, 1105-1113.	2.1	0
23	Biosynthesis and Catabolism of Purine Alkaloids. <i>Advances in Botanical Research</i> , 2013, , 111-138.	1.1	26
24	Profiles of Phenolic Compounds and Purine Alkaloids during the Development of Seeds of <i>Theobroma cacao</i> cv. Trinitario. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 427-434.	5.2	42
25	Purine Alkaloids, Cytokinins, and Purine-Like Neurotoxin Alkaloids. , 2013, , 953-975.		7
26	Metabolic Fate of ¹⁴ C-Labelled Nicotinamide and Adenine in Germinating Propagules of the Mangrove <i>Bruguiera gymnorrhiza</i> . <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2012, 67, 319-326.	1.4	1
27	Pyridine metabolism in tea plants: salvage, conjugate formation and catabolism. <i>Journal of Plant Research</i> , 2012, 125, 781-791.	2.4	15
28	Comparison of the formation of nicotinic acid conjugates in leaves of different plant species. <i>Plant Physiology and Biochemistry</i> , 2012, 60, 190-195.	5.8	21
29	Xanthosine metabolism in plants: Metabolic fate of exogenously supplied ¹⁴ C-labelled xanthosine and xanthine in intact mungbean seedlings. <i>Phytochemistry Letters</i> , 2012, 5, 100-103.	1.2	9
30	Effect of phosphate deficiency on the content and biosynthesis of anthocyanins and the expression of related genes in suspension-cultured grape (<i>Vitis</i> sp.) cells. <i>Plant Physiology and Biochemistry</i> , 2012, 55, 77-84.	5.8	25
31	Distribution, Biosynthesis and Catabolism of Methylxanthines in Plants. <i>Handbook of Experimental Pharmacology</i> , 2011, , 11-31.	1.8	42
32	Pyridine Metabolism and Trigonelline Synthesis in Leaves of the Mangrove Legume trees <i>Derris indica</i> (<i>Millettia pinnata</i>) and <i>Caesalpinia crista</i> . <i>Natural Product Communications</i> , 2011, 6, 1934578X1100601.	0.5	4
33	Trigonelline biosynthesis and the pyridine nucleotide cycle in <i>Coffea arabica</i> fruits: Metabolic fate of [carboxyl- ¹⁴ C]nicotinic acid riboside. <i>Phytochemistry Letters</i> , 2011, 4, 235-239.	1.2	10
34	Brassinolide-improved development of <i>Brassica napus</i> microspore-derived embryos is associated with increased activities of purine and pyrimidine salvage pathways. <i>Planta</i> , 2011, 233, 95-107.	3.2	18
35	Distinct fluctuations in nucleotide metabolism accompany the enhanced in vitro embryogenic capacity of <i>Brassica</i> cells over-expressing SHOOTMERISTEMLESS. <i>Planta</i> , 2011, 234, 1251-1265.	3.2	7
36	Nicotinamide metabolism in ferns: Formation of nicotinic acid glucoside. <i>Plant Physiology and Biochemistry</i> , 2011, 49, 275-279.	5.8	13

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37	Pyridine metabolism and trigonelline synthesis in leaves of the mangrove legume trees <i>Derris indica</i> (<i>Millettia pinnata</i>) and <i>Caesalpinia crista</i> . <i>Natural Product Communications</i> , 2011, 6, 1835-8.	0.5	9
38	Evidence for Deposition of Cellulose Prior to Dark-starvation Treatment During Spherulation in <i>Physarum microplasmodia</i> . <i>Cytologia</i> , 2010, 75, 397-407.	0.6	3
39	Pyridine salvage and nicotinic acid conjugate synthesis in leaves of mangrove species. <i>Phytochemistry</i> , 2010, 71, 47-53.	2.9	12
40	Distribution and biosynthesis of flavan-3-ols in <i>Camellia sinensis</i> seedlings and expression of genes encoding biosynthetic enzymes. <i>Phytochemistry</i> , 2010, 71, 559-566.	2.9	105
41	Distribution and biosynthesis of theanine in Theaceae plants. <i>Plant Physiology and Biochemistry</i> , 2010, 48, 70-72.	5.8	56
42	Profiles of Purine Metabolism in Leaves and Roots of <i>Camellia sinensis</i> Seedlings. <i>Plant and Cell Physiology</i> , 2010, 51, 2105-2118.	3.1	45
43	Metabolic Alterations in Organic Acids and $\hat{1}^3$ -Aminobutyric Acid in Developing Tomato (<i>Solanum</i>) Tj ETQq1 1 0.784314 rgBT /Overloc 3.1 69	3.1	69
44	Ethylamine Content and Theanine Biosynthesis in Different Organs of <i>Camellia sinensis</i> Seedlings. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2009, 64, 387-390.	1.4	42
45	Profiles of the biosynthesis and metabolism of pyridine nucleotides in potatoes (<i>Solanum tuberosum</i>) Tj ETQq1 1 0.784314 rgBT /Overloc 3.2 26	3.2	26
46	Phosphate levels and expression of phosphoribosylpyrophosphate synthetase isozymes in suspension-cultured <i>Arabidopsis thaliana</i> cells. <i>Phytochemistry Letters</i> , 2009, 2, 126-129.	1.2	3
47	Long-term effect of NaCl on the activity of uridine and uracil salvage for nucleotide synthesis in cultured mangrove (<i>Bruguiera sexangula</i>) cells. <i>Plant Science</i> , 2009, 176, 383-389.	3.6	10
48	Caffeine and related purine alkaloids: Biosynthesis, catabolism, function and genetic engineering. <i>Phytochemistry</i> , 2008, 69, 841-856.	2.9	328
49	Changes in pyridine metabolism profile during growth of trigonelline-forming <i>Lotus japonicus</i> cell cultures. <i>Phytochemistry</i> , 2008, 69, 2891-2898.	2.9	16
50	Production of a new low-caffeine hybrid coffee and the biochemical mechanism of low caffeine accumulation. <i>Euphytica</i> , 2008, 164, 133-142.	1.2	23
51	Biosynthesis of trigonelline from nicotinate mononucleotide in mungbean seedlings. <i>Phytochemistry</i> , 2008, 69, 390-395.	2.9	18
52	Biosynthesis of theanine ($\hat{1}^3$ -ethylamino-l-glutamic acid) in seedlings of <i>Camellia sinensis</i> . <i>Phytochemistry Letters</i> , 2008, 1, 115-119.	1.2	98
53	Fine control of caffeine biosynthesis in tissue cultures of <i>Camellia sinensis</i> . <i>Phytochemistry Letters</i> , 2008, 1, 195-198.	1.2	19
54	Nicotinate riboside salvage in plants: Presence of nicotinate riboside kinase in mungbean seedlings. <i>Plant Physiology and Biochemistry</i> , 2008, 46, 104-108.	5.8	15

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55	Metabolism of nicotinamide, adenine and inosine in developing microspore-derived canola (Brassica) Tj ETQq1 1 0.784314 rgBT / Over	5.8	16
56	Biochemical Mechanism on GABA Accumulation During Fruit Development in Tomato. Plant and Cell Physiology, 2008, 49, 1378-1389.	3.1	165
57	Pyrimidine salvage and catabolism in leaves of mangrove species. Plant Science, 2008, 174, 140-148.	3.6	8
58	Expression of Glucose-6-phosphate Dehydrogenase and 6-Phosphogluconate Dehydrogenase Isoform Genes in Suspension-Cultured Arabidopsis thaliana Cells. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2008, 63, 713-720.	1.4	3
59	Expression of Caffeine Biosynthesis Genes in Tea (Camellia sinensis). Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2008, 63, 267-270.	1.4	27
60	Biosynthesis and Catabolism of Purine Alkaloids in <i>Camellia</i> Plants. Natural Product Communications, 2008, 3, 1934578X0800300.	0.5	5
61	Trigonelline (<i>N</i> -methylnicotinic acid) Biosynthesis and its Biological Role in Plants. Natural Product Communications, 2008, 3, 1934578X0800300.	0.5	12
62	Involvement of rapid nucleotide synthesis in recovery from phosphate starvation of <i>Catharanthus roseus</i> cells. Journal of Experimental Botany, 2007, 58, 1025-1033.	4.8	16
63	Biosynthesis of Chlorogenic Acids in Growing and Ripening Fruits of <i>Coffea arabica</i> and <i>Coffea canephora</i> Plants. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2007, 62, 731-742.	1.4	45
64	Comparative studies on pyrimidine metabolism in excised cotyledons of <i>Pinus radiata</i> during shoot formation in vitro. Journal of Plant Physiology, 2007, 164, 429-441.	3.5	8
65	Metabolic fate of nicotinamide in higher plants. Physiologia Plantarum, 2007, 131, 191-200.	5.2	58
66	Changes in content and biosynthetic activity of caffeine and trigonelline during growth and ripening of <i>Coffea arabica</i> and <i>Coffea canephora</i> fruits. Plant Science, 2006, 171, 242-250.	3.6	85
67	Changes of purine and pyrimidine nucleotide biosynthesis during shoot initiation from epicotyl explants of white spruce (<i>Picea glauca</i>). Plant Science, 2006, 171, 345-354.	3.6	10
68	Metabolism of alkaloids in coffee plants. Brazilian Journal of Plant Physiology, 2006, 18, 1-8.	0.5	73
69	Dual function of pyrimidine metabolism in potato (<i>Solanum tuberosum</i>) plants: pyrimidine salvage and supply of beta-alanine to pantothenic acid synthesis. Physiologia Plantarum, 2006, 127, 38-43.	5.2	21
70	Effect of short-term salt stress on the metabolic profiles of pyrimidine, purine and pyridine nucleotides in cultured cells of the mangrove tree, <i>Bruguiera sexangula</i> . Physiologia Plantarum, 2006, 128, 405-414.	5.2	35
71	Effect of long-term phosphate starvation on the levels and metabolism of purine nucleotides in suspension-cultured <i>Catharanthus roseus</i> cells. Phytochemistry, 2006, 67, 132-141.	2.9	23
72	Caffeine biosynthesis and adenine metabolism in transgenic <i>Coffea canephora</i> plants with reduced expression of <i>N</i> -methyltransferase genes. Phytochemistry, 2006, 67, 882-886.	2.9	27

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73	Role of adenosine salvage in wound-induced adenylate biosynthesis in potato tuber slices. <i>Plant Physiology and Biochemistry</i> , 2006, 44, 551-555.	5.8	18
74	Profiles of purine biosynthesis, salvage and degradation in disks of potato (<i>Solanum tuberosum</i> L.) tubers. <i>Planta</i> , 2006, 225, 115-126.	3.2	42
75	Substrate specificity of N-methyltransferase involved in purine alkaloids synthesis is dependent upon one amino acid residue of the enzyme. <i>Molecular Genetics and Genomics</i> , 2006, 275, 125-135.	2.1	81
76	The cup that cheers: Caffeine biosynthesis: biochemistry and molecular biology. <i>Biochemist</i> , 2006, 28, 23-26.	0.5	7
77	Salt stress and glycolytic regulation in suspension-cultured cells of the mangrove tree, <i>Bruguiera sexangula</i> . <i>Physiologia Plantarum</i> , 2005, 123, 246-253.	5.2	20
78	Changes in trigonelline (N-methylnicotinic acid) content and nicotinic acid metabolism during germination of mungbean (<i>Phaseolus aureus</i>) seeds. <i>Journal of Experimental Botany</i> , 2005, 56, 1615-1623.	4.8	56
79	De novo and salvage biosynthetic pathways of pyridine nucleotides and nicotinic acid conjugates in cultured plant cells. <i>Plant Science</i> , 2005, 169, 107-114.	3.6	49
80	Pyridine nucleotide cycle and trigonelline (N-methylnicotinic acid) synthesis in developing leaves and fruits of <i>Coffea arabica</i> . <i>Physiologia Plantarum</i> , 2004, 122, 404-411.	5.2	57
81	Distribution, biosynthesis and function of purine and pyridine alkaloids in <i>Coffea arabica</i> seedlings. <i>Plant Science</i> , 2004, 166, 807-813.	3.6	91
82	Biosynthesis, accumulation and degradation of theobromine in developing <i>Theobroma cacao</i> fruits. <i>Journal of Plant Physiology</i> , 2004, 161, 363-369.	3.5	44
83	Distribution and biosynthesis of caffeine in plants. <i>Frontiers in Bioscience - Landmark</i> , 2004, 9, 1864.	3.0	107
84	<i>Nucleic Acid Metabolism</i> . , 2004, , 833-838.		0
85	Metabolism of purine bases, nucleosides and alkaloids in theobromine-forming <i>Theobroma cacao</i> leaves. <i>Plant Physiology and Biochemistry</i> , 2003, 41, 977-984.	5.8	46
86	Effect of salt stress on the metabolism of ethanolamine and choline in leaves of the betaine-producing mangrove species <i>Avicennia marina</i> . <i>Phytochemistry</i> , 2003, 64, 941-948.	2.9	30
87	Comparison of adenosine metabolism in leaves of several mangrove plants and a poplar species. <i>Plant Physiology and Biochemistry</i> , 2003, 41, 133-139.	5.8	21
88	Changes in deoxyribonucleotide biosynthesis during carrot somatic embryogenesis. <i>Plant Physiology and Biochemistry</i> , 2003, 41, 779-785.	5.8	8
89	Pyrimidine deoxyribonucleotide metabolism during maturation and germination of white spruce (<i>Picea</i>) Tj ETQq1 1 0.784314 rgBT /Over <i>Physiologia Plantarum</i> , 2003, 118, 499-506.	5.2	10
90	Isolation of a new dual-functional caffeine synthase gene encoding an enzyme for the conversion of 7-methylxanthine to caffeine from coffee (<i>Coffea arabica</i> L.)1. <i>FEBS Letters</i> , 2003, 534, 75-81.	2.8	108

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91	The first committed step reaction of caffeine biosynthesis: 7-methylxanthosine synthase is closely homologous to caffeine synthases in coffee (<i>Coffea arabica</i> L.)1. FEBS Letters, 2003, 547, 56-60.	2.8	85
92	Inhibition of caffeine biosynthesis in tea (<i>Camellia sinensis</i>) and coffee (<i>Coffea arabica</i>) plants by ribavirin. FEBS Letters, 2003, 554, 473-477.	2.8	23
93	Purine and pyrimidine nucleotide metabolism in higher plants. Journal of Plant Physiology, 2003, 160, 1271-1295.	3.5	283
94	Profiles of pyrimidine biosynthesis, salvage and degradation in disks of potato (<i>Solanum tuberosum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.2	49
95	Pyrimidine nucleotide and nucleic acid synthesis in embryos and megagametophytes of white spruce (<i>Picea glauca</i>) during germination. Physiologia Plantarum, 2002, 115, 155-165.	5.2	23
96	Theacrine (1,3,7,9-tetramethyluric acid) synthesis in leaves of a Chinese tea, kucha (<i>Camellia assamica</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.9	75
97	Purine and Pyrimidine Nucleotide Synthesis and Metabolism. The Arabidopsis Book, 2002, 1, e0018.	0.5	235
98	Plant Foods and Herbal Sources of Resveratrol. Journal of Agricultural and Food Chemistry, 2002, 50, 3337-3340.	5.2	840
99	Pyrimidine metabolism during somatic embryo development in white spruce (<i>Picea glauca</i>). Journal of Plant Physiology, 2001, 158, 613-621.	3.5	23
100	Purine metabolism during white spruce somatic embryo development: salvage of adenine, adenosine, and inosine. Plant Science, 2001, 160, 647-657.	3.6	48
101	Caffeine: a well known but little mentioned compound in plant science. Trends in Plant Science, 2001, 6, 407-413.	8.8	243
102	A new caffeine biosynthetic pathway in tea leaves: utilisation of adenosine released from the S-adenosyl-L-methionine cycle. FEBS Letters, 2001, 499, 50-54.	2.8	77
103	Profiles of Purine and Pyrimidine Nucleotides in Fresh and Manufactured Tea Leaves. Journal of Agricultural and Food Chemistry, 2001, 49, 4378-4382.	5.2	19
104	Changes in pyrimidine nucleotide biosynthesis during germination of white spruce (<i>Picea glauca</i>) somatic embryos. In Vitro Cellular and Developmental Biology - Plant, 2001, 37, 285-292.	2.1	18
105	Purine and pyrimidine metabolism during the partial drying treatment of white spruce (<i>Picea glauca</i>) somatic embryos. Physiologia Plantarum, 2001, 111, 93-101.	5.2	34
106	Wound-Induced Respiration and Pyrophosphate:fructose-6-phosphate Phosphotransferase in Potato Tubers. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2000, 55, 953-956.	1.4	12
107	Purine and pyrimidine metabolism in cultured white spruce (<i>Picea glauca</i>) cells: Metabolic fate of 14 C-labeled precursors and activity of key enzymes. Physiologia Plantarum, 2000, 108, 25-33.	5.2	21
108	Caffeine synthase gene from tea leaves. Nature, 2000, 406, 956-957.	27.8	199

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109	Purine Alkaloid Biosynthesis in Young Leaves of <i>Camellia sinensis</i> in Light and Darkness. <i>Journal of Plant Research</i> , 2000, 113, 217-221.	2.4	11
110	Pathways Involved in the Metabolism of Caffeine by <i>Coffea</i> and <i>Camellia</i> Plants. <i>ACS Symposium Series</i> , 2000, , 9-19.	0.5	1
111	Purine and pyrimidine metabolism in cultured white spruce (<i>Picea glauca</i>) cells: Metabolic fate of 14 C-labeled precursors and activity of key enzymes. <i>Physiologia Plantarum</i> , 2000, 108, 25-33.	5.2	41
112	Biosynthesis and Metabolism of Caffeine and Related Purine Alkaloids in Plants. <i>Advances in Botanical Research</i> , 1999, 30, 117-205.	1.1	100
113	Purification and Characterization of Caffeine Synthase from Tea Leaves ¹ . <i>Plant Physiology</i> , 1999, 120, 579-586.	4.8	122
114	Uptake of inorganic ions and compatible solutes in cultured mangrove cells during salt stress. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 1999, 35, 82-85.	2.1	21
115	Contribution Purine Nucleotide Biosynthesis de novo to the Formation of Caffeine in Young Tea (<i>Camellia sinensis</i>) Leaves. <i>Journal of Plant Physiology</i> , 1999, 154, 145-151.	3.5	36
116	Biosynthesis and Catabolism of Caffeine in Low-Caffeine-Containing Species of <i>Coffea</i> . <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 3425-3431.	5.2	49
117	Biosynthesis and metabolism of purine alkaloids in leaves of cocoa tea (<i>Camellia ptilophylla</i>). <i>Journal of Plant Research</i> , 1998, 111, 599-604.	2.4	55
118	Subcellular localization of the N-3 methyltransferase involved in caffeine biosynthesis in tea. <i>Phytochemistry</i> , 1998, 48, 777-779.	2.9	27
119	Metabolic fate of guanosine in higher plants. <i>Physiologia Plantarum</i> , 1997, 100, 909-916.	5.2	1
120	Metabolism of Caffeine and Related Purine Alkaloids in Leaves of Tea (<i>Camellia sinensis</i> L.). <i>Plant and Cell Physiology</i> , 1997, 38, 413-419.	3.1	75
121	Theophylline metabolism in higher plants. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1997, 1336, 323-330.	2.4	34
122	The Effect of Salt Stress on the Catabolism of Sugars in Leaves and Roots of a Mangrove Plant, <i>Avicennia marina</i> . <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1997, 52, 187-192.	1.4	12
123	Compatible Solutes and Inorganic Ions in the Mangrove Plant <i>Avicennia marina</i> and Their Effects on the Activities of Enzymes. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1997, 52, 433-440.	1.4	40
124	Metabolic fate of guanosine in higher plants. <i>Physiologia Plantarum</i> , 1997, 100, 909-916.	5.2	30
125	Purine metabolism in cells of a mangrove plant, <i>Sonneratia alba</i> , in tissue culture. <i>Journal of Plant Physiology</i> , 1996, 149, 133-137.	3.5	31
126	Caffeine biosynthesis in young leaves of <i>Camellia sinensis</i> : In vitro studies on N-methyltransferase activity involved in the conversion of xanthosine to caffeine. <i>Physiologia Plantarum</i> , 1996, 98, 629-636.	5.2	94

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127	Caffeine Metabolism in High and Low Caffeine Containing Cultivars of <i>Camellia sinensis</i> . <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1995, 50, 602-607.	1.4	21
128	Phosphate Starvation and a Glycolytic Bypass Catalyzed by Phosphoenolpyruvate Carboxylase in Suspension-Cultured <i>Catharanthus roseus</i> Cells. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1994, 49, 742-750.	1.4	35
129	Biosynthesis of theobromine and caffeine in developing leaves of <i>Coffea arabica</i> . <i>Phytochemistry</i> , 1994, 36, 1359-1361.	2.9	36
130	Phosphoenolpyruvate Carboxylase from Heterotrophically Cultured <i>Catharanthus roseus</i> Cells. <i>Annals of Botany</i> , 1994, 74, 417-422.	2.9	6
131	Isoenzymes of phosphogluconate dehydrogenase (decarboxylating) from suspension-cultured <i>Catharanthus roseus</i> cells. <i>Phytochemistry</i> , 1993, 33, 1307-1311.	2.9	5
132	Purine metabolism and the biosynthesis of caffeine in <i>mat</i> leaves. <i>Phytochemistry</i> , 1993, 33, 1427-1430.	2.9	40
133	IMP dehydrogenase from tea leaves and suspension-cultured <i>Catharanthus roseus</i> cells. <i>Phytochemistry</i> , 1993, 34, 613-615.	2.9	8
134	Levels of metabolites related to glycolysis in <i>Catharanthus roseus</i> cells during culture. <i>Phytochemistry</i> , 1993, 34, 1509-1513.	2.9	10
135	Pyrophosphate: fructose-6-phosphate 1-phosphotransferase and biosynthetic capacity during differentiation of hypocotyls of <i>Vigna</i> seedlings. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1993, 1156, 123-127.	2.4	11
136	AMP deaminase and the control of adenylate catabolism in suspension-cultured <i>Catharanthus roseus</i> cells. <i>Phytochemistry</i> , 1992, 31, 1905-1909.	2.9	20
137	Purine and purine alkaloid metabolism in <i>Camellia</i> and <i>Coffea</i> plants. <i>Phytochemistry</i> , 1992, 31, 2575-2584.	2.9	100
138	Pyrophosphate: Fructose-6-phosphate Phosphotransferase and Gluconeogenic Capacity in Germinated Peanut Seeds. <i>Biochemie Und Physiologie Der Pflanzen</i> , 1992, 188, 145-151.	0.5	2
139	Catabolism of adenine nucleotides in suspension-cultured plant cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1991, 1073, 474-480.	2.4	37
140	Seasonal variations in biosynthetic capacity for the synthesis of caffeine in tea leaves. <i>Phytochemistry</i> , 1991, 30, 2245-2248.	2.9	65
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196	Absorption and Metabolism of Dietary Plant Secondary Metabolites. , 0, , 303-351.		49
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