Norman G Lewis

List of Publications by Year
in descending order

167 papers	11,486 citations	26567 56 h-index	31759 101 g-index
177 all docs	177 docs citations	177 times ranked	9055 citing authors

#	Article	IF	Citations
1	RNAiModulation of Chlorogenic Acid and Lignin Deposition inNicotiana tabacumand Insufficient Compensatory Metabolic Cross-Talk. Journal of Natural Products, 2021, 84, 694-706.	1.5	6
2	NASA GeneLab RNA-seq consensus pipeline: Standardized processing of short-read RNA-seq data. IScience, 2021, 24, 102361.	1.9	20
3	New Insights Into Lignification via Network and Multi-Omics Analyses of Arogenate Dehydratase Knock-Out Mutants in Arabidopsis thaliana. Frontiers in Plant Science, 2021, 12, 664250.	1.7	1
4	De novosequencing and native mass spectrometry revealed hetero-association of dirigent protein homologs and potential interacting proteins inForsythiaÃ—intermedia. Analyst, The, 2021, 146, 7670-7681.	1.7	0
5	Pterocarpan synthase (PTS) structures suggest a common quinone methideâ€“stabilizing function in dirigent proteins and proteins with dirigent-like domains. Journal of Biological Chemistry, 2020, 295, 11584-11601.	1.6	16
6	Pinoresinolâ€lariciresinol reductase: Substrate versatility, enantiospecificity, and kinetic properties. Chirality, 2020, 32, 770-789.	1.3	5
7	Editorial: Lignans: Insights Into Their Biosynthesis, Metabolic Engineering, Analytical Methods and Health Benefits. Frontiers in Plant Science, 2020, 11, 630327.	1.7	16
8	Isolation of Tryptanthrin and Reassessment of Evidence for Its Isobaric Isostere Wrightiadione in Plants of theWrightiaGenus. Journal of Natural Products, 2019, 82, 440-448.	1.5	13
9	Linum Lignan and Associated Biochemical Pathways in Human Health and Plant Defense. Plant Genetics and Genomics: Crops and Models, 2019, , 167-193.	0.3	1
10	A genome-wide analysis of the flax (Linum usitatissimum L.) dirigent protein family: from gene identification and evolution to differential regulation. Plant Molecular Biology, 2018, 97, 73-101.	2.0	66
11	Reduced Arogenate Dehydratase Expression: Ramifications for Photosynthesis and Metabolism. Plant Physiology, 2018, 177, 115-131.	2.3	18
12	Eugenol specialty chemical production in transgenic poplar (Populus tremulaÂÃ—ÂP. alba) field trials. Plant Biotechnology Journal, 2017, 15, 970-981.	4.1	17
13	Draft Genome Sequence of a Gordonia sp. Isolated from the Soil of a Red Alder Plant. Genome Announcements, 2017, 5, .	0.8	0
14	A Multi-Platform Evaluation of the Randomized CX Low-Rank Matrix Factorization in Spark. , 2016, , .		2
15	Trimeric Structure of (+)-Pinoresinol-forming Dirigent Protein at 1.95 Ã… Resolution with Three Isolated Active Sites. Journal of Biological Chemistry, 2015, 290, 1308-1318.	1.6	56
16	Dirigent Protein-Mediated Lignan and Cyanogenic Glucoside Formation in Flax Seed: Integrated Omics and MALDI Mass Spectrometry Imaging. Journal of Natural Products, 2015, 78, 1231-1242.	1.5	110
17	Professor Vincenzo De Luca. Phytochemistry, 2015, 113, 7-8.	1.4	1
18	Non-host disease resistance response in pea (Pisum sativum) pods: Biochemical function of DRR206 and phytoalexin pathway localization. Phytochemistry, 2015, 113, 140-148.	1.4	58

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19	Active site cleft mutants of Os9BGlu31 transglucosidase modify acceptor substrate specificity and allow production of multiple kaempferol glycosides. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 1405-1414.	1.1	11
20	Allyl/propenyl phenol synthases from the creosote bush and engineering production of specialty/commodity chemicals, eugenol/isoeugenol, in Escherichia coli. Archives of Biochemistry and Biophysics, 2014, 541, 37-46.	1.4	21
21	A multi-omics strategy resolves the elusive nature of alkaloids in Podophyllum species. Molecular BioSystems, 2014, 10, 2838-2849.	2.9	43
22	Frank A. Loewus (1919â€“2014): A life well spent and well remembered. Phytochemistry, 2014, 105, 8-11.	1.4	0
23	Accurate massâ€“time tag library for LC/MS-based metabolite profiling of medicinal plants. Phytochemistry, 2013, 91, 187-197.	1.4	43
24	Professor Meinhart H. Zenk: Keeping the Legacy Alive. Phytochemistry, 2013, 91, 8.	1.4	0
25	Assessment of a putative proton relay in Arabidopsis cinnamyl alcohol dehydrogenase catalysis. Organic and Biomolecular Chemistry, 2013, 11, 1127.	1.5	10
26	Next Generation Sequencing in Predicting Gene Function in Podophyllotoxin Biosynthesis. Journal of Biological Chemistry, 2013, 288, 466-479.	1.6	102
27	Transgenic Hybrid Poplar for Sustainable and Scalable Production of the Commodity/Specialty Chemical, 2-Phenylethanol. PLoS ONE, 2013, 8, e83169.	1.1	25
28	Arogenate Dehydratase Isoenzymes Profoundly and Differentially Modulate Carbon Flux into Lignins. Journal of Biological Chemistry, 2012, 287, 11446-11459.	1.6	51
29	Opposite Stereoselectivities of Dirigent Proteins in Arabidopsis and Schizandra Species. Journal of Biological Chemistry, 2012, 287, 33957-33972.	1.6	82
30	The arogenate dehydratase gene family: Towards understanding differential regulation of carbon flux through phenylalanine into primary versus secondary metabolic pathways. Phytochemistry, 2012, 82, 22-37.	1.4	21
31	Laser Microdissection and Genetic Manipulation Technologies to Probe Lignin Heterogeneity and Configuration in Plant Cell Walls. , 2012, 908, 229-250.		1
32	The laccase multigene family in Arabidopsis thaliana: towards addressing the mystery of their gene function(s). Planta, 2011, 233, 439-470.	1.6	162
33	Antisense Down-Regulation of 4CL Expression Alters Lignification, Tree Growth, and Saccharification Potential of Field-Grown Poplar Â Â. Plant Physiology, 2010, 154, 874-886.	2.3	195
34	Vascular Plant Lignification: Biochemical/Structural Biology Considerations of Upstream Aromatic Amino Acid and Monolignol Pathways. , 2010, , 541-604.		2
35	Insights into lignin primary structure and deconstruction from Arabidopsis thaliana COMT (caffeic) Tj ETQq1 1 0.784314 rgBT /Overlo	1.5	45
36	Trees: A Remarkable Biochemical Bounty. , 2010, , 1173-1296.		16

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37	Probing native lignin macromolecular configuration in Arabidopsis thaliana in specific cell wall types: Further insights into limited substrate degeneracy and assembly of the lignins of ref8, fah 1â€“2 and C4H::F5H lines. Molecular BioSystems, 2010, 6, 499-515.	2.9	24
38	Lignans (Neolignans) and Allyl/Propenyl Phenols: Biogenesis, Structural Biology, and Biological/Human Health Considerations. , 2010, , 815-928.		21
39	Relationship of dirigent protein and 18s RNA transcript localization to heartwood formation in western red cedar. Phytochemistry, 2008, 69, 3032-3037.	1.4	12
40	Phytochemistry foreword. Phytochemistry, 2008, 69, 3005.	1.4	0
41	William Edwin (Ted) Hillis (1921â€“2008): A Pioneer in the Study of (Heart)wood Formation and their Constituents. Phytochemistry, 2008, 69, 3015-3017.	1.4	0
42	Metabolic Engineering of Plant Allyl/Propenyl Phenol and Lignin Pathways: Future Potential for Biofuels/Bioenergy, Polymer Intermediates, and Specialty Chemicals?. Advances in Plant Biochemistry and Molecular Biology, 2008, , 385-428.	0.5	11
43	Dissection of lignin macromolecular configuration and assembly: Comparison to related biochemical processes in allyl/propenyl phenol and lignan biosynthesis. Natural Product Reports, 2008, 25, 1015.	5.2	171
44	Phenylalanine Biosynthesis in Arabidopsis thaliana. Journal of Biological Chemistry, 2007, 282, 30827-30835.	1.6	110
45	Reaction tissue formation and stem tensile modulus properties in wildâ€type and pâ€coumarateâ€3â€hydroxylase downregulated lines of alfalfa, Medicago sativa (Fabaceae). American Journal of Botany, 2007, 94, 912-925.	0.8	34
46	A pinoresinolâ€“lariciresinol reductase homologue from the creosote bush (Larrea tridentata) catalyzes the efficient in vitro conversion of p-coumaryl/coniferyl alcohol esters into the allylphenols chavicol/eugenol, but not the propenylphenols p-anol/isoeugenol. Archives of Biochemistry and Biophysics, 2007, 465, 209-218.	1.4	36
47	Plant cell walls are enfeebled when attempting to preserve native lignin configuration with poly-p-hydroxycinnamaldehydes: Evolutionary implications. Phytochemistry, 2007, 68, 1932-1956.	1.4	45
48	G.H. Neil Towers (1923â€“2004) Phytochemistry Pioneer â€“ In Memoriam. Phytochemistry, 2007, 68, 1834-1837.	1.4	0
49	Expression of cinnamyl alcohol dehydrogenases and their putative homologues during Arabidopsis thaliana growth and development: Lessons for database annotations?. Phytochemistry, 2007, 68, 1957-1974.	1.4	81
50	Secoisolariciresinol dehydrogenase: mode of catalysis and stereospecificity of hydride transfer in Podophyllum peltatum. Organic and Biomolecular Chemistry, 2006, 4, 808.	1.5	32
51	Crystal structures and catalytic mechanism of the Arabidopsis cinnamyl alcohol dehydrogenases AtCAD5 and AtCAD4. Organic and Biomolecular Chemistry, 2006, 4, 1687.	1.5	97
52	Chavicol formation in sweet basil (Ocimum basilicum): cleavage of an esterified C9 hydroxyl group with NAD(P)H-dependent reduction. Organic and Biomolecular Chemistry, 2006, 4, 2733-2744.	1.5	70
53	Î²-Glucuronidase as Reporter Gene: Advantages and Limitations. , 2006, 323, 263-274.		28
54	The Arabidopsis cinnamoyl CoA reductaseirx4mutant has a delayed but coherent (normal) program of lignification. Plant Journal, 2006, 48, 674-686.	2.8	44

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55	Pinus taeda phenylpropenal double-bond reductase: Purification, cDNA cloning, heterologous expression in Escherichia coli, and subcellular localization in P. taeda. Phytochemistry, 2006, 67, 1765-1780.	1.4	47
56	Rodney B. Croteau. Phytochemistry, 2006, 67, 1560-1561.	1.4	0
57	Eugenol and isoeugenol, characteristic aromatic constituents of spices, are biosynthesized via reduction of a coniferyl alcohol ester. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 10128-10133.	3.3	323
58	Mechanistic and Structural Studies of Apoform, Binary, and Ternary Complexes of the Arabidopsis Alkenal Double Bond Reductase At5g16970. Journal of Biological Chemistry, 2006, 281, 40076-40088.	1.6	60
59	Reassessment of effects on lignification and vascular development in the irx4 Arabidopsis mutant. Phytochemistry, 2005, 66, 2092-2107.	1.4	56
60	Characterization in vitro and in vivo of the putative multigene 4-coumarate:CoA ligase network in Arabidopsis: syringyl lignin and sinapate/sinapyl alcohol derivative formation. Phytochemistry, 2005, 66, 2072-2091.	1.4	127
61	Dirigent phenoxy radical coupling: advances and challenges. Current Opinion in Biotechnology, 2005, 16, 398-406.	3.3	108
62	Lignin primary structures and dirigent sites. Current Opinion in Biotechnology, 2005, 16, 407-415.	3.3	230
63	Phlorizin: a review. Diabetes/Metabolism Research and Reviews, 2005, 21, 31-38.	1.7	772
64	Crystal Structures of Apo-form and Binary/Ternary Complexes of Podophyllum Secoisolariciresinol Dehydrogenase, an Enzyme Involved in Formation of Health-protecting and Plant Defense Lignans. Journal of Biological Chemistry, 2005, 280, 12917-12926.	1.6	51
65	Functional reclassification of the putative cinnamyl alcohol dehydrogenase multigene family in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 1455-1460.	3.3	210
66	The Arabidopsis phenylalanine ammonia lyase gene family: kinetic characterization of the four PAL isoforms. Phytochemistry, 2004, 65, 1557-1564.	1.4	246
67	Kinetic Study of Coniferyl Alcohol Radical Binding to the (+)-Pinoresinol Forming Dirigent Proteinâ€. Biochemistry, 2004, 43, 2587-2595.	1.2	75
68	An historical perspective on lignan biosynthesis: Monolignol, allylphenol and hydroxycinnamic acid coupling and downstream metabolism. Phytochemistry Reviews, 2003, 2, 257-288.	3.1	144
69	Trends in Lignin Modification: A Comprehensive Analysis of the Effects of Genetic Manipulations/Mutations on Lignification and Vascular Integrity. ChemInform, 2003, 34, no.	0.1	2
70	[13C]-Specific labeling of 8â€“2â€² linked (â˜)-cis-blechnic, (â˜)-trans-blechnic and (â˜)-brainic acids in the fern Blechnum spicant. Phytochemistry, 2003, 62, 501-511.	1.4	12
71	A lignin-specific peroxidase in tobacco whose antisense suppression leads to vascular tissue modification. Phytochemistry, 2003, 64, 163-176.	1.4	147
72	Composition and antimicrobial activity of the essential oils from invasive species of the Azores, Hedychium gardnerianum and Pittosporum undulatum. Phytochemistry, 2003, 64, 561-565.	1.4	60

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73	An in silico assessment of gene function and organization of the phenylpropanoid pathway metabolic networks in Arabidopsis thaliana and limitations thereof. Phytochemistry, 2003, 64, 1097-1112.	1.4	128
74	Reversed-phase HPLC lignan chiral analysis with laser polarimetric detection. Tetrahedron: Asymmetry, 2003, 14, 649-658.	1.8	13
75	Synthesis and chiral HPLC analysis of the dibenzyltetrahydrofuran lignans, larreatricins, 8â€²-epi-larreatricins, 3,3â€²-didemethoxyverrucosins and meso-3,3â€²-didemethoxynectandrin B in the creosote bush (Larrea tridentata): evidence for regiospecific control of coupling. Organic and Biomolecular Chemistry, 2003, 1, 2307-2313.	1.5	39
76	Composition of the Bioactive Essential Oils from the Leaves ofEugenia stipitataMcVaugh ssp.sororiafrom the Azores. Journal of Essential Oil Research, 2003, 15, 293-295.	1.3	15
77	Crystal Structures of Pinoresinol-Lariciresinol and Phenylcoumaran Benzylic Ether Reductases and Their Relationship to Isoflavone Reductases. Journal of Biological Chemistry, 2003, 278, 50714-50723.	1.6	85
78	(+)-Larreatricin hydroxylase, an enantio-specific polyphenol oxidase from the creosote bush (Larrea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 100, 10641-10646.	3.3	80
79	Delineating the Metabolic Pathway(s) to Secoisolariciresinol Diglucoside Hydroxymethyl Glutarate Oligomers in Flaxseed (Linum usitatissimum). , 2003, , .		0
80	Transcriptional Control of Monolignol Biosynthesis in Pinus taeda. Journal of Biological Chemistry, 2002, 277, 18272-18280.	1.6	125
81	Secondary and Quaternary Structures of the (+)-Pinoresinol-Forming Dirigent Proteinâ€. Biochemistry, 2002, 41, 9455-9461.	1.2	52
82	Specimen block counter-staining for localization of GUS expression in transgenic arabidopsis and tobacco. Plant Cell Reports, 2002, 21, 35-39.	2.8	18
83	Trends in lignin modification: a comprehensive analysis of the effects of genetic manipulations/mutations on lignification and vascular integrity. Phytochemistry, 2002, 61, 221-294.	1.4	454
84	Monolignol radicalâ€“radical coupling networks in western red cedar and Arabidopsis and their evolutionary implications. Phytochemistry, 2002, 61, 311-322.	1.4	40
85	The western red cedar (Thuja plicata) 8-8' DIRIGENT family displays diverse expression patterns and conserved monolignol coupling specificity. Plant Molecular Biology, 2002, 49, 199-214.	2.0	71
86	Biosynthetic Pathway to the Cancer Chemopreventive Secoisolariciresinol Diglucosideâ^'Hydroxymethyl Glutaryl Ester-Linked Lignan Oligomers in Flax (Linumusitatissimum)Seedâ€. Journal of Natural Products, 2001, 64, 1388-1397.	1.5	147
87	Stereoselective phenolic coupling in Blechnum spicant: formation of 8â€“2â€² linked (â^')-cis-blechnic, (â^')-trans-blechnic and (â^')-brainic acids. Chemical Communications, 2001, , 113-114.	2.2	13
88	In situ hybridization and immunolocalization of lignan reductases in woody tissues: implications for heartwood formation and other forms of vascular tissue preservation. Phytochemistry, 2001, 57, 899-914.	1.4	53
89	Dirigent proteins and dirigent sites in lignifying tissues. Phytochemistry, 2001, 57, 883-897.	1.4	164
90	Induced compression wood formation in Douglas fir (Pseudotsuga menziesii) in microgravity. Phytochemistry, 2001, 57, 847-857.	1.4	41

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91	Cell-wall architecture and lignin composition of wheat developed in a microgravity environment. Phytochemistry, 2001, 57, 835-846.	1.4	56
92	The Holy Grail of wood evolution â€" from wood anatomy to tissue-specific gene expression: to what extent do molecular studies of biosynthesis of cell wall biopolymers help the understanding of the evolution of woody species?. Phytochemistry, 2001, 57, 805-810.	1.4	3
93	Antisense and sense expression of cDNA coding for CYP73A15, a class II cinnamate 4-hydroxylase, leads to a delayed and reduced production of lignin in tobacco. Phytochemistry, 2001, 57, 1159-1166.	1.4	74
94	Appreciation and communications in honour of the retirement of Jeffrey Harborne FRS as Editor of Phytochemistry. Phytochemistry, 2001, 56, 217-218.	1.4	1
95	Phenylcoumaran benzylic ether and isoflavonoid reductases are a new class of cross-reactive allergens in birch pollen, fruits and vegetables. FEBS Journal, 2001, 268, 5310-5320.	0.2	101
96	Secoisolariciresinol Dehydrogenase Purification, Cloning, and Functional Expression. Journal of Biological Chemistry, 2001, 276, 12614-12623.	1.6	127
97	Stereoselective Synthesis of 8,9-Licarinediols. Tetrahedron, 2000, 56, 9181-9193.	1.0	41
98	Dirigent-mediated podophyllotoxin biosynthesis in Linum flavum and Podophyllum peltatum. Phytochemistry, 2000, 55, 537-549.	1.4	88
99	Induced phenylpropanoid metabolism during suberization and lignification: a comparative analysis. Journal of Plant Physiology, 2000, 157, 601-607.	1.6	54
100	Dirigent Proteins and Dirigent Sites Explain the Mystery of Specificity of Radical Precursor Coupling in Lignan and Lignin Biosynthesis. Plant Physiology, 2000, 123, 453-462.	2.3	263
101	Monolignol Compositional Determinants in Loblolly Pine: Aromatic Amino Acid Metabolism and Associated Rate-Limiting Steps. ACS Symposium Series, 1999, , 118-144.	0.5	5
102	Recombinant Pinoresinol-Lariciresinol Reductases from Western Red Cedar (Thuja plicata) Catalyze Opposite Enantiospecific Conversions. Journal of Biological Chemistry, 1999, 274, 618-627.	1.6	83
103	Evolution of Plant Defense Mechanisms. Journal of Biological Chemistry, 1999, 274, 7516-7527.	1.6	173
104	Regiochemical control of monolignol radical coupling: A new paradigm for lignin and lignan biosynthesis. Chemistry and Biology, 1999, 6, 143-151.	6.2	175
105	The Nature and Function of Lignins. , 1999, , 617-745.		72
106	A 20th century roller coaster ride: a short account of lignification. Current Opinion in Plant Biology, 1999, 2, 153-162.	3.5	118
107	Lignans: Biosynthesis and Function. , 1999, , 639-712.		76
108	Multi-Site Modulation of Flux during Monolignol Formation in Loblolly Pine (Pinus taeda). Biochemical and Biophysical Research Communications, 1999, 261, 652-657.	1.0	47

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109	Localization of Dirigent Protein Involved in Lignan Biosynthesis: Implications for Lignification at the Tissue and Subcellular Level. , 1999, , 393-411.		5
110	Plant Lignans and Health: Cancer Chemoprevention and Biotechnological Opportunities. , 1999, 66, 675-694.		14
111	Accumulation of feruloyltyramine and p-coumaroyltyramine in tomato leaves in response to wounding. Phytochemistry, 1998, 47, 659-664.	1.4	100
112	Biosynthesis of antioxidant lignans in Sesamum indicum seeds. Phytochemistry, 1998, 47, 583-591.	1.4	92
113	Furanofuran lignan metabolism as a function of seed maturation in sesamum indicum: methylenedioxy bridge formation. Phytochemistry, 1998, 49, 387-394.	1.4	43
114	The macromolecular aromatic domain in suberized tissue: A changing paradigm. Phytochemistry, 1998, 47, 915-933.	1.4	190
115	Nitrogen recycling during phenylpropanoid metabolism in sweet potato tubers. Journal of Plant Physiology, 1998, 153, 316-323.	1.6	46
116	The 'Abnormal Lignins': Mapping Heartwood Formation Through the Lignan Biosynthetic Pathway. ACS Symposium Series, 1998, , 389-421.	0.5	23
117	Integrating Nitrogen and Phenylpropanoid Metabolic Pathways in Plants and Fungi. ACS Symposium Series, 1998, , 42-54.	0.5	1
118	Lignin and Lignan Biosynthesis: Distinctions and Reconciliations. ACS Symposium Series, 1998, , 1-27.	0.5	38
119	The Biochemical Control of Monolignol Coupling and Structure During Lignan and Lignin Biosynthesis. ACS Symposium Series, 1998, , 334-361.	0.5	22
120	Phylogenetic Links in Plant Defense Systems: Lignans, Isoflavonoids, and Their Reductases. ACS Symposium Series, 1997, , 58-89.	0.5	17
121	Oxygen insertion in Sesamumindicum furanofuran lignans. Diastereoselective syntheses of enzyme substrate analogues. Canadian Journal of Chemistry, 1997, 75, 840-849.	0.6	18
122	(+)-Episesaminone, aSesamumindicumFurofuran Lignan. Isolation and Hemisynthesis. Journal of Natural Products, 1997, 60, 1189-1192.	1.5	29
123	Nitrogen recycling in phenylpropanoid metabolism. Phytochemistry, 1996, 41, 31-35.	1.4	117
124	(+)-Pinoresinol/(+)-Lariciresinol Reductase from Forsythia intermedia. Journal of Biological Chemistry, 1996, 271, 29473-29482.	1.6	176
125	Nitrogen Metabolism in Lignifying Pinus taeda Cell Cultures. Journal of Biological Chemistry, 1996, 271, 12350-12355.	1.6	65
126	Towards the specification of consecutive steps in macrolecular lignin assembly. Phytochemistry, 1995, 39, 71-79.	1.4	125

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127	Hydroxycinnamic Acid-derived Polymers Constitute the Polyaromatic Domain of Suberin. Journal of Biological Chemistry, 1995, 270, 7382-7386.	1.6	166
128	Cyclization of Geranylgeranyl Diphosphate to Taxa-4(5),11(12)-diene Is the Committed Step of Taxol Biosynthesis in Pacific Yew. Journal of Biological Chemistry, 1995, 270, 8686-8690.	1.6	178
129	Lignans: Diversity, Biosynthesis, and Function. ACS Symposium Series, 1995, , 135-167.	0.5	11
130	Evolution of Lignan and Neolignan Biochemical Pathways. ACS Symposium Series, 1994, , 202-246.	0.5	28
131	Paclitaxel Biosynthesis. ACS Symposium Series, 1994, , 72-80.	0.5	5
132	(+)-Pinoresinol synthase: A stereoselective oxidase catalysing 8,8â€²-lignan formation in Forsythia intermedia. Tetrahedron Letters, 1994, 35, 4731-4734.	0.7	46
133	Pico-tag analysis of arogenic acid and related free amino acids from plant and fungal extracts. Phytochemical Analysis, 1994, 5, 98-104.	1.2	10
134	Phenylbutanoid and taxane-like metabolites from needles of Taxus brevifolia. Phytochemistry, 1994, 36, 975-985.	1.4	34
135	Synthesis of Stereospecifically Deuterated Matairesinol, Podorhizol, Epipodorhizol, and Yatein. Journal of Natural Products, 1994, 57, 791-800.	1.5	15
136	Intramolecular acyl migrations in taxanes from Taxus brevifolia. Phytochemistry, 1993, 34, 473-476.	1.4	28
137	Novel benzylic ether reductions in lignan biogenesis in Forsythia intermedia. Phytochemistry, 1993, 33, 581-591.	1.4	73
138	Brevifoliol: A structure revision. Phytochemistry, 1993, 34, 269-271.	1.4	13
139	Formation of (â^')-arctigenin in Forsythia intermedia. Phytochemistry, 1993, 32, 643-652.	1.4	43
140	Phenylpropanoid Metabolism: Biosynthesis of Monolignols, Lignans and Neolignans, Lignins and Suberins. , 1992, , 325-375.		60
141	On the stereoselective synthesis of (+)-pinoresinol in Forsythia suspensa from its achiral precursor, coniferyl alcohol. Phytochemistry, 1992, 31, 3869-3874.	1.4	132
142	An extraordinary accumulation of (â^')-pinoresinol in cell-free extracts of Forsythia intermedia: evidence for enantiospecific reduction of (+)-pinoresinol. Phytochemistry, 1992, 31, 3875-3881.	1.4	79
143	Mixed acetoxy-benzoxy taxane esters from Taxus brevifolia. Phytochemistry, 1992, 31, 4249-4252.	1.4	23
144	Alkyl ferulates in wound healing potato tubers. Phytochemistry, 1992, 31, 3409-3412.	1.4	95

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145	Stereo Selectivity in Polyphenol Biosynthesis. , 1992, , 73-95.		3
146	Lignin: Occurrence, Biogenesis and Biodegradation. Annual Review of Plant Biology, 1990, 41, 455-496.	14.2	837
147	Formation of cis-Coniferin in Cell-Free Extracts of Fagus grandifolia Ehrh Bark. Plant Physiology, 1990, 94, 209-213.	2.3	25
148	Lignan biosynthesis in forsythia species. Journal of the Chemical Society Chemical Communications, 1990, , 1405.	2.0	50
149	Formation of the lignan, (â˜) secoisolariciresinol, by cell free extracts of Forsythia intermedia. Biochemical and Biophysical Research Communications, 1990, 171, 1008-1014.	1.0	68
150	Phenylpropanoid Metabolism in Cell Walls. ACS Symposium Series, 1989, , 68-88.	0.5	44
151	High-performance liquid chromatographic separation of E- and Z-monolignols and their glucosides. Journal of Chromatography A, 1989, 479, 345-352.	1.8	17
152	Lignin in Adhesives. ACS Symposium Series, 1989, , 13-26.	0.5	23
153	Synthesis of Stereospecifically Deuterated Desoxypodophyllotoxins and 1H-NMR Assignment of Desoxypodo-phyllotoxin. Journal of Natural Products, 1989, 52, 1290-1295.	1.5	9
154	Exclusive accumulation of Z-isomers of monolignols and their glucosides in bark of Fagus grandifolia. Phytochemistry, 1988, 27, 2119-2121.	1.4	24
155	Incorporation of [2-13C]ferulic acid, a lignin precursor, into Leucaena leucocephala and its analysis by solid state 13C n.m.r. spectroscopy. Journal of the Chemical Society Chemical Communications, 1988, , 1626.	2.0	25
156	The E/Z isomerization step in the biosynthesis of Z-coniferyl alcohol in Fagus grandifolia. Phytochemistry, 1987, 26, 2729-2734.	1.4	15
157	5-hydroxyferulic acid in Zea mays and Hordeum vulgare cell walls. Phytochemistry, 1987, 26, 1915-1916.	1.4	47
158	Sulphite-promoted delignification of wood: identification of paucidisperse lignosulphonates. Canadian Journal of Chemistry, 1986, 64, 1286-1294.	0.6	22
159	Cis-monolignols in Fagus grandifolia and their possible involvement in lignification. Phytochemistry, 1986, 25, 1701-1705.	1.4	23
160	High-performance size-exclusion chromatography of lignosulphonates. Journal of Chromatography A, 1985, 331, 419-424.	1.8	17
161	Synthesis of 3-chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone, a potent mutagen. Canadian Journal of Chemistry, 1985, 63, 828-832.	0.6	89
162	Tetrapyrrole biosynthesis in Anacystis nidulans; incorporation of [1-13C]-, [2-13C]-, [1,2-13C]- and [2-13C, 2-2H3]acetate. Phytochemistry, 1984, 23, 1611-1616.	1.4	4

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163	Studies in plant tissue culture. Tetrahedron, 1983, 39, 3781-3795.	1.0	25
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