

Tricinâ€ignins: occurrence and quantitation of tricin in

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Building the wall: recent advances in understanding lignin metabolism in grasses. <i>Acta Physiologiae Plantarum</i> , 2016, 38, 1.	1.0	29
2	Antileishmanial Activity and Immunomodulatory Effects of Tricin Isolated from Leaves of <i>Casearia arborea</i> (Salicaceae). <i>Chemistry and Biodiversity</i> , 2017, 14, e1600458.	1.0	13
3	Effect of steam treatments on the availability of various families of secondary metabolites extracted from green sweet sorghum. <i>Industrial Crops and Products</i> , 2017, 104, 120-128.	2.5	5
4	Current understanding of the pathways of flavonoid biosynthesis in model and crop plants. <i>Journal of Experimental Botany</i> , 2017, 68, 4013-4028.	2.4	328
5	Hydroxystilbenes Are Monomers in Palm Fruit Endocarp Lignins. <i>Plant Physiology</i> , 2017, 174, 2072-2082.	2.3	90
6	Screening of rice mutants with improved saccharification efficiency results in the identification of CONSTITUTIVE PHOTOMORPHOGENIC 1 and GOLD HULL AND INTERNODE 1. <i>Planta</i> , 2017, 246, 61-74.	1.6	5
7	Systematic Parameterization of Lignin for the Charmm Force Field. <i>Biophysical Journal</i> , 2017, 112, 449a.	0.2	0
8	Disrupting Flavone Synthase II Alters Lignin and Improves Biomass Digestibility. <i>Plant Physiology</i> , 2017, 174, 972-985.	2.3	89
9	Silencing <i>CHALCONE SYNTHASE</i> in Maize Impedes the Incorporation of Tricin into Lignin and Increases Lignin Content. <i>Plant Physiology</i> , 2017, 173, 998-1016.	2.3	84
10	Effects of lignins as diet components on the physiological activities of a lower termite, <i>Coptotermes formosanus</i> Shiraki. <i>Journal of Insect Physiology</i> , 2017, 103, 57-63.	0.9	6
11	Bacterial catabolism of lignin-derived aromatics: New findings in a recent decade: Update on bacterial lignin catabolism. <i>Environmental Microbiology Reports</i> , 2017, 9, 679-705.	1.0	218
12	Base-Catalyzed Depolymerization of Solid Lignin-Rich Streams Enables Microbial Conversion. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 8171-8180.	3.2	115
13	Fractionation and DOSY NMR as Analytical Tools: From Model Polymers to a Technical Lignin. <i>ACS Omega</i> , 2017, 2, 8466-8474.	1.6	26
14	The effects of various lignocelluloses and lignins on physiological responses of a lower termite, <i>Coptotermes formosanus</i> . <i>Journal of Wood Science</i> , 2017, 63, 464-472.	0.9	14
15	The Complete Plastome Sequences of Four Orchid Species: Insights into the Evolution of the Orchidaceae and the Utility of Plastomic Mutational Hotspots. <i>Frontiers in Plant Science</i> , 2017, 8, 715.	1.7	95
16	A comparative study of the biomass properties of <i>Erianthus</i> and sugarcane: lignocellulose structure, alkaline delignification rate, and enzymatic saccharification efficiency. <i>Bioscience, Biotechnology and Biochemistry</i> , 2018, 82, 1143-1152.	0.6	14
17	Variability in Lignin Composition and Structure in Cell Walls of Different Parts of Macaãba (<i>Acrocomia aculeata</i>) Palm Fruit. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 138-153.	2.4	70
18	Variation in levels of the flavone triclin in bran from rice genotypes varying in pericarp color. <i>Journal of Cereal Science</i> , 2018, 79, 226-232.	1.8	15

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19	Mechanistic insight in the selective delignification of wheat straw by three white-rot fungal species through quantitative ^{13}C -IS py-GC-MS and whole cell wall HSQC NMR. <i>Biotechnology for Biofuels</i> , 2018, 11, 262.	6.2	33
20	Metabotyping of 30 maize hybrids under early-sowing conditions reveals potential marker-metabolites for breeding. <i>Metabolomics</i> , 2018, 14, 132.	1.4	15
21	Elucidating Tricin-Lignin Structures: Assigning Correlations in HSQC Spectra of Monocot Lignins. <i>Polymers</i> , 2018, 10, 916.	2.0	30
22	Preferential solvation of triclin in {ethanol (1) + water (2)} mixtures at several temperatures. <i>Revista Colombiana De Ciencias Químico Farmacéuticas</i> , 2018, 47, 135-148.	0.3	4
23	Unveiling the Structural Properties of Lignin-Carbohydrate Complexes in Bamboo Residues and Its Functionality as Antioxidants and Immunostimulants. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 12522-12531.	3.2	97
24	Downregulation of <i>COUMAROYL ESTER 3-HYDROXYLASE</i> in rice leads to altered cell wall structures and improves biomass saccharification. <i>Plant Journal</i> , 2018, 95, 796-811.	2.8	65
25	RNAi suppression of barley caffeic acid O-methyltransferase modifies lignin despite redundancy in the gene family. <i>Plant Biotechnology Journal</i> , 2019, 17, 594-607.	4.1	37
26	O _s CAL ₁ OMT1 is a bifunctional O-methyltransferase involved in the biosynthesis of triclin-lignins in rice cell walls. <i>Scientific Reports</i> , 2019, 9, 11597.	1.6	35
27	The Origin and Evolution of Plant Flavonoid Metabolism. <i>Frontiers in Plant Science</i> , 2019, 10, 943.	1.7	269
28	The lignin toolbox of the model grass <i>Setaria viridis</i> . <i>Plant Molecular Biology</i> , 2019, 101, 235-255.	2.0	28
29	Structural Motifs of Wheat Straw Lignin Differ in Susceptibility to Degradation by the White-Rot Fungus <i>Ceriporiopsis subvermispora</i> . <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 20032-20042.	3.2	20
30	The Optimized Production of 5-(Hydroxymethyl)furfural and Related Products from Spent Coffee Grounds. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3369.	1.3	5
31	Systematic parameterization of lignin for the CHARMM force field. <i>Green Chemistry</i> , 2019, 21, 109-122.	4.6	51
32	Structural features and regulation of lignin deposited upon biotic and abiotic stresses. <i>Current Opinion in Biotechnology</i> , 2019, 56, 209-214.	3.3	159
33	Low Lignin Mutants and Reduction of Lignin Content in Grasses for Increased Utilisation of Lignocellulose. <i>Agronomy</i> , 2019, 9, 256.	1.3	16
34	Modular Engineering of Biomass Degradation Pathways. <i>Processes</i> , 2019, 7, 230.	1.3	10
35	Radical coupling reactions of piceatannol and monolignols: A density functional theory study. <i>Phytochemistry</i> , 2019, 164, 12-23.	1.4	17
36	Hydroxystilbene Glucosides Are Incorporated into Norway Spruce Bark Lignin. <i>Plant Physiology</i> , 2019, 180, 1310-1321.	2.3	43

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37	Lignin biosynthesis and its integration into metabolism. <i>Current Opinion in Biotechnology</i> , 2019, 56, 230-239.	3.3	440
38	Lignin structure and its engineering. <i>Current Opinion in Biotechnology</i> , 2019, 56, 240-249.	3.3	533
39	Biosynthesis and Regulation of Secondary Cell Wall. <i>Progress in Botany Fortschritte Der Botanik</i> , 2019, , 189-226.	0.1	1
40	Recruitment of specific flavonoid Bâ€ring hydroxylases for two independent biosynthesis pathways of flavoneâ€derived metabolites in grasses. <i>New Phytologist</i> , 2019, 223, 204-219.	3.5	38
41	Effect of hydrothermal pretreatment severity on lignin inhibition in enzymatic hydrolysis. <i>Bioresource Technology</i> , 2019, 280, 303-312.	4.8	80
42	Tricin levels and expression of flavonoid biosynthetic genes in developing grains of purple and brown pericarp rice. <i>PeerJ</i> , 2019, 7, e6477.	0.9	11
43	Os<scp>MYB</scp>108 lossâ€ofâ€function enriches <i>p</i>â€coumaroylated and triclin lignin units in rice cell walls. <i>Plant Journal</i> , 2019, 98, 975-987.	2.8	57
44	Reductive catalytic fractionation: state of the art of the lignin-first biorefinery. <i>Current Opinion in Biotechnology</i> , 2019, 56, 193-201.	3.3	264
45	Secondary cell wall biosynthesis. <i>New Phytologist</i> , 2019, 221, 1703-1723.	3.5	185
46	Plant Phenylalanine/Tyrosine Ammonia-lyases. <i>Trends in Plant Science</i> , 2020, 25, 66-79.	4.3	154
47	Coupling and Reactions of Lignols and New Lignin Monomers: A Density Functional Theory Study. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 11033-11045.	3.2	12
48	Production of <i>p</i>-Coumaric Acid from Corn GVL-Lignin. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 17427-17438.	3.2	41
49	Tree-ring lignin proxies in <i>Larix gmelinii</i> forest growing in a permafrost area of northeastern China: Temporal variation and potential for climate reconstructions. <i>Ecological Indicators</i> , 2020, 118, 106750.	2.6	8
50	Deciphering the Unique Structure and Acylation Pattern of <i>Posidonia oceanica</i> Lignin. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 12521-12533.	3.2	24
51	Tricin and triclinâ€lignins in <i>Medicago</i> versus in monocots. <i>New Phytologist</i> , 2020, 228, 11-14.	3.5	8
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54	Lignin from Tree Barks: Chemical Structure and Valorization. <i>ChemSusChem</i> , 2020, 13, 4537-4547.	3.6	33

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56	Contributions to Lignomics: Stochastic Generation of Oligomeric Lignin Structures for Interpretation of MALDI-FT-ICR-MS Results. <i>ChemSusChem</i> , 2020, 13, 4428-4445.	3.6	25
57	Lignin Monomers from beyond the Canonical Monolignol Biosynthetic Pathway: Another Brick in the Wall. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 4997-5012.	3.2	184
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61	The style and substance of plant flavonoid decoration; towards defining both structure and function. <i>Phytochemistry</i> , 2020, 174, 112347.	1.4	138
62	Double knockout of OsWRKY36 and OsWRKY102 boosts lignification with altering culm morphology of rice. <i>Plant Science</i> , 2020, 296, 110466.	1.7	21
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67	Lignin: an innovative, complex, and highly flexible plant material/component. , 2021, , 35-60.		1
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75	Synthesis of deuterium-labeled cinnamic acids: Understanding the volatile benzenoid pathway in the flowers of the Japanese loquat <i>Eriobotrya japonica</i> . <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2021, 64, 403-416.	0.5	4
76	Tailoring renewable materials via plant biotechnology. <i>Biotechnology for Biofuels</i> , 2021, 14, 167.	6.2	25
77	Tricin Biosynthesis and Bioengineering. <i>Frontiers in Plant Science</i> , 2021, 12, 733198.	1.7	25
78	A rapid thioacidolysis method for biomass lignin composition and tricrin analysis. <i>Biotechnology for Biofuels</i> , 2021, 14, 18.	6.2	15
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81	Exogenous chalcone synthase expression in developing poplar xylem incorporates naringenin into lignins. <i>Plant Physiology</i> , 2022, 188, 984-996.	2.3	14
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94	Deficiency in flavonoid biosynthesis genes <i>CHS</i> , <i>CHI</i> , and <i>CHIL</i> alters rice flavonoid and lignin profiles. <i>Plant Physiology</i> , 2022, 188, 1993-2011.	2.3	18
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97	Transcriptional and metabolic changes associated with internode development and reduced cinnamyl alcohol dehydrogenase activity in sorghum. <i>Journal of Experimental Botany</i> , 2022, 73, 6307-6333.	2.4	6
98	Loosen up! How lignin manipulations affect biomass molecular assembly and deconstruction. <i>Plant Physiology</i> , 0, , .	2.3	0
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100	High value valorization of lignin as environmental benign antimicrobial. <i>Materials Today Bio</i> , 2023, 18, 100520.	2.6	13
102	Unveiling lignin structures and lignin-carbohydrate complex (LCC) linkages of bamboo (<i>Phyllostachys</i>) Tj ETQq1 1 0.784314 rgBT /Overl 241, 124461.	3.6	3