

Albrecht Roscher

List of Publications by Year in descending order

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22
papers

807
citations

623734

14
h-index

677142

22
g-index

22
all docs

22
docs citations

22
times ranked

1022
citing authors

#	ARTICLE	IF	CITATIONS
1	In Vivo Use of 1D and 2D 1H NMR to Examine the Glycosylation of Scopoletin in <i>Duboisia myoporoides</i> Cell Suspensions. <i>Planta Medica</i> , 2018, 84, 971-975.	1.3	1
2	Kinetics of the incorporation of the main phenolic compounds into the lignan macromolecule during flaxseed development. <i>Food Chemistry</i> , 2017, 217, 1-8.	8.2	28
3	In Vivo NMR for 13C metabolic Flux Analysis. <i>Methods in Molecular Biology</i> , 2014, 1090, 143-152.	0.9	3
4	Development of an NMR metabolomics-based tool for selection of flaxseed varieties. <i>Metabolomics</i> , 2014, 10, 1258-1267.	3.0	17
5	Microwave-Assisted Extraction of Herbacetin Diglucoside from Flax (<i>Linum usitatissimum</i> L.) Seed Cakes and Its Quantification using an RP-HPLC-UV System. <i>Molecules</i> , 2014, 19, 3025-3037.	3.8	40
6	Quantifying 13C-labeling in Free Sugars and Starch by GC-MS. <i>Methods in Molecular Biology</i> , 2014, 1090, 121-130.	0.9	2
7	Concentration Kinetics of Secoisolariciresinol Diglucoside and its Biosynthetic Precursor Coniferin in Developing Flaxseed. <i>Phytochemical Analysis</i> , 2013, 24, 41-46.	2.4	9
8	Gas chromatography-mass spectrometry analysis of 13C labeling in sugars for metabolic flux analysis. <i>Analytical Biochemistry</i> , 2012, 425, 183-188.	2.4	19
9	Resolving the Role of Plant Glutamate Dehydrogenase. I. in vivo Real Time Nuclear Magnetic Resonance Spectroscopy Experiments. <i>Plant and Cell Physiology</i> , 2009, 50, 1761-1773.	3.1	110
10	Optimisation of 1D and 2D in vivo 1H NMR to study tropane alkaloid metabolism in <i>Pseudomonas</i> . <i>Comptes Rendus Chimie</i> , 2008, 11, 457-464.	0.5	6
11	In vivo 13C NMR determines metabolic fluxes and steady state in linseed embryos. <i>Phytochemistry</i> , 2007, 68, 2341-2350.	2.9	28
12	Progress in understanding the N-demethylation of alkaloids by exploiting isotopic techniques. <i>Phytochemistry Reviews</i> , 2007, 6, 51-63.	6.5	14
13	Optimised NMR detection of 13C-2H double labelling in small molecules. <i>Comptes Rendus Chimie</i> , 2006, 9, 514-519.	0.5	4
14	15N relaxation and quantification of 15N-labelled metabolites in cell extracts. <i>Comptes Rendus Chimie</i> , 2006, 9, 520-524.	0.5	1
15	Nicotine demethylation in <i>Nicotiana</i> cell suspension cultures: N ² -formylornicotine is not involved. <i>Phytochemistry</i> , 2005, 66, 2432-2440.	2.9	22
16	Stereoselectivity of the demethylation of nicotine piperidine homologues by <i>Nicotiana plumbaginifolia</i> cell suspension cultures. <i>Phytochemistry</i> , 2005, 66, 1890-1897.	2.9	8
17	Evidence for the involvement of tetrahydrofolate in the demethylation of nicotine by <i>Nicotiana plumbaginifolia</i> cell-suspension cultures. <i>Planta</i> , 2002, 214, 911-919.	3.2	26
18	Activation of pyrophosphate:fructose-6-phosphate 1-phosphotransferase by fructose 2,6-bisphosphate stimulates conversion of hexose phosphates to triose phosphates but does not influence accumulation of carbohydrates in phosphate-deficient tobacco cells. <i>Physiologia Plantarum</i> , 2002, 114, 172-181.	5.2	22

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19	Fructose 2,6-bisphosphate activates pyrophosphate: fructose-6-phosphate 1-phosphotransferase and increases triose phosphate to hexose phosphate cycling in heterotrophic cells. <i>Planta</i> , 2001, 212, 250-263.	3.2	223
20	Plant NMR spectroscopy. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2001, 39, 267-300.	7.5	72
21	Strategies for metabolic flux analysis in plants using isotope labelling. <i>Journal of Biotechnology</i> , 2000, 77, 81-102.	3.8	111
22	Unidirectional Steady State Rates of Central Metabolism Enzymes Measured Simultaneously in a Living Plant Tissue. <i>Journal of Biological Chemistry</i> , 1998, 273, 25053-25061.	3.4	41