Richard J Robins

List of Publications by Year
in descending order

158	4,999	94433	114465
papers	citations	37 h-index	63 g-index

167	167	167	4121
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular Paleohydrology: Interpreting the Hydrogen-Isotopic Composition of Lipid Biomarkers from Photosynthesizing Organisms. Annual Review of Earth and Planetary Sciences, 2012, 40, 221-249.	11.0	748
2	Over-expressing a yeast ornithine decarboxylase gene in transgenic roots of Nicotiana rustica can lead to enhanced nicotine accumulation. Plant Molecular Biology, 1990, 15, 27-38.	3.9	173
3	New Routes to Plant Secondary Products. Nature Biotechnology, 1987, 5, 800-804.	17.5	145
4	Efficient Enantiomeric Synthesis of Pyrrolidine and Piperidine Alkaloids from Tobacco. Journal of Organic Chemistry, 2001, 66, 6305-6312.	3.2	123
5	Variation in tropane alkaloid accumulation within the solanaceae and strategies for its exploitation. Phytochemistry, 1990, 29, 2545-2550.	2.9	108
6	Studies on the biosynthesis of tropane alkaloids in Datura stramonium L. transformed root cultures. Planta, 1991, 183, 185-195.	3.2	90
7	Accurate Quantitative ¹³C NMR Spectroscopy:â€‰ Repeatability over Time of Site-Specific ¹³C Isotope Ratio Determination. Analytical Chemistry, 2007, 79, 8266-8269.	6.5	90
8	Authentication of the Origin of Vanillin Using Quantitative Natural Abundance13C NMR. Journal of Agricultural and Food Chemistry, 2004, 52, 7782-7787.	5.2	85
9	The stimulation of anthraquinone production by Cinchona ledgeriana cultures with polymeric adsorbents. Applied Microbiology and Biotechnology, 1986, 24, 35.	3.6	82
10	Isotopic 13C NMR spectrometry to assess counterfeiting of active pharmaceutical ingredients: Site-specific 13C content of aspirin and paracetamol. Journal of Pharmaceutical and Biomedical Analysis, 2009, 50, 336-341.	2.8	81
11	Determination of Substrate and Product Concentrations in Lactic Acid Bacterial Fermentations by Proton NMR Using the ERETIC Method. Analytical Chemistry, 2001, 73, 1862-1868.	6.5	79
12	Intramolecular¹³C pattern in hexoses from autotrophic and heterotrophic C₃plant tissues. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18204-18209.	7.1	78
13	Î´15N and Î´13C in hair from newborn infants and their mothers: a cohort study. Pediatric Research, 2012, 71, 598-604.	2.3	71
14	Alkaloid Production by Transformed Root Cultures ofCinchona ledgeriana. Planta Medica, 1989, 55, 354-357.	1.3	70
15	Multi-factorialin vivostable isotope fractionation: causes, correlations, consequences and applications. Isotopes in Environmental and Health Studies, 2015, 51, 155-199.	1.0	69
16	Accurate Quantitative Isotopic ¹³C NMR Spectroscopy for the Determination of the Intramolecular Distribution of ¹³C in Glucose at Natural Abundance. Analytical Chemistry, 2009, 81, 8978-8985.	6.5	68
17	Studies on the biosynthesis of tropane alkaloids in Datura stramonium L. transformed root cultures. Planta, 1991, 183, 196-201.	3.2	67
18	NMR Approach to the Quantification of Nonstatistical13C Distribution in Natural Products:Â Vanillin. Analytical Chemistry, 2004, 76, 3818-3825.	6.5	66

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19	Simultaneous determination of glutathione and cysteine concentrations and 2H enrichments in microvolumes of neonatal blood using gas chromatographyâ€“mass spectrometry. Analytical and Bioanalytical Chemistry, 2008, 390, 1403-1412.	3.7	64
20	Analysis of molecular isotopic structures at high precision and accuracy by Orbitrap mass spectrometry. International Journal of Mass Spectrometry, 2017, 422, 126-142.	1.5	64
21	Perturbation of alkaloid production by cadaverine in hairy root cultures of Nicotiana rustica. Plant Science, 1988, 54, 125-131.	3.6	59
22	1H-NMR-Based Metabolic Profiling of Maternal and Umbilical Cord Blood Indicates Altered Materno-Foetal Nutrient Exchange in Preterm Infants. PLoS ONE, 2012, 7, e29947.	2.5	57
23	Unexpected Fractionation in Site-Specific13C Isotopic Distribution Detected by Quantitative13C NMR at Natural Abundance. Journal of the American Chemical Society, 2008, 130, 414-415.	13.7	52
24	A ¹³C NMR spectrometric method for the determination of intramolecular Î´¹³C values in fructose from plant sucrose samples. New Phytologist, 2011, 191, 579-588.	7.3	51
25	The intramolecular ¹³Câ€¢distribution in ethanol reveals the influence of the CO₂â€fixation pathway and environmental conditions on the siteâ€specific ¹³C variation in glucose. Plant, Cell and Environment, 2011, 34, 1104-1112.	5.7	50
26	The Biosynthesis of Tropane Alkaloids in Datura stramonium: The Identity of the Intermediates between N-Methylpyrrolinium Salt and Tropinone. Journal of the American Chemical Society, 1997, 119, 10929-10934.	13.7	49
27	Levels of tropinone-reductase activities influence the spectrum of tropane esters found in transformed root cultures of Datura stramonium L.. Planta, 1992, 188, 581-6.	3.2	46
28	Phytochemicals Isolated from Leaves of <scp>Chromolaena odorata</scp>: Impact on Viability and Clonogenicity of Cancer Cell Lines. Phytotherapy Research, 2013, 27, 835-840.	5.8	46
29	Biosynthesis of hyoscyamine involves an intramolecular rearrangement of littorine. Journal of the Chemical Society Perkin Transactions 1, 1994, , 615.	0.9	44
30	Nauclea latifolia: biological activity and alkaloid phytochemistry of a West African tree. Natural Product Reports, 2016, 33, 1034-1043.	10.3	44
31	Permeabilization of Cinchona ledgeriana cells by dimethylsulphoxide. effects on alkaloid release and long-term membrane integrity. Plant Cell Reports, 1984, 3, 262-265.	5.6	43
32	Measurement of 2H distribution in natural products by quantitative 2H NMR: An approach to understanding metabolism and enzyme mechanism?. Phytochemistry Reviews, 2003, 2, 87-102.	6.5	43
33	The Nicotinic Pharmacophore:Â Thermodynamics of the Hydrogen-Bonding Complexation of Nicotine, Nornicotine, and Models. Journal of Organic Chemistry, 2003, 68, 8208-8221.	3.2	42
34	Investigation of Fatty Acid Elongation and Desaturation Steps in Fusarium lateritium by Quantitative Two-dimensional Deuterium NMR Spectroscopy in Chiral Oriented Media. Journal of Biological Chemistry, 2009, 284, 10783-10792.	3.4	41
35	Natural Deuterium Distribution in Long-Chain Fatty Acids Is Nonstatistical: A Site-Specific Study by Quantitative2H NMR Spectroscopy. ChemBioChem, 2001, 2, 425-431.	2.6	40
36	Cord Blood Glutathione Depletion in Preterm Infants: Correlation with Maternal Cysteine Depletion. PLoS ONE, 2011, 6, e27626.	2.5	40

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37	Tryptophan decarboxylase strictosidine synthase and alkaloid production by Cinchona ledgeriana suspension cultures. Phytochemistry, 1987, 26, 721-725.	2.9	39
38	Characterization of nitrogen relationships between Sorghum bicolor and the root-hemiparasitic angiosperm Striga hermonthica (Del.) Benth. using K15NO3 as isotopic tracer. Journal of Experimental Botany, 2003, 54, 789-799.	4.8	37
39	Correlation between the synthetic origin of methamphetamine samples and their 15N and 13C stable isotope ratios. Analytica Chimica Acta, 2007, 593, 20-29.	5.4	36
40	Tropic acid ester biosynthesis in Datura stramonium and related species. Chemical Society Reviews, 1998, 27, 207.	38.1	35
41	Biochemical and physiological determinants of intramolecular isotope patterns in sucrose from C3, C4 and CAM plants accessed by isotopic 13C NMR spectrometry: a viewpoint. Natural Product Reports, 2012, 29, 476.	10.3	34
42	Occurrence of the Synthetic Analgesic Tramadol in an African Medicinal Plant. Angewandte Chemie - International Edition, 2013, 52, 11780-11784.	13.8	34
43	In vivo 15N NMR studies of secondary metabolism in transformed root cultures of Datura stramonium and Nicotiana tabacum. Phytochemistry, 1994, 36, 333-339.	2.9	33
44	A short and efficient synthesis of unnatural (R)-nicotine. Tetrahedron Letters, 2000, 41, 9245-9249.	1.4	33
45	Determination of Deuterium Isotope Ratios by Quantitative2H NMR Spectroscopy:Â the ERETIC Method As a Generic Reference Signal. Analytical Chemistry, 2002, 74, 5902-5906.	6.5	33
46	Nonstatistical 13C Distribution during Carbon Transfer from Glucose to Ethanol during Fermentation Is Determined by the Catabolic Pathway Exploited. Journal of Biological Chemistry, 2015, 290, 4118-4128.	3.4	32
47	Specificities of the enzymes of N-alkyltropane biosynthesis in Brugmansia and Datura. Phytochemistry, 1999, 52, 871-878.	2.9	31
48	Assignment of Absolute Configuration of Natural Abundance Deuterium Signals Associated with (R)- and (S)-Enantioisotopomers in a Fatty Acid Aligned in a Chiral Liquid Crystal:Â Enantioselective Synthesis and NMR Analysis. Journal of the American Chemical Society, 2006, 128, 11180-11187.	13.7	31
49	The biosynthesis of hyoscyamine: the process by which littorine rearranges to hyoscyamine. Journal of the Chemical Society Perkin Transactions 1, 1995, , 481.	0.9	30
50	Conditions to obtain precise and true measurements of the intramolecular 13C distribution in organic molecules by isotopic 13C nuclear magnetic resonance spectrometry. Analytica Chimica Acta, 2014, 846, 1-7.	5.4	30
51	Higher Leptin but Not Human Milk Macronutrient Concentration Distinguishes Normal-Weight from Obese Mothers at 1-Month Postpartum. PLoS ONE, 2016, 11, e0168568.	2.5	30
52	Fractionation in position-specific isotope composition during vaporization of environmental pollutants measured with isotope ratio monitoring by 13C nuclear magnetic resonance spectrometry. Environmental Pollution, 2015, 205, 299-306.	7.5	29
53	Natural Deuterium Distribution in Branched-Chain Medium-Length Fatty Acids is Nonstatistical: A Site-Specific Study by Quantitative 2H NMR Spectroscopy of the Fatty Acids of Capsaicinoids. ChemBioChem, 2002, 3, 212-218.	2.6	28
54	Natural Deuterium Distribution in Fatty Acids Isolated from Peanut Seed Oil: A Site-Specific Study by Quantitative 2H NMR Spectroscopy. ChemBioChem, 2002, 3, 752.	2.6	28

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55	Position-Specific Isotope Analysis of Xanthines: A ¹³C Nuclear Magnetic Resonance Method to Determine the ¹³C Intramolecular Composition at Natural Abundance. Analytical Chemistry, 2015, 87, 6600-6606.	6.5	28
56	Exploration of Biological Markers of Feed Efficiency in Young Bulls. Journal of Agricultural and Food Chemistry, 2017, 65, 9817-9827.	5.2	28
57	Scanning the isotopic structure of molecules by tandem mass spectrometry. International Journal of Mass Spectrometry, 2018, 434, 276-286.	1.5	28
58	Rate of carbon dioxide production and energy expenditure in fed and food-deprived adult dogs determined by indirect calorimetry and isotopic methods. American Journal of Veterinary Research, 2002, 63, 111-118.	0.6	27
59	Quantitative isotopic 13C nuclear magnetic resonance at natural abundance to probe enzyme reaction mechanisms via site-specific isotope fractionation: The case of the chain-shortening reaction for the bioconversion of ferulic acid to vanillin. Analytical Biochemistry, 2009, 393, 182-188.	2.4	27
60	Apparent free space and cell volume estimation: A non-destructive method for assessing the growth and membrane integrity/viability of immobilised plant cells. Plant Cell Reports, 1984, 3, 161-164.	5.6	26
61	Quinoline Alkaloid Production by Transformed Cultures ofCinchona ledgeriana. Planta Medica, 1987, 53, 367-372.	1.3	26
62	Chiral specificity of the degradation of nicotine by Nicotiana plumbaginifolia cell suspension cultures. Plant Science, 2001, 161, 1011-1018.	3.6	26
63	Evidence for the involvement of tetrahydrofolate in the demethylation of nicotine by Nicotiana plumbaginifolia cell-suspension cultures. Planta, 2002, 214, 911-919.	3.2	26
64	Human baby hair amino acid natural abundance 15N-isotope values are not related to the 15N-isotope values of amino acids in motherâ€™s breast milk protein. Amino Acids, 2013, 45, 1365-1372.	2.7	26
65	In vivo NMR analysis of tropane alkaloid metabolism in transformed root and de-differentiated cultures of Datura stramonium. Phytochemistry, 1996, 43, 115-120.	2.9	24
66	Evidence of 13C non-covalent isotope effects obtained by quantitative 13C nuclear magnetic resonance spectroscopy at natural abundance during normal phase liquid chromatography. Journal of Chromatography A, 2009, 1216, 7043-7048.	3.7	24
67	Internal Referencing for ¹³C Position-Specific Isotope Analysis Measured by NMR Spectrometry. Analytical Chemistry, 2015, 87, 7550-7554.	6.5	24
68	A retro-biosynthetic approach to the prediction of biosynthetic pathways from position-specific isotope analysis as shown for tramadol. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8296-8301.	7.1	24
69	Natural Abundance Hydrogen Isotope Affiliation between the Reactants and the Products in Glucose Fermentation with Yeast. Journal of Agricultural and Food Chemistry, 2003, 51, 2076-2082.	5.2	22
70	Nicotine demethylation in Nicotiana cell suspension cultures: Nâ€²-formylnornicotine is not involved. Phytochemistry, 2005, 66, 2432-2440.	2.9	22
71	Insights into Mechanistic Models for Evaporation of Organic Liquids in the Environment Obtained by Position-Specific Carbon Isotope Analysis. Environmental Science & Technology, 2015, 49, 12782-12788.	10.0	22
72	The biosynthesis of tropic acid in plants: evidence for the direct rearrangement of 3-phenyllactate to tropate. Journal of the Chemical Society Perkin Transactions 1, 1994, , 1159.	0.9	21

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73	Enhanced forensic discrimination of pollutants by position-specific isotope analysis using isotope ratio monitoring by 13C nuclear magnetic resonance spectrometry. Talanta, 2016, 147, 383-389.	5.5	21
74	High-performance liquid chromatographic methods for the analysis and purification of quassinoids from Quassia amara L.. Journal of Chromatography A, 1984, 283, 436-440.	3.7	20
75	Biosynthesis of nornicotine in root cultures of Nicotiana alata does not involve oxidation at C-5â€² of nicotine. Phytochemistry, 1997, 46, 117-122.	2.9	20
76	Metabolic flux in glucose/citrate co-fermentation by lactic acid bacteria as measured by isotopic ratio analysis. FEMS Microbiology Letters, 2000, 182, 207-211.	1.8	20
77	An enzyme-linked immunosorbent assay for quassin and closely related metabolites. Analytical Biochemistry, 1984, 136, 145-156.	2.4	19
78	Metabolism of N-alkyldiamines and N-alkylnortropinones by transformed root cultures of Nicotiana and Brugmansia. Phytochemistry, 1999, 52, 855-869.	2.9	19
79	The biosynthesis of tropic acid: the (R)-D-phenyllactyl moiety is processed by the mutase involved in hyoscyamine biosynthesis in Datura stramonium. Journal of the Chemical Society Chemical Communications, 1995, , 127.	2.0	18
80	In vivo nuclear-magnetic-resonance analysis of polyamine and alkaloid metabolism in transformed root cultures of Datura stramonium L.: evidence for the involvement of putrescine in phytohormone-induced de-differentiation. Planta, 1998, 205, 205-213.	3.2	18
81	Quantitative 2 H NMR analysis of deuterium distribution in petroselinic acid isolated from parsley seed. Phytochemistry, 2003, 64, 227-233.	2.9	18
82	Effect of water availability on changes in root amino acids and associated rhizosphere on root exudation of amino acids in Pisum sativum L.. Phytochemistry, 2019, 161, 75-85.	2.9	18
83	Strategies for the Genetic Manipulation of Alkaloid-Producing Pathways in Plants. Planta Medica, 1991, 57, S27-S35.	1.3	17
84	Altered nitrogen metabolism associated with de-differentiated suspension cultures derived from root cultures of Datura stramonium studied by heteronuclear multiple bond coherence (HMBC) NMR spectroscopy. Journal of Experimental Botany, 2004, 55, 1053-1060.	4.8	17
85	Quantitative 2H NMR at Natural Abundance Can Distinguish the Pathway Used for Glucose Fermentation by Lactic Acid Bacteria. Journal of Biological Chemistry, 2004, 279, 24923-24928.	3.4	17
86	Deuterium NMR Used To Indicate a Common Mechanism for the Biosynthesis of Ricinoleic Acid by Ricinus communis and Claviceps purpurea. Journal of the American Chemical Society, 2004, 126, 3250-3256.	13.7	17
87	The prediction of isotopic patterns in phenylpropanoids from their precursors and the mechanism of the NIH-shift: Basis of the isotopic characteristics of natural aromatic compounds. Phytochemistry, 2006, 67, 1094-1103.	2.9	17
88	Probing substrateâ€“product relationships by natural abundance deuterium 2D NMR spectroscopy in liquid-crystalline solvents: epoxidation of linoleate to vernoleate by two different plant enzymes. Analytical and Bioanalytical Chemistry, 2012, 402, 2985-2998.	3.7	17
89	Evolution of the amino acid fingerprint in the unsterilized rhizosphere of a legume in relation to plant maturity. Soil Biology and Biochemistry, 2016, 101, 226-236.	8.8	17
90	Esterification reactions in the biosynthesis of tropane alkaloids in transformed root cultures. Plant Cell, Tissue and Organ Culture, 1994, 38, 241-247.	2.3	16

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91	The application of root cultures to problems of biological chemistry. Natural Product Reports, 1998, 15, 549.	10.3	16
92	Analytical model for site-specific isotope fractionation in 13C during sorption: Determination by isotopic 13C NMR spectrometry with vanillin as model compound. Chemosphere, 2012, 87, 445-452.	8.2	16
93	Simultaneous determination of naturalâ€abundance Î´¹⁵N values and quantities of individual amino acids in proteins from milk of lactating women and from infant hair using gas chromatography/isotope ratio mass spectrometry. Rapid Communications in Mass Spectrometry, 2013, 27, 1345-1353.	1.5	16
94	Position-Specific ¹³C Fractionation during Liquidâ€“Vapor Transition Correlated to the Strength of Intermolecular Interaction in the Liquid Phase. Journal of Physical Chemistry B, 2017, 121, 5810-5817.	2.6	16
95	Quantitative Deuterium Isotopic Profiling at Natural Abundance Indicates Mechanistic Differences for Î”12-Epoxidase and Î”12-Desaturase in Vernonia galamensis. Journal of Biological Chemistry, 2005, 280, 17645-17651.	3.4	15
96	Non-statistical 13C Fractionation Distinguishes Co-incident and Divergent Steps in the Biosynthesis of the Alkaloids Nicotine and Tropine. Journal of Biological Chemistry, 2016, 291, 16620-16629.	3.4	15
97	Determination of ¹³C isotopic enrichment of glutathione and glycine by gas chromatography/combustion/isotope ratio mass spectrometry after formation of the Nâ€•or N,Sâ€ethoxycarbonyl methyl ester derivatives. Rapid Communications in Mass Spectrometry, 2007, 21, 3245-3252.	1.5	14
98	Progress in understanding the N-demethylation of alkaloids by exploiting isotopic techniques. Phytochemistry Reviews, 2007, 6, 51-63.	6.5	14
99	Elucidation of the mechanism of N-demethylation catalyzed by cytochrome P450 monooxygenase is facilitated by exploiting nitrogen-15 heavy isotope effects. Archives of Biochemistry and Biophysics, 2011, 510, 35-41.	3.0	14
100	Cytochrome P450-Catalyzed Degradation of Nicotine: Fundamental Parameters Determining Hydroxylation by Cytochrome P450 2A6 at the 5â€²-Carbon or the N-Methyl Carbon. Journal of Physical Chemistry B, 2012, 116, 7827-7840.	2.6	14
101	Natural ¹⁵N Abundance in Key Amino Acids from Lamb Muscle: Exploring a New Horizon in Diet Authentication and Assessment of Feed Efficiency in Ruminants. Journal of Agricultural and Food Chemistry, 2016, 64, 4058-4067.	5.2	14
102	Non-equivalence of Hydrogen Transfer from Glucose to the pro-R and pro-S Methylene Positions of Ethanol during Fermentation by Leuconostoc mesenteroides Quantified by 2H NMR at Natural Abundance. Journal of Biological Chemistry, 2008, 283, 9704-9712.	3.4	13
103	Lack of correlation between glutathione turnover and amino acid absorption by the yeast Saccharomyces cerevisiae. Phytochemistry, 1981, 20, 1497-1499.	2.9	12
104	Uncharacteristic alkaloid synthesis by suspension cultures of Cinchona pubescens fed with L-tryptophan. Plant Cell, Tissue and Organ Culture, 1987, 9, 49-59.	2.3	12
105	Investigation of the mechanism of nicotine demethylation in Nicotiana through 2H and 15N heavy isotope effects: Implication of cytochrome P450 oxidase and hydroxyl ion transfer. Archives of Biochemistry and Biophysics, 2007, 458, 175-183.	3.0	12
106	Biomimetic synthesis of Tramadol. Chemical Communications, 2015, 51, 14451-14453.	4.1	12
107	An evaluation of the tautomerism of cinchoninone and quinidinone made using a combination of 1H NMR and 13C NMR spectroscopy. Phytochemistry, 1987, 26, 551-556.	2.9	11
108	The role of glutathione in amino acid absorption by yeast. FEBS Letters, 1980, 111, 432-432.	2.8	10

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109	Insights into the role of methionine synthase in the universal 13 C depletion in O - and N -methyl groups of natural products. Archives of Biochemistry and Biophysics, 2017, 635, 60-65.	3.0	10
110	The use of agarose bead culture for the regeneration of single cell-derived colonies from protoplasts isolated from suspension cultures of Humulus lupulus. Plant Cell, Tissue and Organ Culture, 1987, 8, 17-25.	2.3	9
111	Determination of the natural abundance Î´15N of nicotine and related alkaloids by gas chromatography/isotope ratio mass spectrometry. Rapid Communications in Mass Spectrometry, 2005, 19, 2039-2044.	1.5	9
112	Impact of the deuterium isotope effect on the accuracy of 13C NMR measurements of site-specific isotope ratios at natural abundance in glucose. Analytical and Bioanalytical Chemistry, 2010, 398, 1979-1984.	3.7	9
113	Chapter 2 The Biosynthesis of Tropane Alkaloids. Alkaloids: Chemistry and Pharmacology, 1993, 44, 115-187.	0.2	8
114	Stereoselectivity of the demethylation of nicotine piperidine homologues by Nicotiana plumbaginifolia cell suspension cultures. Phytochemistry, 2005, 66, 1890-1897.	2.9	8
115	Determination of the natural abundance Î´15N of nortropane alkaloids by gas chromatographyâ€“isotope ratio mass spectrometry of their ethylcarbamate esters. Analytical and Bioanalytical Chemistry, 2010, 396, 1405-1414.	3.7	8
116	Predicting equilibrium vapour pressure isotope effects by using artificial neural networks or multi-linear regression â€“ A quantitative structure property relationship approach. Chemosphere, 2015, 134, 521-527.	8.2	8
117	Non-statistical isotope fractionation as a novel â€œretro-biosyntheticâ€•approach to understanding alkaloid metabolic pathways. Phytochemistry Letters, 2017, 20, 499-506.	1.2	8
118	Analytical contribution of deuterium 2Dâ€‹<scp>NMR</scp> in oriented media to ²H/¹H isotopic characterization: the case of vanillin. Flavour and Fragrance Journal, 2018, 33, 217-229.	2.6	8
119	Probing stereoselectivity and pro-chirality of hydride transfer during short-chain alcohol dehydrogenase activity: A combined quantitative 2H NMR and computational approach. Archives of Biochemistry and Biophysics, 2009, 482, 42-51.	3.0	7
120	A spectrophotometric assay for strictosidine synthase. Analytical Biochemistry, 1987, 163, 482-488.	2.4	6
121	Optimisation of 1D and 2D in vivo 1H NMR to study tropane alkaloid metabolism in Pseudomonas. Comptes Rendus Chimie, 2008, 11, 457-464.	0.5	6
122	Determination of nitrogenâ€‹15 isotope fractionation in tropine: evaluation of extraction protocols for isotope ratio measurement by isotope ratio mass spectrometry. Rapid Communications in Mass Spectrometry, 2009, 23, 4031-4037.	1.5	6
123	Cytochrome P450 Monooxygenaseâ€Catalyzed Ring Opening of the Bicyclic Amine, Nortropine: An Experimental and DFT Computational Study. ChemCatChem, 2012, 4, 530-539.	3.7	6
124	A Ring-D-Seco-Tetranortriterpenoid from Seeds of Carapa procera Active against Breast Cancer Cell Lines. Planta Medica, 2016, 82, 967-972.	1.3	6
125	Expanded uncertainty associated with determination of isotope enrichment factors: Comparison of two point calculation and Rayleigh-plot. Talanta, 2018, 176, 367-373.	5.5	6
126	The fiftieth anniversary meeting of the Phytochemical Society of Europe: Churchill College, Cambridge, 11â€“14 April 2007Highlights in the Evolution of Phytochemistry. Phytochemistry, 2007, 68, 2699-2704.	2.9	5

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127	Targeted distribution of photo-assimilate in Striga hermonthica (Del.) Benth parasitic on Sorghum bicolor L.. Phytochemistry Letters, 2008, 1, 76-80.	1.2	5
128	A Short and Efficient Synthesis of Bridgehead Monoâ€•and Dideuteriated Tropinones. European Journal of Organic Chemistry, 2010, 2010, 152-156.	2.4	5
129	Phytochemical investigation of the leaves of Leptoderris fasciculata. Phytochemistry Letters, 2013, 6, 253-256.	1.2	5
130	Progress in the Genetic Engineering of the Pyridine and Tropane Alkaloid Biosynthetic Pathways of Solanaceous Plants. , 1994, , 1-33.		5
131	Esterification reactions in the biosynthesis of tropane alkaloids in transformed root cultures. , 1994, , 241-247.		5
132	Synthesis of15N-labelled nornicotine and15N-labelled nicotine. Journal of Labelled Compounds and Radiopharmaceuticals, 2001, 44, 881-888.	1.0	4
133	Natural-abundance isotope ratio mass spectrometry as a means of evaluating carbon redistribution during glucose-citrate cofermentation by Lactococcus lactis. FEBS Journal, 2004, 271, 4392-4400.	0.2	4
134	Optimised NMR detection of 13Câ€“2H double labelling in small molecules. Comptes Rendus Chimie, 2006, 9, 514-519.	0.5	4
135	Impact on bulk 15N natural isotopic abundance in hair of kidney function in type 2 diabetic nephropathy. E-SPEN Journal, 2014, 9, e204-e209.	0.5	4
136	Position-Specific Isotope Analysis by Isotopic NMR Spectrometry: New Insights on Environmental Pollution Studies. Procedia Earth and Planetary Science, 2015, 13, 92-95.	0.6	4
137	Isotope Ratio Monitoring 13 C Nuclear Magnetic Resonance Spectrometry for the Analysis of Position-Specific Isotope Ratios. Methods in Enzymology, 2017, 596, 369-401.	1.0	4
138	Simulating Stable Isotope Ratios in Plumes of Groundwater Pollutants with <scp>BIOSCREENâ€ATâ€ISO</scp>. Ground Water, 2017, 55, 261-267.	1.3	4
139	Intramolecular isotope effects during permanganate oxidation and acid hydrolysis of methyl tert-butyl ether. Chemosphere, 2020, 248, 125975.	8.2	4
140	High-performance liquid chromatography of the alkaloid perivine from Catharanthus roseus after derivatisation with dansyl chloride. Journal of Chromatography A, 1993, 653, 161-166.	3.7	3
141	Difficulties in Differentiating Natural from Synthetic Alkaloids by Isotope Ratio Monitoring using 13C Nuclear Magnetic Resonance Spectrometry. Planta Medica, 2018, 84, 935-940.	1.3	3
142	Protein restricted diet during gestation and/or lactation in mice affects 15N natural isotopic abundance of organs in the offspring: Effect of diet 15N content and growth. PLoS ONE, 2018, 13, e0205271.	2.5	3
143	The Biosynthesis of Alkaloids in Root Cultures. , 1998, , 199-218.		3
144	Use of heteronuclear multiple bond coherence NMR spectroscopy to monitor nitrogen metabolism in a transformed root culture of Datura stramonium. Comptes Rendus De L'Academie Des Sciences - Series IIc: Chemistry, 2001, 4, 775-778.	0.1	2

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145	Determination of the natural abundance Î´¹⁵N of taurine by gas chromatographyâ€“isotope ratio measurement mass spectrometry. Rapid Communications in Mass Spectrometry, 2010, 24, 3380-3386.	1.5	2
146	Des cheveux pour Ã©valuer le mÃ©tabolisme protÃ©ique chez lâ€™homme. Cahiers De Nutrition Et De Dietetique, 2013, 48, 86-91.	0.3	2
147	Isotope Ratio Monitoring by NMR Part 2: New Applications in the Field of Defining Biosynthesis. , 2016, , 1-26.		2
148	Stimulation of glutathione degradation by amino acids: lack of stereospecificity. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1985, 80, 831-837.	0.2	1
149	Measurement of DL-Î±-difluoromethylornithine concentration using ornithine decarboxylase. Phytochemical Analysis, 1990, 1, 36-39.	2.4	1
150	Determination of the concentration of nitrogenous bio-organic compounds using an isotope ratio mass spectrometer operating in continuous flow mode. Analytical and Bioanalytical Chemistry, 2011, 401, 1263-1271.	3.7	1
151	Tropane alkaloid metabolism by Pseudomonas AT3 cell cultures: Interchange between the nortropine and norpseudotropine catabolic pathways. Phytochemistry Letters, 2014, 10, lx-lxviii.	1.2	1
152	Position-specific Carbon Isotope Fractionation gives Insights into Mechanistic Models for Evaporation of Organic Liquids in the Environment. Procedia Earth and Planetary Science, 2015, 13, 96-99.	0.6	1
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