

# Ana Gil

## List of Publications by Year in descending order

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180  
papers

7,263  
citations

44444

50  
h-index

81351

76  
g-index

188  
all docs

188  
docs citations

188  
times ranked

10289  
citing authors

#	ARTICLE	IF	CITATIONS
1	Potential role of pulses in the development of functional foods modulating inflammation and oxidative stress. , 2022, , 287-309.		1
2	NMR Metabolomics Assessment of Osteogenic Differentiation of Adipose-Tissue-Derived Mesenchymal Stem Cells. Journal of Proteome Research, 2022, 21, 654-670.	1.8	7
3	Metabolic Impact of Anticancer Drugs Pd2Spermine and Cisplatin on the Brain of Healthy Mice. Pharmaceutics, 2022, 14, 259.	2.0	4
4	Metabolic Adaptations in an Endocrine-Related Breast Cancer Mouse Model Unveil Potential Markers of Tumor Response to Hormonal Therapy. Frontiers in Oncology, 2022, 12, 786931.	1.3	1
5	Endo- and Exometabolome Crosstalk in Mesenchymal Stem Cells Undergoing Osteogenic Differentiation. Cells, 2022, 11, 1257.	1.8	6
6	Concordance in RT-PCR detection of SARS-CoV-2 between samples preserved in viral and bacterial transport medium. Journal of Virological Methods, 2022, 304, 114522.	1.0	0
7	SARS-CoV-2 infections in households in a peri-urban community of Lima, Peru: A prospective cohort study. Influenza and Other Respiratory Viruses, 2022, 16, 386-394.	1.5	7
8	Self-assembly pathways in a triphenylalanine peptide capped with aromatic groups. Colloids and Surfaces B: Biointerfaces, 2022, 216, 112522.	2.5	4
9	Prevalence and sociobehavioural determinants of early childhood caries among 5-year-old Portuguese children: a longitudinal study. European Archives of Paediatric Dentistry: Official Journal of the European Academy of Paediatric Dentistry, 2021, 22, 399-408.	0.7	7
10	Benefits of pulse consumption on metabolism and health: A systematic review of randomized controlled trials. Critical Reviews in Food Science and Nutrition, 2021, 61, 85-96.	5.4	81
11	Novel Insights into Mice Multi-Organ Metabolism upon Exposure to a Potential Anticancer Pd(II)-Agent. Metabolites, 2021, 11, 114.	1.3	8
12	Metabolomic Applications in Stem Cell Research: a Review. Stem Cell Reviews and Reports, 2021, 17, 2003-2024.	1.7	9
13	Response of Osteosarcoma Cell Metabolism to Platinum and Palladium Chelates as Potential New Drugs. Molecules, 2021, 26, 4805.	1.7	5
14	Impact of the Pd2Spm (Spermine) Complex on the Metabolism of Triple-Negative Breast Cancer Tumors of a Xenograft Mouse Model. International Journal of Molecular Sciences, 2021, 22, 10775.	1.8	5
15	Metabolic Aspects of Palladium(II) Potential Anti-Cancer Drugs. Frontiers in Oncology, 2020, 10, 590970.	1.3	41
16	Metabolomic studies of breast cancer in murine models: A review. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165713.	1.8	10
17	Hormone-Independent Mouse Mammary Adenocarcinomas with Different Metastatic Potential Exhibit Different Metabolic Signatures. Biomolecules, 2020, 10, 1242.	1.8	2
18	Evaluation of Saliva Stability for NMR Metabolomics: Collection and Handling Protocols. Metabolites, 2020, 10, 515.	1.3	20

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19	Macrophage Metabolomics Reveals Differential Metabolic Responses to Subtoxic Levels of Silver Nanoparticles and Ionic Silver. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 1867-1876.	1.0	5
20	Cytotoxicity of Platinum and Palladium Chelates against Osteosarcoma. <i>ChemistrySelect</i> , 2020, 5, 5993-6000.	0.7	10
21	Heterochirality Restricts the Self-Assembly of Phenylalanine Dipeptides Capped with Highly Aromatic Groups. <i>Journal of Physical Chemistry B</i> , 2020, 124, 5913-5918.	1.2	11
22	A community-built calibration system: The case study of quantification of metabolites in grape juice by qNMR spectroscopy. <i>Talanta</i> , 2020, 214, 120855.	2.9	14
23	Urine Nuclear Magnetic Resonance (NMR) Metabolomics in Age-Related Macular Degeneration. <i>Journal of Proteome Research</i> , 2019, 18, 1278-1288.	1.8	15
24	Amyloid fibrils from organic solutions of an amphiphilic dipeptide. <i>Chemical Communications</i> , 2019, 55, 8556-8559.	2.2	5
25	NMR metabolomics to study the metabolic response of human osteoblasts to non-poled and poled poly (L-lactic) acid. <i>Magnetic Resonance in Chemistry</i> , 2019, 57, 919-933.	1.1	6
26	Saliva NMR metabolomics: Analytical issues in pediatric oral health research. <i>Oral Diseases</i> , 2019, 25, 1545-1554.	1.5	33
27	Metabolomics in Biomaterial Research. , 2019, , 432-442.		0
28	Multi-Organ NMR Metabolomics to Assess In Vivo Overall Metabolic Impact of Cisplatin in Mice. <i>Metabolites</i> , 2019, 9, 279.	1.3	13
29	Urine metabolomics and proteomics in prenatal health. , 2019, , 112-124.		0
30	NMR Metabolomics Reveals Metabolism-Mediated Protective Effects in Liver (HepG2) Cells Exposed to Subtoxic Levels of Silver Nanoparticles. <i>Journal of Proteome Research</i> , 2018, 17, 1636-1646.	1.8	20
31	Biofluid Metabolomics in Preterm Birth Research. <i>Reproductive Sciences</i> , 2018, 25, 967-977.	1.1	22
32	Assessing Exposome Effects on Pregnancy through Urine Metabolomics of a Portuguese (Estarreja) Cohort. <i>Journal of Proteome Research</i> , 2018, 17, 1278-1289.	1.8	12
33	Amyloid-like Fibrils from a Diphenylalanine Capped with an Aromatic Fluorenyl. <i>Langmuir</i> , 2018, 34, 15551-15559.	1.6	10
34	Intestinal Microbial and Metabolic Profiling of Mice Fed with High-Glucose and High-Fructose Diets. <i>Journal of Proteome Research</i> , 2018, 17, 2880-2891.	1.8	21
35	Impact of the Pd <sub>2</sub> Spermine Chelate on Osteosarcoma Metabolism: An NMR Metabolomics Study. <i>Journal of Proteome Research</i> , 2017, 16, 1773-1783.	1.8	23
36	GC-MS metabolomics-based approach for the identification of a potential VOC biomarker panel in the urine of renal cell carcinoma patients. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 2092-2105.	1.6	64

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37	Diversity and Hierarchy in Supramolecular Assemblies of Triphenylalanine: From Laminated Helical Ribbons to Toroids. <i>Langmuir</i> , 2017, 33, 4036-4048.	1.6	31
38	From the Cover: Metabolism Modulation in Different Organs by Silver Nanoparticles: An NMR Metabolomics Study of a Mouse Model. <i>Toxicological Sciences</i> , 2017, 159, 422-435.	1.4	48
39	Metabonomics in Food Science. , 2017, , 790-796.		0
40	Human plasma metabolomics in age-related macular degeneration (AMD) using nuclear magnetic resonance spectroscopy. <i>PLoS ONE</i> , 2017, 12, e0177749.	1.1	51
41	Metabolomics of silver nanoparticles toxicity in HaCaT cells: structure-activity relationships and role of ionic silver and oxidative stress. <i>Nanotoxicology</i> , 2016, 10, 1105-1117.	1.6	83
42	Fibrinogen scaffolds with immunomodulatory properties promote in vivo bone regeneration. <i>Biomaterials</i> , 2016, 111, 163-178.	5.7	54
43	Nuclear Magnetic Resonance metabolomics reveals an excretory metabolic signature of renal cell carcinoma. <i>Scientific Reports</i> , 2016, 6, 37275.	1.6	36
44	Metabolic profiling of maternal urine can aid clinical management of gestational diabetes mellitus. <i>Metabolomics</i> , 2016, 12, 1.	1.4	9
45	Newborn Urinary Metabolic Signatures of Prematurity and Other Disorders: A Case Control Study. <i>Journal of Proteome Research</i> , 2016, 15, 311-325.	1.8	24
46	Insights into the impact of silver nanoparticles on human keratinocytes metabolism through NMR metabolomics. <i>Archives of Biochemistry and Biophysics</i> , 2016, 589, 53-61.	1.4	49
47	Following Healthy Pregnancy by NMR Metabolomics of Plasma and Correlation to Urine. <i>Journal of Proteome Research</i> , 2015, 14, 1263-1274.	1.8	72
48	Impact of fetal chromosomal disorders on maternal blood metabolome: toward new biomarkers?. <i>American Journal of Obstetrics and Gynecology</i> , 2015, 213, 841.e1-841.e15.	0.7	18
49	Prediction of Gestational Diabetes through NMR Metabolomics of Maternal Blood. <i>Journal of Proteome Research</i> , 2015, 14, 2696-2706.	1.8	70
50	NMR metabolomics of renal cancer: an overview. <i>Bioanalysis</i> , 2015, 7, 2361-2374.	0.6	17
51	NMR metabolomics of human lung tumours reveals distinct metabolic signatures for adenocarcinoma and squamous cell carcinoma. <i>Carcinogenesis</i> , 2015, 36, 68-75.	1.3	75
52	Evaluation of Beer Deterioration by Gas Chromatography-Mass Spectrometry/Multivariate Analysis. , 2014, , 435-440.		0
53	Urinary metabolomic changes as a predictive biomarker of asthma exacerbation. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 133, 261-263.e5.	1.5	63
54	Postprandial response on fatty meal is affected by sea buckthorn ( <i>Hippophaë rhamnoides</i> ) supplementation: NMR metabolomics study. <i>Food Research International</i> , 2014, 58, 23-34.	2.9	6

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55	Different responses of young and expanded lettuce leaves to fungicide Mancozeb: chlorophyll fluorescence, lipid peroxidation, pigments and proline content. <i>Photosynthetica</i> , 2014, 52, 148-151.	0.9	19
56	NMR metabolomics of human blood and urine in disease research. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 93, 17-26.	1.4	94
57	Changes in the metabolome of lettuce leaves due to exposure to mancozeb pesticide. <i>Food Chemistry</i> , 2014, 154, 291-298.	4.2	54
58	Human plasma stability during handling and storage: impact on NMR metabolomics. <i>Analyst</i> , The, 2014, 139, 1168-1177.	1.7	139
59	Metabolic Markers of MG-63 Osteosarcoma Cell Line Response to Doxorubicin and Methotrexate Treatment: Comparison to Cisplatin. <i>Journal of Proteome Research</i> , 2014, 13, 6033-6045.	1.8	33
60	Nuclear Magnetic Resonance Metabolomics of Iron Deficiency in Soybean Leaves. <i>Journal of Proteome Research</i> , 2014, 13, 3075-3087.	1.8	28
61	Tolerance of <i>Venerupis philippinarum</i> to salinity: Osmotic and metabolic aspects. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2014, 171, 36-43.	0.8	73
62	Maternal plasma phospholipids are altered in trisomy 21 cases and prior to preeclampsia and preterm outcomes. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1635-1638.	0.7	14
63	<sup>1</sup> H NMR-based metabolic fingerprinting of urine metabolites after consumption of lingonberries ( <i>Vaccinium vitis-idaea</i> ) with a high-fat meal. <i>Food Chemistry</i> , 2013, 138, 982-990.	4.2	38
64	Metabolic profiling of biofluids: potential in lung cancer screening and diagnosis. <i>Expert Review of Molecular Diagnostics</i> , 2013, 13, 737-748.	1.5	32
65	Potential Markers of Cisplatin Treatment Response Unveiled by NMR Metabolomics of Human Lung Cells. <i>Molecular Pharmaceutics</i> , 2013, 10, 4242-4251.	2.3	39
66	Following Healthy Pregnancy by Nuclear Magnetic Resonance (NMR) Metabolic Profiling of Human Urine. <i>Journal of Proteome Research</i> , 2013, 12, 969-979.	1.8	50
67	Mid-infrared (MIR) metabolic fingerprinting of amniotic fluid: A possible avenue for early diagnosis of prenatal disorders?. <i>Analytica Chimica Acta</i> , 2013, 764, 24-31.	2.6	26
68	Metabolic response of human keratinocytes to silver nanoparticles: A metabolomics study. <i>Toxicology Letters</i> , 2013, 221, S242-S243.	0.4	0
69	Second Trimester Maternal Urine for the Diagnosis of Trisomy 21 and Prediction of Poor Pregnancy Outcomes. <i>Journal of Proteome Research</i> , 2013, 12, 2946-2957.	1.8	68
70	Techniques for analysing wheat proteins. , 2012, , 77-99.		2
71	Swelling and Release Properties of Functional $\hat{\text{I}}^{\text{e}}$ -carrageenan Hydrogel Nanocomposites. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1403, 164.	0.1	3
72	Access to Enantiomerically Pure <i>cis</i> - and <i>trans</i> - $\hat{\text{I}}^{\text{e}}$ -Phenylproline by High-Performance Liquid Chromatography Resolution. <i>Chirality</i> , 2012, 24, 1082-1091.	1.3	8

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73	Can Biofluids Metabolic Profiling Help to Improve Healthcare during Pregnancy?. Spectroscopy, 2012, 27, 515-523.	0.8	10
74	UPLC-MS metabolic profiling of second trimester amniotic fluid and maternal urine and comparison with NMR spectral profiling for the identification of pregnancy disorder biomarkers. Molecular BioSystems, 2012, 8, 1243.	2.9	94
75	Impact of magnetic nanofillers in the swelling and release properties of $\hat{\text{I}}^{\text{a}}$ -carrageenan hydrogel nanocomposites. Carbohydrate Polymers, 2012, 87, 328-335.	5.1	77
76	Metabolic signatures of cancer unveiled by NMR spectroscopy of human biofluids. Progress in Nuclear Magnetic Resonance Spectroscopy, 2012, 62, 51-74.	3.9	54
77	Metabolic Signatures of Lung Cancer in Biofluids: NMR-Based Metabonomics of Urine. Journal of Proteome Research, 2011, 10, 221-230.	1.8	205
78	Metabolic Signatures of Lung Cancer in Biofluids: NMR-Based Metabonomics of Blood Plasma. Journal of Proteome Research, 2011, 10, 4314-4324.	1.8	154
79	Metabolic Biomarkers of Prenatal Disorders: An Exploratory NMR Metabonomics Study of Second Trimester Maternal Urine and Blood Plasma. Journal of Proteome Research, 2011, 10, 3732-3742.	1.8	144
80	Probing beer aging chemistry by nuclear magnetic resonance and multivariate analysis. Analytica Chimica Acta, 2011, 702, 178-187.	2.6	45
81	NMR methods for beer characterization and quality control. Magnetic Resonance in Chemistry, 2011, 49, S37-45.	1.1	31
82	Evaluation of beer deterioration by gas chromatography-mass spectrometry/multivariate analysis: A rapid tool for assessing beer composition. Journal of Chromatography A, 2011, 1218, 990-996.	1.8	37
83	Solid state $^{13}\text{C}$ CP-MAS NMR and FT-IR spectroscopic analysis of cuticular fractions of berries and suberized membranes of potato. Journal of Food Composition and Analysis, 2011, 24, 334-345.	1.9	19
84	Synthesis and swelling behavior of temperature responsive $\hat{\text{I}}^{\text{a}}$ -carrageenan nanogels. Journal of Colloid and Interface Science, 2011, 355, 512-517.	5.0	96
85	NMR metabonomic study of lung cancer: metabolic profiling of urine and blood plasma. BMC Proceedings, 2010, 4, .	1.8	0
86	NMR metabonomic study of lung cancer: metabolic profiling of tissues. BMC Proceedings, 2010, 4, .	1.8	0
87	Can nuclear magnetic resonance (NMR) spectroscopy reveal different metabolic signatures for lung tumours?. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2010, 457, 715-725.	1.4	34
88	Quantification of organic acids in beer by nuclear magnetic resonance (NMR)-based methods. Analytica Chimica Acta, 2010, 674, 166-175.	2.6	50
89	Metabolic responses of A549 lung cells to cisplatin and radiation exposure studied by $^1\text{H}$ NMR spectroscopy. BMC Proceedings, 2010, 4, .	1.8	0
90	NMR metabolomics of esca disease-affected Vitis vinifera cv. Alvarinho leaves. Journal of Experimental Botany, 2010, 61, 4033-4042.	2.4	78

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91	Metabonomics in Food Science. , 2010, , 1513-1520.		1
92	Metabolic Profiling of Human Lung Cancer Tissue by <sup>1</sup> H High Resolution Magic Angle Spinning (HRMAS) NMR Spectroscopy. Journal of Proteome Research, 2010, 9, 319-332.	1.8	136
93	Nuclear Magnetic Resonance (NMR) Study of the Effect of Cisplatin on the Metabolic Profile of MG-63 Osteosarcoma Cells. Journal of Proteome Research, 2010, 9, 5877-5886.	1.8	39
94	Impact of Prenatal Disorders on the Metabolic Profile of Second Trimester Amniotic Fluid: A Nuclear Magnetic Resonance Metabonomic Study. Journal of Proteome Research, 2010, 9, 6016-6024.	1.8	94
95	Complete <sup>1</sup> H resonance assignment of Î <sup>2</sup> -maltose from <sup>1</sup> Hâ€“ <sup>1</sup> H DQ-SQ CRAMPS and <sup>1</sup> H (DQ-DUMBO)â€“ <sup>13</sup> C SQ refocused INEPT 2D solid-state NMR spectra and first principles GIPAW calculations. Physical Chemistry Chemical Physics, 2010, 12, 6970.	1.3	83
96	Identification of metabolites in human hepatic bile using 800 MHz <sup>1</sup> H NMR spectroscopy , HPLC-NMR/MS and UPLC-MS. Molecular BioSystems, 2009, 5, 180-190.	2.9	53
97	Analysis of Non-Aromatic Organic Acids in Beer by CE and Direct Detection Mode with Diode Array Detection. Chromatographia, 2009, 70, 1737-1742.	0.7	11
98	Suberin of Potato (Solanum tuberosum Var. Nikola): Comparison of the Effect of Cutinase CcCut1 with Chemical Depolymerization. Journal of Agricultural and Food Chemistry, 2009, 57, 9016-9027.	2.4	29
99	<sup>1</sup> H NMR Based Metabonomics of Human Amniotic Fluid for the Metabolic Characterization of Fetus Malformations. Journal of Proteome Research, 2009, 8, 4144-4150.	1.8	62
100	Specific Solvation Interactions of CO <sub>2</sub> on Acetate and Trifluoroacetate Imidazolium Based Ionic Liquids at High Pressures. Journal of Physical Chemistry B, 2009, 113, 6803-6812.	1.2	201
101	NMR metabonomics for mammalian cell metabolism studies. Bioanalysis, 2009, 1, 1597-1614.	0.6	13
102	Analytical Approaches toward Successful Human Cell Metabolome Studies by NMR Spectroscopy. Analytical Chemistry, 2009, 81, 5023-5032.	3.2	61
103	Biofunctionalized magnetic hydrogel nanospheres of magnetite and Î <sup>3</sup> -carrageenan. Nanotechnology, 2009, 20, 355602.	1.3	45
104	Rheological behavior of thermoreversible Î <sup>3</sup> -carrageenan/nanosilica gels. Journal of Colloid and Interface Science, 2008, 320, 575-581.	5.0	26
105	Effects of magnetite nanoparticles on the thermorheological properties of carrageenan hydrogels. Journal of Colloid and Interface Science, 2008, 324, 205-211.	5.0	37
106	Characterization of dextrin hydrogels by FTIR spectroscopy and solid state NMR spectroscopy. European Polymer Journal, 2008, 44, 2318-2329.	2.6	37
107	Metabolite Profiling of Human Amniotic Fluid by Hyphenated Nuclear Magnetic Resonance Spectroscopy. Analytical Chemistry, 2008, 80, 6085-6092.	3.2	46
108	Rheological and Nuclear Magnetic Resonance (NMR) Study of the Hydration and Heating of Undeveloped Wheat Doughs. Journal of Agricultural and Food Chemistry, 2007, 55, 5636-5644.	2.4	37



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109	Potential of NMR Spectroscopy for the Study of Human Amniotic Fluid. <i>Analytical Chemistry</i> , 2007, 79, 8367-8375.	3.2	35
110	Metabolic Profiling of Liver from Hypercholesterolemic Pigs Fed Rye or Wheat Fiber and from Normal Pigs. High-Resolution Magic Angle Spinning $^1\text{H}$ NMR Spectroscopic Study. <i>Analytical Chemistry</i> , 2007, 79, 168-175.	3.2	20
111	In Situ Synthesis of Magnetite Nanoparticles in Carrageenan Gels. <i>Biomacromolecules</i> , 2007, 8, 2350-2357.	2.6	107
112	Metabolic characterisation of plasma in juveniles with glycogen storage disease type 1a (GSD1a) by high-resolution $^1\text{H}$ NMR spectroscopy. <i>NMR in Biomedicine</i> , 2007, 20, 401-412.	1.6	34
113	Production and characterization of a new dextrin based hydrogel. <i>European Polymer Journal</i> , 2007, 43, 3050-3059.	2.6	79
114	Synthesis and characterization of porous $\hat{I}^2$ -carrageenan/calcium phosphate nanocomposite scaffolds. <i>Journal of Materials Science</i> , 2007, 42, 8581-8591.	1.7	57
115	Composition of Beer by $^1\text{H}$ NMR Spectroscopy: $\hat{a}\hat{e}\%$ Effects of Brewing Site and Date of Production. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 700-706.	2.4	88
116	Study of natural mango juice spoilage and microbial contamination with <i>Penicillium expansum</i> by high resolution $^1\text{H}$ NMR spectroscopy. <i>Food Chemistry</i> , 2006, 96, 313-324.	4.2	21
117	Polymer Conformation Structure of Wheat Proteins and Gluten Subfractions Revealed by ATR-FTIR. <i>Cereal Chemistry</i> , 2006, 83, 407-410.	1.1	88
118	A solid state NMR study of locust bean gum galactomannan and Konjac glucomannan gels. <i>Carbohydrate Polymers</i> , 2005, 60, 439-448.	5.1	28
119	An Investigation of Weak $\text{CH}\hat{A}\hat{A}\hat{O}$ Hydrogen Bonds in Maltose Anomers by a Combination of Calculation and Experimental Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2005, 127, 10216-10220.	6.6	185
120	New enantiopure 7-azanorbornane $\hat{I}^2$ -substituted prolines by $\text{SN}_2$ displacements at the $\text{C}\hat{I}^3$ of the side chain. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 3115-3123.	1.8	8
121	Improving pulse sequences for 3D DOSY: COSY-IDOSY. <i>Chemical Communications</i> , 2005, , 1737.	2.2	60
122	Characterization of Mango Juice by High-Resolution NMR, Hyphenated NMR, and Diffusion-Ordered Spectroscopy. <i>Spectroscopy Letters</i> , 2005, 38, 319-342.	0.5	29
123	Metabolic Assessment of Human Liver Transplants from Biopsy Samples at the Donor and Recipient Stages Using High-Resolution Magic Angle Spinning $^1\text{H}$ NMR Spectroscopy. <i>Analytical Chemistry</i> , 2005, 77, 5570-5578.	3.2	102
124	A theoretical study of the influence of nitrogen angular constraints on the properties of amides: rotation/inversion barriers and hydrogen bond accepting abilities of N-formylaziridine and -azirine. <i>New Journal of Chemistry</i> , 2005, 29, 1450.	1.4	15
125	Synthesis of enantiopure 7-azanorbornane proline $\hat{I}^2$ -amino acid chimeras by highly efficient HPLC resolution of a phenylalanine analogue. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 811-819.	1.8	21
126	Exploratory applications of diffusion ordered spectroscopy to liquid foods: an aid towards spectral assignment. <i>Analytica Chimica Acta</i> , 2004, 506, 215-223.	2.6	39



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127	High-Resolution NMR and Diffusion-Ordered Spectroscopy of Port Wine. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 3736-3743.	2.4	114
128	Improving Pulse Sequences for 3D Diffusion-Ordered NMR Spectroscopy: $\hat{A}$ 2DJ-IDOSY. <i>Analytical Chemistry</i> , 2004, 76, 5418-5422.	3.2	71
129	Multivariate Analysis of NMR and FTIR Data as a Potential Tool for the Quality Control of Beer. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 1031-1038.	2.4	126
130	Olefination of Methyl (1S,2R,4R)-N-Benzoyl-2-formyl-7-azabicyclo[2.2.1]heptane-1-carboxylate, a Synthetic Approach to New Conformationally Constrained Prolines.. <i>ChemInform</i> , 2003, 34, no.	0.1	0
131	Characterization of the aromatic composition of some liquid foods by nuclear magnetic resonance spectrometry and liquid chromatography with nuclear magnetic resonance and mass spectrometric detection. <i>Analytica Chimica Acta</i> , 2003, 488, 35-51.	2.6	93
132	Stabilisation of the type I $\beta^2$ -turn conformation by a bicyclic analogue of proline. <i>Tetrahedron Letters</i> , 2003, 44, 5999-6002.	0.7	12
133	Olefination of methyl (1S,2R,4R)-N-benzoyl-2-formyl-7-azabicyclo[2.2.1]heptane-1-carboxylate, a synthetic approach to new conformationally constrained prolines. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 1479-1488.	1.8	13
134	Application of NMR Spectroscopy and LC-NMR/MS to the Identification of Carbohydrates in Beer. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 4847-4852.	2.4	63
135	High-Resolution Nuclear Magnetic Resonance Spectroscopy and Multivariate Analysis for the Characterization of Beer. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 2475-2481.	2.4	144
136	Application of FTIR Spectroscopy for the Quantification of Sugars in Mango Juice as a Function of Ripening. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 3104-3111.	2.4	97
137	Study of high molecular weight wheat glutenin subunit 1Dx5 by $^{13}\text{C}$ and $^1\text{H}$ solid-state NMR spectroscopy. I. Role of covalent crosslinking. <i>Biopolymers</i> , 2002, 67, 487-498.	1.2	21
138	Study of wheat high molecular weight 1Dx5 subunit by $^{13}\text{C}$ and $^1\text{H}$ solid-state NMR. II. Roles of nonrepetitive terminal domains and length of repetitive domain. <i>Biopolymers</i> , 2002, 65, 158-168.	1.2	9
139	A fast MAS $^1\text{H}$ NMR study of amino acids and proteins. <i>Journal of Molecular Structure</i> , 2002, 602-603, 357-366.	1.8	5
140	Enzymatic isolation and structural characterisation of polymeric suberin of cork from <i>Quercus suber</i> L.. <i>International Journal of Biological Macromolecules</i> , 2001, 28, 107-119.	3.6	43
141	Synthesis of constrained prolines by Diels-Alder reaction using a chiral unsaturated oxazolone derived from (R)-glyceraldehyde as starting material. <i>Tetrahedron</i> , 2001, 57, 6417-6427.	1.0	26
142	A high resolution $^1\text{H}$ magic angle spinning NMR study of a high-Mr subunit of wheat glutenin. <i>Biopolymers</i> , 2001, 58, 33-45.	1.2	23
143	Variability of cork from Portuguese <i>Quercus suber</i> studied by solid-state $^{13}\text{C}$ -NMR and FTIR spectroscopies. <i>Biopolymers</i> , 2001, 62, 268-277.	1.2	60
144	Quantitation of aliphatic suberin in <i>Quercus suber</i> L. cork by FTIR spectroscopy and solid-state $^{13}\text{C}$ -NMR spectroscopy. <i>Biopolymers</i> , 2000, 57, 344-351.	1.2	50

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145	Spectral editing of <sup>13</sup> C CP/MAS NMR spectra of complex systems: application to the structural characterisation of cork cell walls. <i>Solid State Nuclear Magnetic Resonance</i> , 2000, 16, 109-121.	1.5	23
146	An NMR microscopy study of water absorption in cork. <i>Journal of Materials Science</i> , 2000, 35, 1891-1900.	1.7	17
147	Composition of Suberin Extracted upon Gradual Alkaline Methanolysis of <i>Quercus suber</i> L. <i>Cork. Journal of Agricultural and Food Chemistry</i> , 2000, 48, 383-391.	2.4	82
148	Rheo-NMR of Semidilute Polyacrylamide in Water. <i>Macromolecules</i> , 2000, 33, 4116-4124.	2.2	47
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