

# Ana Gil

## List of Publications by Year in descending order

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182  
papers

7,263  
citations

38742

50  
h-index

71685

76  
g-index

188  
all docs

188  
docs citations

188  
times ranked

9430  
citing authors

#	ARTICLE	IF	CITATIONS
1	IR and Raman spectroscopic studies of the interaction of trehalose with hen egg white lysozyme. <i>Biopolymers</i> , 1994, 34, 957-961.	2.4	225
2	Metabolic Signatures of Lung Cancer in Biofluids: NMR-Based Metabonomics of Urine. <i>Journal of Proteome Research</i> , 2011, 10, 221-230.	3.7	205
3	Specific Solvation Interactions of CO <sub>2</sub> on Acetate and Trifluoroacetate Imidazolium Based Ionic Liquids at High Pressures. <i>Journal of Physical Chemistry B</i> , 2009, 113, 6803-6812.	2.6	201
4	An Investigation of Weak CH <sub>2</sub> -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.	13.7	185
5	Metabolic Signatures of Lung Cancer in Biofluids: NMR-Based Metabonomics of Blood Plasma. <i>Journal of Proteome Research</i> , 2011, 10, 4314-4324.	3.7	154
6	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.	5.2	144
7	Metabolic Biomarkers of Prenatal Disorders: An Exploratory NMR Metabonomics Study of Second Trimester Maternal Urine and Blood Plasma. <i>Journal of Proteome Research</i> , 2011, 10, 3732-3742.	3.7	144
8	Study of the Compositional Changes of Mango during Ripening by Use of Nuclear Magnetic Resonance Spectroscopy. <i>Journal of Agricultural and Food Chemistry</i> , 2000, 48, 1524-1536.	5.2	140
9	Human plasma stability during handling and storage: impact on NMR metabolomics. <i>Analyst</i> , The, 2014, 139, 1168-1177.	3.5	139
10	Metabolic Profiling of Human Lung Cancer Tissue by 1H High Resolution Magic Angle Spinning (HRMAS) NMR Spectroscopy. <i>Journal of Proteome Research</i> , 2010, 9, 319-332.	3.7	136
11	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.	5.2	126
12	High-Resolution NMR and Diffusion-Ordered Spectroscopy of Port Wine. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 3736-3743.	5.2	114
13	In Situ Synthesis of Magnetite Nanoparticles in Carrageenan Gels. <i>Biomacromolecules</i> , 2007, 8, 2350-2357.	5.4	107
14	Metabolic Assessment of Human Liver Transplants from Biopsy Samples at the Donor and Recipient Stages Using High-Resolution Magic Angle Spinning 1H NMR Spectroscopy. <i>Analytical Chemistry</i> , 2005, 77, 5570-5578.	6.5	102
15	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.	5.2	97
16	Synthesis and swelling behavior of temperature responsive $\hat{\rho}$ -carrageenan nanogels. <i>Journal of Colloid and Interface Science</i> , 2011, 355, 512-517.	9.4	96
17	Impact of Prenatal Disorders on the Metabolic Profile of Second Trimester Amniotic Fluid: A Nuclear Magnetic Resonance Metabonomic Study. <i>Journal of Proteome Research</i> , 2010, 9, 6016-6024.	3.7	94
18	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. <i>Molecular BioSystems</i> , 2012, 8, 1243.	2.9	94

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19	NMR metabolomics of human blood and urine in disease research. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 93, 17-26.	2.8	94
20	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.	5.4	93
21	Composition of Beer by <sup>1</sup> H NMR Spectroscopy: Effects of Brewing Site and Date of Production. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 700-706.	5.2	88
22	Polymer Conformation Structure of Wheat Proteins and Gluten Subfractions Revealed by ATR-FTIR. <i>Cereal Chemistry</i> , 2006, 83, 407-410.	2.2	88
23	<sup>13</sup> C solid-state nuclear magnetic resonance and Fourier transform infrared studies of the thermal decomposition of cork. <i>Solid State Nuclear Magnetic Resonance</i> , 1995, 4, 143-151.	2.3	86
24	Complete <sup>1</sup> H resonance assignment of <sup>12</sup> C-maltose from <sup>1</sup> H- <sup>1</sup> H DQ-SQ CRAMPS and <sup>1</sup> H (DQ-DUMBO)- <sup>13</sup> C SQ refocused INEPT 2D solid-state NMR spectra and first principles GIPAW calculations. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 6970.	2.8	83
25	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.	3.0	83
26	Composition of Suberin Extracted upon Gradual Alkaline Methanolysis of <i>Quercus suber</i> L. Cork. <i>Journal of Agricultural and Food Chemistry</i> , 2000, 48, 383-391.	5.2	82
27	Benefits of pulse consumption on metabolism and health: A systematic review of randomized controlled trials. <i>Critical Reviews in Food Science and Nutrition</i> , 2021, 61, 85-96.	10.3	81
28	Production and characterization of a new dextrin based hydrogel. <i>European Polymer Journal</i> , 2007, 43, 3050-3059.	5.4	79
29	NMR metabolomics of esca disease-affected <i>Vitis vinifera</i> cv. Alvarinho leaves. <i>Journal of Experimental Botany</i> , 2010, 61, 4033-4042.	4.8	78
30	Impact of magnetic nanofillers in the swelling and release properties of <sup>12</sup> C-carrageenan hydrogel nanocomposites. <i>Carbohydrate Polymers</i> , 2012, 87, 328-335.	10.2	77
31	NMR metabolomics of human lung tumours reveals distinct metabolic signatures for adenocarcinoma and squamous cell carcinoma. <i>Carcinogenesis</i> , 2015, 36, 68-75.	2.8	75
32	Solid-State Nmr Studies Of Wood And Other Lignocellulosic Materials. <i>Annual Reports on NMR Spectroscopy</i> , 1999, , 75-117.	1.5	73
33	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.	1.8	73
34	Following Healthy Pregnancy by NMR Metabolomics of Plasma and Correlation to Urine. <i>Journal of Proteome Research</i> , 2015, 14, 1263-1274.	3.7	72
35	Improving Pulse Sequences for 3D Diffusion-Ordered NMR Spectroscopy: A 2DJ-IDOSY. <i>Analytical Chemistry</i> , 2004, 76, 5418-5422.	6.5	71
36	A <sup>13</sup> C solid state nuclear magnetic resonance spectroscopic study of cork cell wall structure: the effect of suberin removal. <i>International Journal of Biological Macromolecules</i> , 1997, 20, 293-305.	7.5	70

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37	Prediction of Gestational Diabetes through NMR Metabolomics of Maternal Blood. <i>Journal of Proteome Research</i> , 2015, 14, 2696-2706.	3.7	70
38	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.	3.7	68
39	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.	3.6	64
40	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.	5.2	63
41	Urinary metabolomic changes as a predictive biomarker of asthma exacerbation. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 133, 261-263.e5.	2.9	63
42	<sup>1</sup> H NMR Based Metabonomics of Human Amniotic Fluid for the Metabolic Characterization of Fetus Malformations. <i>Journal of Proteome Research</i> , 2009, 8, 4144-4150.	3.7	62
43	Analytical Approaches toward Successful Human Cell Metabolome Studies by NMR Spectroscopy. <i>Analytical Chemistry</i> , 2009, 81, 5023-5032.	6.5	61
44	Variability of cork from Portuguese <i>Quercus suber</i> studied by solid-state <sup>13</sup> C-NMR and FTIR spectroscopies. <i>Biopolymers</i> , 2001, 62, 268-277.	2.4	60
45	Improving pulse sequences for 3D DOSY: COSY-IDOSY. <i>Chemical Communications</i> , 2005, , 1737.	4.1	60
46	Synthesis and characterization of porous $\kappa$ -carrageenan/calcium phosphate nanocomposite scaffolds. <i>Journal of Materials Science</i> , 2007, 42, 8581-8591.	3.7	57
47	Metabolic signatures of cancer unveiled by NMR spectroscopy of human biofluids. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2012, 62, 51-74.	7.5	54
48	Changes in the metabolome of lettuce leaves due to exposure to mancozeb pesticide. <i>Food Chemistry</i> , 2014, 154, 291-298.	8.2	54
49	Fibrinogen scaffolds with immunomodulatory properties promote <i>in vivo</i> bone regeneration. <i>Biomaterials</i> , 2016, 111, 163-178.	11.4	54
50	Identification of metabolites in human hepatic bile using 800 MHz <sup>1</sup> H NMR spectroscopy, HPLC-NMR/MS and UPLC-MS. <i>Molecular BioSystems</i> , 2009, 5, 180-190.	2.9	53
51	Human plasma metabolomics in age-related macular degeneration (AMD) using nuclear magnetic resonance spectroscopy. <i>PLoS ONE</i> , 2017, 12, e0177749.	2.5	51
52	High-field proton NMR studies of apple juices. <i>Magnetic Resonance in Chemistry</i> , 1997, 35, S52-S60.	1.9	50
53	Quantitation of aliphatic suberin in <i>Quercus suber</i> L. cork by FTIR spectroscopy and solid-state <sup>13</sup> C-NMR spectroscopy. <i>Biopolymers</i> , 2000, 57, 344-351.	2.4	50
54	Quantification of organic acids in beer by nuclear magnetic resonance (NMR)-based methods. <i>Analytica Chimica Acta</i> , 2010, 674, 166-175.	5.4	50

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55	Following Healthy Pregnancy by Nuclear Magnetic Resonance (NMR) Metabolic Profiling of Human Urine. <i>Journal of Proteome Research</i> , 2013, 12, 969-979.	3.7	50
56	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.	3.0	49
57	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.	3.1	48
58	Rheo-NMR of Semidilute Polyacrylamide in Water. <i>Macromolecules</i> , 2000, 33, 4116-4124.	4.8	47
59	Metabolite Profiling of Human Amniotic Fluid by Hyphenated Nuclear Magnetic Resonance Spectroscopy. <i>Analytical Chemistry</i> , 2008, 80, 6085-6092.	6.5	46
60	Biofunctionalized magnetic hydrogel nanospheres of magnetite and $\bar{\rho}$ -carrageenan. <i>Nanotechnology</i> , 2009, 20, 355602.	2.6	45
61	Probing beer aging chemistry by nuclear magnetic resonance and multivariate analysis. <i>Analytica Chimica Acta</i> , 2011, 702, 178-187.	5.4	45
62	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.	7.5	43
63	Metabolic Aspects of Palladium(II) Potential Anti-Cancer Drugs. <i>Frontiers in Oncology</i> , 2020, 10, 590970.	2.8	41
64	Proton and carbon NMR measurements of the effects of hydration on the wheat protein $\bar{\rho}$ -gliadin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1998, 54, 955-966.	3.9	40
65	Exploratory applications of diffusion ordered spectroscopy to liquid foods: an aid towards spectral assignment. <i>Analytica Chimica Acta</i> , 2004, 506, 215-223.	5.4	39
66	Nuclear Magnetic Resonance (NMR) Study of the Effect of Cisplatin on the Metabolic Profile of MG-63 Osteosarcoma Cells. <i>Journal of Proteome Research</i> , 2010, 9, 5877-5886.	3.7	39
67	Potential Markers of Cisplatin Treatment Response Unveiled by NMR Metabolomics of Human Lung Cells. <i>Molecular Pharmaceutics</i> , 2013, 10, 4242-4251.	4.6	39
68	Delocalized TCNQ Stacks in Nickel and Copper Tetraazamacrocyclic Systems. <i>Inorganic Chemistry</i> , 2000, 39, 2837-2842.	4.0	38
69	$^1\text{H}$ 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.	8.2	38
70	Polymorphism in $[\text{Cu}(\text{cyclam})(\text{TCNQ})_2](\text{TCNQ})$ Stacked Systems (cyclam =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (1,4,8,11-Tetraazacyclododecane). <i>Inorganic Chemistry</i> , 1997, 36, 5291-5298.	4.0	37
71	Rheological and Nuclear Magnetic Resonance (NMR) Study of the Hydration and Heating of Undeveloped Wheat Doughs. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 5636-5644.	5.2	37
72	Effects of magnetite nanoparticles on the thermorheological properties of carrageenan hydrogels. <i>Journal of Colloid and Interface Science</i> , 2008, 324, 205-211.	9.4	37

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73	Characterization of dextrin hydrogels by FTIR spectroscopy and solid state NMR spectroscopy. <i>European Polymer Journal</i> , 2008, 44, 2318-2329.	5.4	37
74	Evaluation of beer deterioration by gas chromatography-mass spectrometry/multivariate analysis: A rapid tool for assessing beer composition. <i>Journal of Chromatography A</i> , 2011, 1218, 990-996.	3.7	37
75	Spectroscopic studies of solid $\alpha$ -D-trehalose. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1996, 52, 1649-1659.	3.9	36
76	Nuclear Magnetic Resonance metabolomics reveals an excretory metabolic signature of renal cell carcinoma. <i>Scientific Reports</i> , 2016, 6, 37275.	3.3	36
77	Potential of NMR Spectroscopy for the Study of Human Amniotic Fluid. <i>Analytical Chemistry</i> , 2007, 79, 8367-8375.	6.5	35
78	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.	2.8	34
79	Can nuclear magnetic resonance (NMR) spectroscopy reveal different metabolic signatures for lung tumours?. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2010, 457, 715-725.	2.8	34
80	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.	3.7	33
81	Saliva NMR metabolomics: Analytical issues in pediatric oral health research. <i>Oral Diseases</i> , 2019, 25, 1545-1554.	3.0	33
82	Metabolic profiling of biofluids: potential in lung cancer screening and diagnosis. <i>Expert Review of Molecular Diagnostics</i> , 2013, 13, 737-748.	3.1	32
83	NMR methods for beer characterization and quality control. <i>Magnetic Resonance in Chemistry</i> , 2011, 49, S37-45.	1.9	31
84	Diversity and Hierarchy in Supramolecular Assemblies of Triphenylalanine: From Laminated Helical Ribbons to Toroids. <i>Langmuir</i> , 2017, 33, 4036-4048.	3.5	31
85	Characterization of Mango Juice by High-Resolution NMR, Hyphenated NMR, and Diffusion-Ordered Spectroscopy. <i>Spectroscopy Letters</i> , 2005, 38, 319-342.	1.0	29
86	Suberin of Potato ( <i>Solanum tuberosum</i> Var. Nikola): Comparison of the Effect of Cutinase CcCut1 with Chemical Depolymerization. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 9016-9027.	5.2	29
87	A solid state NMR study of locust bean gum galactomannan and Konjac glucomannan gels. <i>Carbohydrate Polymers</i> , 2005, 60, 439-448.	10.2	28
88	Nuclear Magnetic Resonance Metabolomics of Iron Deficiency in Soybean Leaves. <i>Journal of Proteome Research</i> , 2014, 13, 3075-3087.	3.7	28
89	Magic angle spinning NMR study of the hydration of the wheat seed storage protein omega-gliadins. <i>Magnetic Resonance in Chemistry</i> , 1997, 35, S101-S111.	1.9	27
90	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.	1.9	26

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91	Rheological behavior of thermoreversible $\hat{\text{I}}^{\text{e}}$ -carrageenan/nanosilica gels. <i>Journal of Colloid and Interface Science</i> , 2008, 320, 575-581.	9.4	26
92	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.	5.4	26
93	Newborn Urinary Metabolic Signatures of Prematurity and Other Disorders: A Case Control Study. <i>Journal of Proteome Research</i> , 2016, 15, 311-325.	3.7	24
94	Spectral editing of $^{13}\text{C}$ 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.	2.3	23
95	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.	2.4	23
96	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.	3.7	23
97	The effect of Magic Angle Spinning on proton spin lattice relaxation times in some organic solids. <i>Solid State Nuclear Magnetic Resonance</i> , 1998, 11, 203-209.	2.3	22
98	$^1\text{H}$ NMR spectroscopy of polymers under shear and extensional flow. <i>Rheologica Acta</i> , 1999, 38, 528-536.	2.4	22
99	Biofluid Metabolomics in Preterm Birth Research. <i>Reproductive Sciences</i> , 2018, 25, 967-977.	2.5	22
100	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.	2.4	21
101	Synthesis of enantiopure 7-azanorbornane proline $\hat{\text{I}}^{\text{e}}$ -amino acid chimeras by highly efficient HPLC resolution of a phenylalanine analogue. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 811-819.	1.8	21
102	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.	8.2	21
103	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.	3.7	21
104	Applications of NMR to Food to Food Science. <i>Annual Reports on NMR Spectroscopy</i> , 1996, 32, 1-49.	1.5	20
105	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.	6.5	20
106	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.	3.7	20
107	Evaluation of Saliva Stability for NMR Metabolomics: Collection and Handling Protocols. <i>Metabolites</i> , 2020, 10, 515.	2.9	20
108	$^1\text{H}$ NMR relaxation time studies of the hydration of the barley protein C-hordein. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1994, 90, 1099.	1.7	19

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109	A13C-NMR study on the conformational and dynamical properties of a cereal seed storage protein, C-hordein, and its model peptides. <i>Biopolymers</i> , 1997, 41, 289-300.	2.4	19
110	Solid state 13C CP-MAS NMR and FT-IR spectroscopic analysis of cuticular fractions of berries and suberized membranes of potato. <i>Journal of Food Composition and Analysis</i> , 2011, 24, 334-345.	3.9	19
111	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.	1.7	19
112	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.	1.3	18
113	Very high-resolution MAS NMR of a natural polymeric material. <i>Solid State Nuclear Magnetic Resonance</i> , 1999, 15, 59-67.	2.3	17
114	An NMR microscopy study of water absorption in cork. <i>Journal of Materials Science</i> , 2000, 35, 1891-1900.	3.7	17
115	NMR metabolomics of renal cancer: an overview. <i>Bioanalysis</i> , 2015, 7, 2361-2374.	1.5	17
116	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.	2.8	15
117	Urine Nuclear Magnetic Resonance (NMR) Metabolomics in Age-Related Macular Degeneration. <i>Journal of Proteome Research</i> , 2019, 18, 1278-1288.	3.7	15
118	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.	1.5	14
119	A community-built calibration system: The case study of quantification of metabolites in grape juice by qNMR spectroscopy. <i>Talanta</i> , 2020, 214, 120855.	5.5	14
120	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
121	NMR metabolomics for mammalian cell metabolism studies. <i>Bioanalysis</i> , 2009, 1, 1597-1614.	1.5	13
122	Multi-Organ NMR Metabolomics to Assess In Vivo Overall Metabolic Impact of Cisplatin in Mice. <i>Metabolites</i> , 2019, 9, 279.	2.9	13
123	Proton nuclear magnetic resonance lineshapes and transverse relaxation in a hydrated barley protein. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1993, 89, 4203.	1.7	12
124	Stabilisation of the type I $\beta$ -turn conformation by a bicyclic analogue of proline. <i>Tetrahedron Letters</i> , 2003, 44, 5999-6002.	1.4	12
125	Assessing Exposome Effects on Pregnancy through Urine Metabolomics of a Portuguese (Estarreja) Cohort. <i>Journal of Proteome Research</i> , 2018, 17, 1278-1289.	3.7	12
126	Analysis of Non-Aromatic Organic Acids in Beer by CE and Direct Detection Mode with Diode Array Detection. <i>Chromatographia</i> , 2009, 70, 1737-1742.	1.3	11



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127	Heterochirality Restricts the Self-Assembly of Phenylalanine Dipeptides Capped with Highly Aromatic Groups. <i>Journal of Physical Chemistry B</i> , 2020, 124, 5913-5918.	2.6	11
128	The photochemical reaction between uranyl nitrate and azulene. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1992, 68, 279-287.	3.9	10
129	Can Biofluids Metabolic Profiling Help to Improve Healthcare during Pregnancy?. <i>Spectroscopy</i> , 2012, 27, 515-523.	0.8	10
130	Amyloid-like Fibrils from a Diphenylalanine Capped with an Aromatic Fluorenyl. <i>Langmuir</i> , 2018, 34, 15551-15559.	3.5	10
131	Metabolomic studies of breast cancer in murine models: A review. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165713.	3.8	10
132	Cytotoxicity of Platinum and Palladium Chelates against Osteosarcoma. <i>ChemistrySelect</i> , 2020, 5, 5993-6000.	1.5	10
133	Study of wheat high molecular weight 1Dx5 subunit by <sup>13</sup> C and <sup>1</sup> H solid-state NMR. II. Roles of nonrepetitive terminal domains and length of repetitive domain. <i>Biopolymers</i> , 2002, 65, 158-168.	2.4	9
134	Metabolic profiling of maternal urine can aid clinical management of gestational diabetes mellitus. <i>Metabolomics</i> , 2016, 12, 1.	3.0	9
135	Metabolomic Applications in Stem Cell Research: a Review. <i>Stem Cell Reviews and Reports</i> , 2021, 17, 2003-2024.	3.8	9
136	Factors affecting the line widths and signal-to-noise ratios of the <sup>13</sup> C CP/MAS spectra of proteins. <i>Magnetic Resonance in Chemistry</i> , 1993, 31, 1001-1007.	1.9	8
137	New enantiopure 7-azanorbornane $\hat{1}^2$ -substituted prolines by SN2 displacements at the C $\hat{1}^3$ of the side chain. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 3115-3123.	1.8	8
138	Access to Enantiomerically Pure <i>cis</i> - and <i>trans</i> - $\hat{1}^2$ -Phenylproline by High-Performance Liquid Chromatography Resolution. <i>Chirality</i> , 2012, 24, 1082-1091.	2.6	8
139	Novel Insights into Mice Multi-Organ Metabolism upon Exposure to a Potential Anticancer Pd(II)-Agent. <i>Metabolites</i> , 2021, 11, 114.	2.9	8
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