

Myriam Malet-Martino

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

77 papers	2,785 citations	32 h-index	51 g-index
78 ext. papers	3,108 ext. citations	4.4 avg, IF	4.99 L-index

#	Paper	IF	Citations
77	Clinical studies of three oral prodrugs of 5-fluorouracil (capecitabine, UFT, S-1): a review. <i>Oncologist</i> , 2002 , 7, 288-323	5.7	294
76	Mitochondrial oxidative stress is the Achilles heel of melanoma cells resistant to Braf-mutant inhibitor. <i>Oncotarget</i> , 2013 , 4, 1986-98	3.3	110
75	NMR techniques in biomedical and pharmaceutical analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011 , 55, 1-15	3.5	104
74	Inactivation of the HIF-1/PDK3 signaling axis drives melanoma toward mitochondrial oxidative metabolism and potentiates the therapeutic activity of pro-oxidants. <i>Cancer Research</i> , 2012 , 72, 5035-47 ^{10.1}		99
73	The prodrugs of 5-fluorouracil. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2002 , 2, 267-310		85
72	2D and 3D DOSY 1H NMR, a useful tool for analysis of complex mixtures: application to herbal drugs or dietary supplements for erectile dysfunction. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2009 , 50, 602-12	3.5	83
71	Fluorine-19 or phosphorus-31 NMR spectroscopy: a suitable analytical technique for quantitative in vitro metabolic studies of fluorinated or phosphorylated drugs. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005 , 38, 871-91	3.5	82
70	Combining two-dimensional diffusion-ordered nuclear magnetic resonance spectroscopy, imaging desorption electrospray ionization mass spectrometry, and direct analysis in real-time mass spectrometry for the integral investigation of counterfeit pharmaceuticals. <i>Analytical Chemistry</i> , 2009 , 81, 4803-12	7.8	81
69	Counterfeit drugs: analytical techniques for their identification. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 398, 77-92	4.4	81
68	Analysis of illegally manufactured formulations of tadalafil (Cialis) by 1H NMR, 2D DOSY 1H NMR and Raman spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008 , 47, 103-13	3.5	76
67	Detection, identification and quantification by 1H NMR of adulterants in 150 herbal dietary supplements marketed for improving sexual performance. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015 , 102, 476-93	3.5	73
66	Analytical challenges in drug counterfeiting and falsification-The NMR approach. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011 , 55, 679-87	3.5	70
65	Analysis of adulterated herbal medicines and dietary supplements marketed for weight loss by DOSY 1H-NMR. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2010 , 27, 903-16	3.2	68
64	Metabolism of capecitabine, an oral fluorouracil prodrug: (19)F NMR studies in animal models and human urine. <i>Drug Metabolism and Disposition</i> , 2002 , 30, 1221-9	4	67
63	7-((4-Substituted)piperazin-1-yl) derivatives of ciprofloxacin: synthesis and in vitro biological evaluation as potential antitumor agents. <i>Bioorganic and Medicinal Chemistry</i> , 2009 , 17, 5396-407	3.4	65
62	The anti-cancer drug 5-fluorouracil is metabolized by the isolated perfused rat liver and in rats into highly toxic fluoroacetate. <i>British Journal of Cancer</i> , 1998 , 77, 79-86	8.7	64
61	Improving metabolite knowledge in stable atherosclerosis patients by association and correlation of GC-MS and 1H NMR fingerprints. <i>Journal of Proteome Research</i> , 2009 , 8, 5580-9	5.6	63

60	Pulsed-field gradient nuclear magnetic resonance measurements (PFG NMR) for diffusion ordered spectroscopy (DOSY) mapping. <i>Analyst, The</i> , 2017 , 142, 3771-3796	5	62
59	Characterization of choline compounds with in vitro ¹ H magnetic resonance spectroscopy for the discrimination of primary brain tumors. <i>Investigative Radiology</i> , 1999 , 34, 230-5	10.1	49
58	¹ H NMR metabolomic signatures in five brain regions of the APPswe Tg2576 mouse model of Alzheimer's disease at four ages. <i>Journal of Alzheimer's Disease</i> , 2014 , 39, 121-43	4.3	48
57	Fluorine nuclear magnetic resonance spectroscopy of human biofluids in the field of metabolic studies of anticancer and antifungal fluoropyrimidine drugs. <i>Clinica Chimica Acta</i> , 2006 , 366, 61-73	6.2	44
56	Analysis of herbal dietary supplements for sexual performance enhancement: first characterization of propoxyphenyl-thiohydroxyhomosildenafil and identification of sildenafil, thiosildenafil, phenolamine and tetrahydropalmatine as adulterants. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012 , 63, 135-50	3.5	43
55	Proton NMR for detection, identification and quantification of adulterants in 160 herbal food supplements marketed for weight loss. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 124, 34-47	3.5	42
54	Two-dimensional DOSY experiment with Excitation Sculpting water suppression for the analysis of natural and biological media. <i>Journal of Magnetic Resonance</i> , 2009 , 196, 78-83	3	41
53	Fluorine nuclear magnetic resonance, a privileged tool for metabolic studies of fluoropyrimidine drugs. <i>Current Drug Metabolism</i> , 2000 , 1, 271-303	3.5	41
52	Glucose metabolism and NRF2 coordinate the antioxidant response in melanoma resistant to MAPK inhibitors. <i>Cell Death and Disease</i> , 2018 , 9, 325	9.8	39
51	Evaluation of a benchtop cryogen-free low-field ¹ H NMR spectrometer for the analysis of sexual enhancement and weight loss dietary supplements adulterated with pharmaceutical substances. <i>Analytical Chemistry</i> , 2014 , 86, 11897-904	7.8	39
50	Exploiting mitochondrial dysfunction for effective elimination of imatinib-resistant leukemic cells. <i>PLoS ONE</i> , 2011 , 6, e21924	3.7	39
49	Synthesis of lipophilic dimeric C-7/C-7-linked ciprofloxacin and C-6/C-6-linked levofloxacin derivatives. Versatile in vitro biological evaluations of monomeric and dimeric fluoroquinolone derivatives as potential antitumor, antibacterial or antimycobacterial agents. <i>European Journal of Medicinal Chemistry</i> , 2011 , 46, 6025-33	6.8	39
48	A review of synthetic phosphodiesterase type 5 inhibitors (PDE-5i) found as adulterants in dietary supplements. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 147, 250-277	3.5	38
47	Identification of a novel sildenafil analogue in an adulterated herbal supplement. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012 , 59, 58-66	3.5	35
46	The usefulness of 2D DOSY and 3D DOSY-COSY ¹ H NMR for mixture analysis: application to genuine and fake formulations of sildenafil (Viagra). <i>Magnetic Resonance in Chemistry</i> , 2009 , 47 Suppl 1, S163-73	2.1	32
45	Quality assessment of fluoxetine and fluvoxamine pharmaceutical formulations purchased in different countries or via the Internet by ¹⁹ F and 2D DOSY ¹ H NMR. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008 , 46, 707-22	3.5	32
44	Quality assessment of commercial <i>Magnoliae officinalis</i> Cortex by ¹ H-NMR-based metabolomics and HPLC methods. <i>Phytochemical Analysis</i> , 2012 , 23, 387-95	3.4	30
43	Delivery systems for the treatment of proliferative vitreoretinopathy: materials, devices and colloidal carriers. <i>Current Drug Delivery</i> , 2008 , 5, 7-19	3.2	28

42	Interaction mechanisms between caffeine and polyphenols in infusions of <i>Camellia sinensis</i> leaves. <i>Food Chemistry</i> , 2010 , 119, 173-181	8.5	27
41	Screening of "spice" herbal mixtures: From high-field to low-field proton NMR. <i>Forensic Science International</i> , 2017 , 279, 88-95	2.6	26
40	In vivo ³¹ P and ¹ H HR-MAS NMR spectroscopy analysis of the unstarved <i>Aporrectodea caliginosa</i> (Lumbricidae). <i>Biology and Fertility of Soils</i> , 2006 , 43, 191-198	6.1	26
39	Identification of altered brain metabolites associated with TNAP activity in a mouse model of hypophosphatasia using untargeted NMR-based metabolomics analysis. <i>Journal of Neurochemistry</i> , 2017 , 140, 919-940	6	23
38	Characterization of heroin samples by ¹ H NMR and 2D DOSY ¹ H NMR. <i>Forensic Science International</i> , 2014 , 234, 29-38	2.6	23
37	Novel lipophilic 7H-pyrido[1,2,3-de]-1,4-benzoxazine-6-carboxylic acid derivatives as potential antitumor agents: improved synthesis and in vitro evaluation. <i>Bioorganic and Medicinal Chemistry</i> , 2010 , 18, 8537-48	3.4	23
36	Quality Control of Herbal Medicines Assessed by NMR. <i>Current Pharmaceutical Analysis</i> , 2010 , 6, 234-245	0.6	22
35	Generic ciprofloxacin tablets contain the stated amount of drug and different impurity profiles: A ¹⁹ F, ¹ H and DOSY NMR analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007 , 44, 743-54	3.5	22
34	Diffusion-ordered spectroscopy on a benchtop spectrometer for drug analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 160, 268-275	3.5	21
33	pH optimization for a reliable quantification of brain tumor cell and tissue extracts with (¹ H) NMR: focus on choline-containing compounds and taurine. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 399, 987-99	4.4	21
32	Metabolomic study of plasma of patients with abdominal aortic aneurysm. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 403, 1651-60	4.4	18
31	NMR-Based Metabolomics of the Lipid Fraction of Organic and Conventional Bovine Milk. <i>Molecules</i> , 2019 , 24,	4.8	16
30	5-Ethynyluracil (GW776): effects on the formation of the toxic catabolites of 5-fluorouracil, fluoroacetate and fluorohydroxypropionic acid in the isolated perfused rat liver model. <i>British Journal of Cancer</i> , 1997 , 76, 1170-80	8.7	16
29	Benchtop low-field ¹ H Nuclear Magnetic Resonance for detecting falsified medicines. <i>Talanta</i> , 2019 , 196, 163-173	6.2	16
28	Hydrolytic pathway of 5-fluorouracil in aqueous solutions for clinical use. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014 , 98, 446-62	3.5	15
27	First identification and quantification of lorcaserin in an herbal slimming dietary supplement. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014 , 98, 94-9	3.5	15
26	Pulsed Field Gradient NMR with Sigmoid Shape Gradient Sampling To Produce More Detailed Diffusion Ordered Spectroscopy Maps of Real Complex Mixtures: Examples with Medicine Analysis. <i>Analytical Chemistry</i> , 2016 , 88, 3304-9	7.8	14
25	Analysis of hydrophilic and lipophilic choline compounds in radioresistant and radiosensitive glioblastoma cell lines by HILIC-ESI-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 398, 2723-30	4.4	14

24	Interest of fluorine-19 nuclear magnetic resonance spectroscopy in the detection, identification and quantification of metabolites of anticancer and antifungal fluoropyrimidine drugs in human biofluids. <i>Chemotherapy</i> , 2006 , 52, 215-9	3.2	14
23	Fluorouracil prodrugs for the treatment of proliferative vitreoretinopathy: formulation in silicone oil and in vitro release of fluorouracil. <i>International Journal of Pharmaceutics</i> , 2003 , 259, 181-92	6.5	14
22	Urinary metabolomic signature of muscle-invasive bladder cancer: A multiplatform approach. <i>Talanta</i> , 2019 , 202, 572-579	6.2	11
21	A toolbox to explore NMR metabolomic data sets using the R environment. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2013 , 126, 50-59	3.8	11
20	DOSY NMR for Drug Analysis 2008 , 269-289		11
19	Chemometric Analysis of Low-field H NMR Spectra for Unveiling Adulteration of Slimming Dietary Supplements by Pharmaceutical Compounds. <i>Molecules</i> , 2020 , 25,	4.8	9
18	¹ H NMR Analysis of Cerebrospinal Fluid from Alzheimer's Disease Patients: An Example of a Possible Misinterpretation Due to Non-Adjustment of pH. <i>Metabolites</i> , 2014 , 4, 115-28	5.6	9
17	Efficient approach to acyloxymethyl esters of nalidixic acid and in vitro evaluation as intra-ocular prodrugs. <i>Bioorganic and Medicinal Chemistry</i> , 2006 , 14, 2569-80	3.4	9
16	Metabolic rewiring in cancer cells overexpressing the glucocorticoid-induced leucine zipper protein (GILZ): Activation of mitochondrial oxidative phosphorylation and sensitization to oxidative cell death induced by mitochondrial targeted drugs. <i>International Journal of Biochemistry and Cell Biology</i> , 2017 , 85, 166-174	5.6	7
15	Green microparticles based on a chitosan/lactobionic acid/linoleic acid association. Characterisation and evaluation as a new carrier system for cosmetics. <i>Journal of Microencapsulation</i> , 2017 , 34, 162-170	3.4	7
14	Cardiotoxicity and neurotoxicity of high-dose continuous fluorouracil as a result of degradation compounds in the drug vials. <i>Journal of Clinical Oncology</i> , 2004 , 22, 5022-5	2.2	7
13	A revisited structure for nitrosoprodenafil from NMR, mass spectrometry, X-ray and hydrolysis data. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 135, 31-49	3.5	5
12	Comparative Chemical Profiling and Monacolins Quantification in Red Yeast Rice Dietary Supplements by H-NMR and UHPLC-DAD-MS. <i>Molecules</i> , 2020 , 25,	4.8	5
11	Role of Medicines of Unknown Identity in Adverse Drug Reaction-Related Hospitalizations in Developing Countries: Evidence from a Cross-Sectional Study in a Teaching Hospital in the Lao People's Democratic Republic. <i>Drug Safety</i> , 2017 , 40, 809-821	5.1	4
10	Etude critique de l'utilisation de la RMN HR-MAS pour l'analyse des tissus biologiques. <i>Comptes Rendus Chimie</i> , 2008 , 11, 423-433	2.7	4
9	Usefulness of in vitro ¹ H magnetic resonance spectroscopy for the characterization of primary brain tumors: report of two cases. <i>Stereotactic and Functional Neurosurgery</i> , 2005 , 83, 122-6; discussion 126-7	1.6	3
8	Enzymatic hydrolysis of rapeseed oil with a non-GMO lipase: A strategy to substitute mono- and diglycerides of fatty acids and improve the softness of sponge cakes. <i>LWT - Food Science and Technology</i> , 2021 , 137, 110405	5.4	3
7	Evaluation of low-field versus high-field proton NMR spectroscopy for quality control of cinnamon samples. <i>Journal of Food Composition and Analysis</i> , 2021 , 96, 103706	4.1	2

6	Synthetic cannabinoids in e-liquids: A proton and fluorine NMR analysis from a conventional spectrometer to a compact one. <i>Forensic Science International</i> , 2021 , 324, 110813	2.6	2
5	Normalization and scaling effects on ^1H NMR spectra in a metabolomics analysis of leukemic cells 2015 , 140-153		1
4	Isolation and identification of ten new sildenafil derivatives in an alleged herbal supplement for sexual enhancement. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020 , 191, 113482	3.5	0
3	Analysis of Counterfeit Medicines and Adulterated Dietary Supplements by NMR 2015 , 159-170		
2	Nutritional Supplements 2012 , 539-573		
1	Fluorine-19 or Phosphorus-31 NMR Spectroscopy 2008 , 369-406		