

Iola F Duarte

List of Publications by Citations

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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.

93
papers

3,380
citations

35
h-index

56
g-index

105
ext. papers

3,894
ext. citations

5.7
avg, IF

5.15
L-index

#	Paper	IF	Citations
93	Metabolic signatures of lung cancer in biofluids: NMR-based metabonomics of urine. <i>Journal of Proteome Research</i> , 2011 , 10, 221-30	5.6	178
92	High-resolution nuclear magnetic resonance spectroscopy and multivariate analysis for the characterization of beer. <i>Journal of Agricultural and Food Chemistry</i> , 2002 , 50, 2475-81	5.7	136
91	Metabolic signatures of lung cancer in biofluids: NMR-based metabonomics of blood plasma. <i>Journal of Proteome Research</i> , 2011 , 10, 4314-24	5.6	133
90	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, 3732-42	5.6	125
89	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, 319-32	5.6	123
88	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, 1524-36	5.7	122
87	Biocellulose membranes as supports for dermal release of lidocaine. <i>Biomacromolecules</i> , 2011 , 12, 4162-8	6.9	110
86	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, 1031-8	5.7	107
85	High-resolution NMR and diffusion-ordered spectroscopy of port wine. <i>Journal of Agricultural and Food Chemistry</i> , 2004 , 52, 3736-43	5.7	101
84	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, 5570-8	7.8	94
83	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, 3104-11	5.7	84
82	NMR metabolomics of human blood and urine in disease research. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014 , 93, 17-26	3.5	82
81	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	6.6	82
80	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, 1243-54		78
79	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, 6016-24	5.6	77
78	Composition of beer by 1H NMR spectroscopy: effects of brewing site and date of production. <i>Journal of Agricultural and Food Chemistry</i> , 2006 , 54, 700-6	5.7	77
77	Exploring the human urine metabolomic potentialities by comprehensive two-dimensional gas chromatography coupled to time of flight mass spectrometry. <i>Journal of Chromatography A</i> , 2012 , 1252, 155-63	4.5	67

76	Metabolic crosstalk in the breast cancer microenvironment. <i>European Journal of Cancer</i> , 2019 , 121, 154-174	17.4	63
75	Second trimester maternal urine for the diagnosis of trisomy 21 and prediction of poor pregnancy outcomes. <i>Journal of Proteome Research</i> , 2013 , 12, 2946-57	5.6	61
74	NMR metabolomics of human lung tumours reveals distinct metabolic signatures for adenocarcinoma and squamous cell carcinoma. <i>Carcinogenesis</i> , 2015 , 36, 68-75	4.6	60
73	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, 4847-52	5.7	57
72	(1)H NMR based metabonomics of human amniotic fluid for the metabolic characterization of fetus malformations. <i>Journal of Proteome Research</i> , 2009 , 8, 4144-50	5.6	55
71	Identification of metabolites in human hepatic bile using 800 MHz 1H NMR spectroscopy, HPLC-NMR/MS and UPLC-MS. <i>Molecular BioSystems</i> , 2009 , 5, 180-90		52
70	Analytical approaches toward successful human cell metabolome studies by NMR spectroscopy. <i>Analytical Chemistry</i> , 2009 , 81, 5023-32	7.8	52
69	Sorghum fermentation followed by spectroscopic techniques. <i>Food Chemistry</i> , 2005 , 90, 853-859	8.5	51
68	Targeting Tumor Metabolism with Plant-Derived Natural Products: Emerging Trends in Cancer Therapy. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 10663-10685	5.7	51
67	The influence of Citrate or PEG coating on silver nanoparticle toxicity to a human keratinocyte cell line. <i>Toxicology Letters</i> , 2016 , 249, 29-41	4.4	50
66	Metabolomics of silver nanoparticles toxicity in HaCaT cells: structure-activity relationships and role of ionic silver and oxidative stress. <i>Nanotoxicology</i> , 2016 , 10, 1105-17	5.3	49
65	Metabolic signatures of cancer unveiled by NMR spectroscopy of human biofluids. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2012 , 62, 51-74	10.4	48
64	Urinary metabolomic changes as a predictive biomarker of asthma exacerbation. <i>Journal of Allergy and Clinical Immunology</i> , 2014 , 133, 261-3.e1-5	11.5	46
63	Metabolite profiling of human amniotic fluid by hyphenated nuclear magnetic resonance spectroscopy. <i>Analytical Chemistry</i> , 2008 , 80, 6085-92	7.8	44
62	Following healthy pregnancy by nuclear magnetic resonance (NMR) metabolic profiling of human urine. <i>Journal of Proteome Research</i> , 2013 , 12, 969-79	5.6	42
61	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	4.1	38
60	Exploratory applications of diffusion ordered spectroscopy to liquid foods: an aid towards spectral assignment. <i>Analytica Chimica Acta</i> , 2004 , 506, 215-223	6.6	36
59	Changes in the metabolome of lettuce leaves due to exposure to mancozeb pesticide. <i>Food Chemistry</i> , 2014 , 154, 291-8	8.5	35

58	Potential markers of cisplatin treatment response unveiled by NMR metabolomics of human lung cells. <i>Molecular Pharmaceutics</i> , 2013 , 10, 4242-51	5.6	32
57	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, 5877-86	5.6	32
56	Potential of NMR spectroscopy for the study of human amniotic fluid. <i>Analytical Chemistry</i> , 2007 , 79, 8367-75	7.8	32
55	Following dynamic biological processes through NMR-based metabonomics: a new tool in nanomedicine?. <i>Journal of Controlled Release</i> , 2011 , 153, 34-9	11.7	31
54	Metabolic Reprogramming of Macrophages Exposed to Silk, Poly(lactic-co-glycolic acid), and Silica Nanoparticles. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1601240	10.1	30
53	Metabolic characterisation of plasma in juveniles with glycogen storage disease type 1a (GSD1a) by high-resolution (1)H NMR spectroscopy. <i>NMR in Biomedicine</i> , 2007 , 20, 401-12	4.4	30
52	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, 6033-45	5.6	29
51	Metabolic profiling of biofluids: potential in lung cancer screening and diagnosis. <i>Expert Review of Molecular Diagnostics</i> , 2013 , 13, 737-48	3.8	27
50	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	4.4	27
49	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, 715-25	5.1	27
48	Characterization of Mango Juice by High-Resolution NMR, Hyphenated NMR, and Diffusion-Ordered Spectroscopy. <i>Spectroscopy Letters</i> , 2005 , 38, 319-342	1.1	27
47	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	6.6	22
46	Genotoxicity of citrate-coated silver nanoparticles to human keratinocytes assessed by the comet assay and cytokinesis blocked micronucleus assay. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 5039-5048	5.1	21
45	Study of natural mango juice spoilage and microbial contamination with <i>Penicillium expansum</i> by high resolution 1H NMR spectroscopy. <i>Food Chemistry</i> , 2006 , 96, 313-324	8.5	21
44	Performance of tetraalkylammonium-based ionic liquids as constituents of aqueous biphasic systems in the extraction of ovalbumin and lysozyme. <i>Separation and Purification Technology</i> , 2020 , 233, 116019	8.3	21
43	PEGylation-Dependent Metabolic Rewiring of Macrophages with Silk Fibroin Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 14515-14525	9.5	20
42	Metabolic profiling of liver from hypercholesterolemic pigs fed rye or wheat fiber and from normal pigs. High-resolution magic angle spinning 1H NMR spectroscopic study. <i>Analytical Chemistry</i> , 2007 , 79, 168-75	7.8	19
41	Flavonoid-mediated immunomodulation of human macrophages involves key metabolites and metabolic pathways. <i>Scientific Reports</i> , 2019 , 9, 14906	4.9	18

40	NMR metabolomics of renal cancer: an overview. <i>Bioanalysis</i> , 2015 , 7, 2361-2374	2.1	16
39	Impact of the PdSpermine Chelate on Osteosarcoma Metabolism: An NMR Metabolomics Study. <i>Journal of Proteome Research</i> , 2017 , 16, 1773-1783	5.6	15
38	Macrophage inflammatory and metabolic responses to graphene-based nanomaterials differing in size and functionalization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 186, 110709	6	15
37	Assessment of Human Health Risks Posed by Nano-and Microplastics Is Currently Not Feasible. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	15
36	A Contribution to the Harmonization of Non-targeted NMR Methods for Data-Driven Food Authenticity Assessment. <i>Food Analytical Methods</i> , 2020 , 13, 530-541	3.4	14
35	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	5.6	13
34	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	2.2	13
33	Coating independent cytotoxicity of citrate- and PEG-coated silver nanoparticles on a human hepatoma cell line. <i>Journal of Environmental Sciences</i> , 2017 , 51, 191-201	6.4	13
32	Remodeling of liver phospholipidomic profile in streptozotocin-induced diabetic rats. <i>Archives of Biochemistry and Biophysics</i> , 2013 , 538, 95-102	4.1	12
31	NMR metabonomics for mammalian cell metabolism studies. <i>Bioanalysis</i> , 2009 , 1, 1597-614	2.1	12
30	Metabolic responses of the isopod <i>Porcellionides pruinosus</i> to nickel exposure assessed by (1)H NMR metabolomics. <i>Journal of Proteomics</i> , 2016 , 137, 59-67	3.9	9
29	Can Biofluids Metabolic Profiling Help to Improve Healthcare during Pregnancy?. <i>Spectroscopy</i> , 2012 , 27, 515-523		8
28	A study of the effects of citrate-coated silver nanoparticles on RAW 264.7 cells using a toolbox of cytotoxic endpoints. <i>Journal of Nanoparticle Research</i> , 2017 , 19, 1	2.3	7
27	Metabolomic response of osteosarcoma cells to nanographene oxide-mediated hyperthermia. <i>Materials Science and Engineering C</i> , 2018 , 91, 340-348	8.3	7
26	Organotypic 3D decellularized matrix tumor spheroids for high-throughput drug screening. <i>Biomaterials</i> , 2021 , 275, 120983	15.6	7
25	Inflammatory responses of a human keratinocyte cell line to 10 nm citrate- and PEG-coated silver nanoparticles. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	6
24	Cellulose Nanocrystals/Chitosan-Based Nanosystems: Synthesis, Characterization, and Cellular Uptake on Breast Cancer Cells. <i>Nanomaterials</i> , 2021 , 11,	5.4	6
23	OddEven Effect in the Formation and Extraction Performance of Ionic-Liquid-Based Aqueous Biphasic Systems. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 8323-8331	3.9	5

22	Antimicrobial Properties and Therapeutic Applications of Silver Nanoparticles and Nanocomposites 2017 , 223-259		5
21	HIF-1 β inhibition by diethylstilbestrol and its polyacetal conjugate in hypoxic prostate tumour cells: insights from NMR metabolomics. <i>Journal of Drug Targeting</i> , 2017 , 25, 845-855	5.4	4
20	Targeting PCSK9: a promising adjuvant strategy in cancer immunotherapy. <i>Signal Transduction and Targeted Therapy</i> , 2021 , 6, 111	2.1	4
19	Silk Hydrogel Substrate Stress Relaxation Primes Mesenchymal Stem Cell Behavior in 2D. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 30420-30433	9.5	4
18	Biodistribution and pulmonary metabolic effects of silver nanoparticles in mice following acute intratracheal instillations. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 2301-2314	5.1	4
17	High-Resolution Magic Angle Spinning NMR Spectroscopy of Fruits and Vegetables 2008 , 1765-1768		3
16	An NMR study of the biochemistry of mango: The effects of ripening, processing and microbial growth. <i>Special Publication - Royal Society of Chemistry</i> , 259-266	0.1	3
15	Chronic exercise training attenuates prostate cancer-induced molecular remodelling in the testis. <i>Cellular Oncology (Dordrecht)</i> , 2021 , 44, 311-327	7.2	3
14	Differential Modulation of the Phospholipidome of Proinflammatory Human Macrophages by the Flavonoids Quercetin, Naringin and Naringenin. <i>Molecules</i> , 2020 , 25,	4.8	2
13	Triple Negative Breast Cancer and Breast Epithelial Cells Differentially Reprogram Glucose and Lipid Metabolism upon Treatment with Triterpenic Acids. <i>Biomolecules</i> , 2020 , 10,	5.9	2
12	Natural Compounds as Metabolic Modulators of the Tumor Microenvironment. <i>Molecules</i> , 2021 , 26,	4.8	2
11	Metabolic Effects of a Bark Lipophilic Extract on Triple Negative Breast Cancer and Nontumor Breast Epithelial Cells. <i>Journal of Proteome Research</i> , 2021 , 20, 565-575	5.6	2
10	Stratified 3D Microtumors as Organotypic Testing Platforms for Screening Pancreatic Cancer Therapies.. <i>Small Methods</i> , 2021 , 5, e2001207	12.8	2
9	Macrophage-Targeted Shikonin-Loaded Nanogels for Modulation of Inflammasome Activation.. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2022 , 102548	6	2
8	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	2.3	1
7	Development of a novel dendritic cell-based immunotherapy targeting cancer stem cells.. <i>Journal of Clinical Oncology</i> , 2019 , 37, e14009-e14009	2.2	1
6	In-Depth Analysis of the Impact of Different Serum-Free Media on the Production of Clinical Grade Dendritic Cells for Cancer Immunotherapy. <i>Frontiers in Immunology</i> , 2020 , 11, 593363	8.4	1
5	<i>Aspergillus fumigatus</i> Acetate Utilization Impacts Virulence Traits and Pathogenicity. <i>MBio</i> , 2021 , 12, e0168221	7.8	1

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| 4 | Role of Isoprenoid Compounds on Angiogenic Regulation: Opportunities and Challenges. <i>Current Medicinal Chemistry</i> , 2016 , 23, 911-28 | 4.3 | ○ |
| 3 | Ionic Liquids in Bioseparation Processes. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2019 , 168, 1-29 | 1.7 | ○ |
| 2 | Metabolomics in Biomaterial Research 2019 , 432-442 | | |
| 1 | Microscopic Studies of Liver and Kidney in Mice Exposed to Silver Nanoparticles. <i>Microscopy and Microanalysis</i> , 2016 , 22, 18-19 | 0.5 | |