Iola F Duarte

List of Publications by Year in Descending Order

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	Macrophage-Targeted Shikonin-Loaded Nanogels for Modulation of Inflammasome Activation.. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2022**, 102548	6	2
92	Targeting PCSK9: a promising adjuvant strategy in cancer immunotherapy. *Signal Transduction and Targeted Therapy*, **2021**, 6, 111	21	4
91	Silk Hydrogel Substrate Stress Relaxation Primes Mesenchymal Stem Cell Behavior in 2D. *ACS Applied Materials & Interfaces*, **2021**, 13, 30420-30433	9.5	4
90	Natural Compounds as Metabolic Modulators of the Tumor Microenvironment. *Molecules*, **2021**, 26,	4.8	2
89	Chronic exercise training attenuates prostate cancer-induced molecular remodelling in the testis. *Cellular Oncology (Dordrecht)*, **2021**, 44, 311-327	7.2	3
88	Biodistribution and pulmonary metabolic effects of silver nanoparticles in mice following acute intratracheal instillations. *Environmental Science and Pollution Research*, **2021**, 28, 2301-2314	5.1	4
87	Metabolic Effects of a Bark Lipophilic Extract on Triple Negative Breast Cancer and Nontumor Breast Epithelial Cells. *Journal of Proteome Research*, **2021**, 20, 565-575	5.6	2
86	Stratified 3D Microtumors as Organotypic Testing Platforms for Screening Pancreatic Cancer Therapies.. *Small Methods*, **2021**, 5, e2001207	12.8	2
85	Cellulose Nanocrystals/Chitosan-Based Nanosystems: Synthesis, Characterization, and Cellular Uptake on Breast Cancer Cells. *Nanomaterials*, **2021**, 11,	5.4	6
84	Aspergillus fumigatus Acetate Utilization Impacts Virulence Traits and Pathogenicity. *MBio*, **2021**, 12, e0168221	7.8	1
83	Organotypic 3D decellularized matrix tumor spheroids for high-throughput drug screening. *Biomaterials*, **2021**, 275, 120983	15.6	7
82	Macrophage Metabolomics Reveals Differential Metabolic Responses to Subtoxic Levels of Silver Nanoparticles and Ionic Silver. *European Journal of Inorganic Chemistry*, **2020**, 2020, 1867-1876	2.3	1
81	Macrophage inflammatory and metabolic responses to graphene-based nanomaterials differing in size and functionalization. *Colloids and Surfaces B: Biointerfaces*, **2020**, 186, 110709	6	15
80	A Contribution to the Harmonization of Non-targeted NMR Methods for Data-Driven Food Authenticity Assessment. *Food Analytical Methods*, **2020**, 13, 530-541	3.4	14
79	Assessment of Human Health Risks Posed by Nano-and Microplastics Is Currently Not Feasible. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	15
78	Differential Modulation of the Phospholipidome of Proinflammatory Human Macrophages by the Flavonoids Quercetin, Naringin and Naringenin. *Molecules*, **2020**, 25,	4.8	2
77	Triple Negative Breast Cancer and Breast Epithelial Cells Differentially Reprogram Glucose and Lipid Metabolism upon Treatment with Triterpenic Acids. *Biomolecules*, **2020**, 10,	5.9	2

76	Performance of tetraalkylammonium-based ionic liquids as constituents of aqueous biphasic systems in the extraction of ovalbumin and lysozyme. *Separation and Purification Technology*, **2020**, 233, 116019	8.3	21
75	In-Depth Analysis of the Impact of Different Serum-Free Media on the Production of Clinical Grade Dendritic Cells for Cancer Immunotherapy. *Frontiers in Immunology*, **2020**, 11, 593363	8.4	1
74	Metabolic crosstalk in the breast cancer microenvironment. *European Journal of Cancer*, **2019**, 121, 154-171	7.5	63
73	Odd–Even Effect in the Formation and Extraction Performance of Ionic-Liquid-Based Aqueous Biphasic Systems. *Industrial & Engineering Chemistry Research*, **2019**, 58, 8323-8331	3.9	5
72	PEGylation-Dependent Metabolic Rewiring of Macrophages with Silk Fibroin Nanoparticles. *ACS Applied Materials & Interfaces*, **2019**, 11, 14515-14525	9.5	20
71	Metabolomics in Biomaterial Research **2019**, 432-442		
70	Flavonoid-mediated immunomodulation of human macrophages involves key metabolites and metabolic pathways. *Scientific Reports*, **2019**, 9, 14906	4.9	18
69	Development of a novel dendritic cell-based immunotherapy targeting cancer stem cells.. *Journal of Clinical Oncology*, **2019**, 37, e14009-e14009	2.2	1
68	Ionic Liquids in Bioseparation Processes. *Advances in Biochemical Engineering/Biotechnology*, **2019**, 168, 1-29	1.7	0
67	NMR Metabolomics Reveals Metabolism-Mediated Protective Effects in Liver (HepG2) Cells Exposed to Subtoxic Levels of Silver Nanoparticles. *Journal of Proteome Research*, **2018**, 17, 1636-1646	5.6	13
66	Targeting Tumor Metabolism with Plant-Derived Natural Products: Emerging Trends in Cancer Therapy. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 10663-10685	5.7	51
65	Metabolomic response of osteosarcoma cells to nanographene oxide-mediated hyperthermia. *Materials Science and Engineering C*, **2018**, 91, 340-348	8.3	7
64	Impact of the PdSpermine Chelate on Osteosarcoma Metabolism: An NMR Metabolomics Study. *Journal of Proteome Research*, **2017**, 16, 1773-1783	5.6	15
63	Metabolic Reprogramming of Macrophages Exposed to Silk, Poly(lactic-co-glycolic acid), and Silica Nanoparticles. *Advanced Healthcare Materials*, **2017**, 6, 1601240	10.1	30
62	A study of the effects of citrate-coated silver nanoparticles on RAW 264.7 cells using a toolbox of cytotoxic endpoints. *Journal of Nanoparticle Research*, **2017**, 19, 1	2.3	7
61	Genotoxicity of citrate-coated silver nanoparticles to human keratinocytes assessed by the comet assay and cytokinesis blocked micronucleus assay. *Environmental Science and Pollution Research*, **2017**, 24, 5039-5048	5.1	21
60	Antimicrobial Properties and Therapeutic Applications of Silver Nanoparticles and Nanocomposites **2017**, 223-259		5
59	HIF-1 Inhibition by diethylstilbestrol and its polyacetal conjugate in hypoxic prostate tumour cells: insights from NMR metabolomics. *Journal of Drug Targeting*, **2017**, 25, 845-855	5.4	4

58	From the Cover: Metabolism Modulation in Different Organs by Silver Nanoparticles: An NMR Metabolomics Study of a Mouse Model. *Toxicological Sciences*, **2017**, 159, 422-435	4.4	27
57	Coating independent cytotoxicity of citrate- and PEG-coated silver nanoparticles on a human hepatoma cell line. *Journal of Environmental Sciences*, **2017**, 51, 191-201	6.4	13
56	Metabolic responses of the isopod Porcellionides pruinosus to nickel exposure assessed by (1)H NMR metabolomics. *Journal of Proteomics*, **2016**, 137, 59-67	3.9	9
55	Insights into the impact of silver nanoparticles on human keratinocytes metabolism through NMR metabolomics. *Archives of Biochemistry and Biophysics*, **2016**, 589, 53-61	4.1	38
54	Role of Isoprenoid Compounds on Angiogenic Regulation: Opportunities and Challenges. *Current Medicinal Chemistry*, **2016**, 23, 911-28	4.3	0
53	The influence of Citrate or PEG coating on silver nanoparticle toxicity to a human keratinocyte cell line. *Toxicology Letters*, **2016**, 249, 29-41	4.4	50
52	Microscopic Studies of Liver and Kidney in Mice Exposed to Silver Nanoparticles. *Microscopy and Microanalysis*, **2016**, 22, 18-19	0.5	
51	Metabolomics of silver nanoparticles toxicity in HaCaT cells: structure-activity relationships and role of ionic silver and oxidative stress. *Nanotoxicology*, **2016**, 10, 1105-17	5.3	49
50	Inflammatory responses of a human keratinocyte cell line to 10 nm citrate- and PEG-coated silver nanoparticles. *Journal of Nanoparticle Research*, **2016**, 18, 1	2.3	6
49	NMR metabolomics of renal cancer: an overview. *Bioanalysis*, **2015**, 7, 2361-2374	2.1	16
48	NMR metabolomics of human lung tumours reveals distinct metabolic signatures for adenocarcinoma and squamous cell carcinoma. *Carcinogenesis*, **2015**, 36, 68-75	4.6	60
47	Different responses of young and expanded lettuce leaves to fungicide Mancozeb: chlorophyll fluorescence, lipid peroxidation, pigments and proline content. *Photosynthetica*, **2014**, 52, 148-151	2.2	13
46	NMR metabolomics of human blood and urine in disease research. *Journal of Pharmaceutical and Biomedical Analysis*, **2014**, 93, 17-26	3.5	82
45	Changes in the metabolome of lettuce leaves due to exposure to mancozeb pesticide. *Food Chemistry*, **2014**, 154, 291-8	8.5	35
44	Metabolic markers of MG-63 osteosarcoma cell line response to doxorubicin and methotrexate treatment: comparison to cisplatin. *Journal of Proteome Research*, **2014**, 13, 6033-45	5.6	29
43	Urinary metabolomic changes as a predictive biomarker of asthma exacerbation. *Journal of Allergy and Clinical Immunology*, **2014**, 133, 261-3.e1-5	11.5	46
42	Metabolic profiling of biofluids: potential in lung cancer screening and diagnosis. *Expert Review of Molecular Diagnostics*, **2013**, 13, 737-48	3.8	27
41	Potential markers of cisplatin treatment response unveiled by NMR metabolomics of human lung cells. *Molecular Pharmaceutics*, **2013**, 10, 4242-51	5.6	32

40	Following healthy pregnancy by nuclear magnetic resonance (NMR) metabolic profiling of human urine. *Journal of Proteome Research*, **2013**, 12, 969-79	5.6	42
39	Mid-infrared (MIR) metabolic fingerprinting of amniotic fluid: a possible avenue for early diagnosis of prenatal disorders?. *Analytica Chimica Acta*, **2013**, 764, 24-31	6.6	22
38	Remodeling of liver phospholipidomic profile in streptozotocin-induced diabetic rats. *Archives of Biochemistry and Biophysics*, **2013**, 538, 95-102	4.1	12
37	Second trimester maternal urine for the diagnosis of trisomy 21 and prediction of poor pregnancy outcomes. *Journal of Proteome Research*, **2013**, 12, 2946-57	5.6	61
36	Metabolic signatures of cancer unveiled by NMR spectroscopy of human biofluids. *Progress in Nuclear Magnetic Resonance Spectroscopy*, **2012**, 62, 51-74	10.4	48
35	Exploring the human urine metabolomic potentialities by comprehensive two-dimensional gas chromatography coupled to time of flight mass spectrometry. *Journal of Chromatography A*, **2012**, 1252, 155-63	4.5	67
34	Can Biofluids Metabolic Profiling Help to Improve Healthcare during Pregnancy?. *Spectroscopy*, **2012**, 27, 515-523		8
33	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, 1243-54		78
32	Metabolic signatures of lung cancer in biofluids: NMR-based metabonomics of urine. *Journal of Proteome Research*, **2011**, 10, 221-30	5.6	178
31	Metabolic signatures of lung cancer in biofluids: NMR-based metabonomics of blood plasma. *Journal of Proteome Research*, **2011**, 10, 4314-24	5.6	133
30	Metabolic biomarkers of prenatal disorders: an exploratory NMR metabonomics study of second trimester maternal urine and blood plasma. *Journal of Proteome Research*, **2011**, 10, 3732-42	5.6	125
29	Biocellulose membranes as supports for dermal release of lidocaine. *Biomacromolecules*, **2011**, 12, 4162-8	6.9	110
28	Following dynamic biological processes through NMR-based metabonomics: a new tool in nanomedicine?. *Journal of Controlled Release*, **2011**, 153, 34-9	11.7	31
27	Metabolic profiling of human lung cancer tissue by 1H high resolution magic angle spinning (HRMAS) NMR spectroscopy. *Journal of Proteome Research*, **2010**, 9, 319-32	5.6	123
26	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, 5877-86	5.6	32
25	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, 6016-24	5.6	77
24	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, 715-25	5.1	27
23	Identification of metabolites in human hepatic bile using 800 MHz 1H NMR spectroscopy, HPLC-NMR/MS and UPLC-MS. *Molecular BioSystems*, **2009**, 5, 180-90		52

22	(1)H NMR based metabonomics of human amniotic fluid for the metabolic characterization of fetus malformations. *Journal of Proteome Research*, **2009**, 8, 4144-50	5.6	55
21	NMR metabonomics for mammalian cell metabolism studies. *Bioanalysis*, **2009**, 1, 1597-614	2.1	12
20	Analytical approaches toward successful human cell metabolome studies by NMR spectroscopy. *Analytical Chemistry*, **2009**, 81, 5023-32	7.8	52
19	Metabolite profiling of human amniotic fluid by hyphenated nuclear magnetic resonance spectroscopy. *Analytical Chemistry*, **2008**, 80, 6085-92	7.8	44
18	High-Resolution Magic Angle Spinning NMR Spectroscopy of Fruits and Vegetables **2008**, 1765-1768		3
17	Potential of NMR spectroscopy for the study of human amniotic fluid. *Analytical Chemistry*, **2007**, 79, 8367-75	7.8	32
16	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. *Analytical Chemistry*, **2007**, 79, 168-75	7.8	19
15	Metabolic characterisation of plasma in juveniles with glycogen storage disease type 1a (GSD1a) by high-resolution (1)H NMR spectroscopy. *NMR in Biomedicine*, **2007**, 20, 401-12	4.4	30
14	Composition of beer by 1H NMR spectroscopy: effects of brewing site and date of production. *Journal of Agricultural and Food Chemistry*, **2006**, 54, 700-6	5.7	77
13	Study of natural mango juice spoilage and microbial contamination with Penicillium expansum by high resolution 1H NMR spectroscopy. *Food Chemistry*, **2006**, 96, 313-324	8.5	21
12	Characterization of Mango Juice by High-Resolution NMR, Hyphenated NMR, and Diffusion-Ordered Spectroscopy. *Spectroscopy Letters*, **2005**, 38, 319-342	1.1	27
11	Metabolic assessment of human liver transplants from biopsy samples at the donor and recipient stages using high-resolution magic angle spinning 1H NMR spectroscopy. *Analytical Chemistry*, **2005** , 77, 5570-8	7.8	94
10	Sorghum fermentation followed by spectroscopic techniques. *Food Chemistry*, **2005**, 90, 853-859	8.5	51
9	Exploratory applications of diffusion ordered spectroscopy to liquid foods: an aid towards spectral assignment. *Analytica Chimica Acta*, **2004**, 506, 215-223	6.6	36
8	High-resolution NMR and diffusion-ordered spectroscopy of port wine. *Journal of Agricultural and Food Chemistry*, **2004**, 52, 3736-43	5.7	101
7	Multivariate analysis of NMR and FTIR data as a potential tool for the quality control of beer. *Journal of Agricultural and Food Chemistry*, **2004**, 52, 1031-8	5.7	107
6	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. *Analytica Chimica Acta*, **2003**, 488, 35-51	6.6	82
5	Application of NMR spectroscopy and LC-NMR/MS to the identification of carbohydrates in beer. *Journal of Agricultural and Food Chemistry*, **2003**, 51, 4847-52	5.7	57

4	High-resolution nuclear magnetic resonance spectroscopy and multivariate analysis for the characterization of beer. *Journal of Agricultural and Food Chemistry*, **2002**, 50, 2475-81	5.7	136
3	Application of FTIR spectroscopy for the quantification of sugars in mango juice as a function of ripening. *Journal of Agricultural and Food Chemistry*, **2002**, 50, 3104-11	5.7	84
2	Study of the compositional changes of mango during ripening by use of nuclear magnetic resonance spectroscopy. *Journal of Agricultural and Food Chemistry*, **2000**, 48, 1524-36	5.7	122
1	An NMR study of the biochemistry of mango: The effects of ripening, processing and microbial growth. *Special Publication - Royal Society of Chemistry*,259-266	0.1	3