

Salvador Fernandez-Arroyo

List of Publications by Year in Descending Order

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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.

73
papers

2,334
citations

29
h-index

46
g-index

75
ext. papers

2,723
ext. citations

5.1
avg, IF

4.7
L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 73 | Theobroma cacao improves bone growth by modulating defective ciliogenesis in a mouse model of achondroplasia.. <i>Bone Research</i> , 2022 , 10, 8 | 13.3 | |
| 72 | Glutaminolysis-induced mTORC1 activation drives non-alcoholic steatohepatitis progression. <i>Journal of Hepatology</i> , 2021 , | 13.4 | 2 |
| 71 | Hepatic metabolic adaptation and adipose tissue expansion are altered in mice with steatohepatitis induced by high-fat high sucrose diet. <i>Journal of Nutritional Biochemistry</i> , 2021 , 89, 108559 | 6.3 | 5 |
| 70 | Laparoscopic sleeve gastrectomy alters H-NMR-measured lipoprotein and glycoprotein profile in patients with severe obesity and nonalcoholic fatty liver disease. <i>Scientific Reports</i> , 2021 , 11, 1343 | 4.9 | 1 |
| 69 | Nonalcoholic Steatohepatitis Modifies Serum Iron-Related Variables in Patients with Morbid Obesity. <i>Biological Trace Element Research</i> , 2021 , 199, 4555-4563 | 4.5 | 2 |
| 68 | Coupling Machine Learning and Lipidomics as a Tool to Investigate Metabolic Dysfunction-Associated Fatty Liver Disease. A General Overview. <i>Biomolecules</i> , 2021 , 11, | 5.9 | 3 |
| 67 | Systemic overexpression of C-C motif chemokine ligand 2 promotes metabolic dysregulation and premature death in mice with accelerated aging. <i>Aging</i> , 2020 , 12, 20001-20023 | 5.6 | 2 |
| 66 | Effects of radiotherapy on plasma energy metabolites in patients with breast cancer who received neoadjuvant chemotherapy. <i>Clinical and Translational Oncology</i> , 2020 , 22, 1078-1085 | 3.6 | 4 |
| 65 | A placebo-controlled proof-of-concept study of alirocumab on postprandial lipids and vascular elasticity in insulin-treated patients with type 2 diabetes mellitus. <i>Diabetes, Obesity and Metabolism</i> , 2020 , 22, 807-816 | 6.7 | 6 |
| 64 | Chemokine (C-C motif) ligand 2 and coronary artery disease: Tissue expression of functional and atypical receptors. <i>Cytokine</i> , 2020 , 126, 154923 | 4 | 7 |
| 63 | Plasma metabolic alterations in patients with severe obesity and non-alcoholic steatohepatitis. <i>Alimentary Pharmacology and Therapeutics</i> , 2020 , 51, 374-387 | 6.1 | 8 |
| 62 | Alterations in plasma concentrations of energy-balance-related metabolites in patients with lung, or head & neck, cancers: Effects of radiotherapy. <i>Journal of Proteomics</i> , 2020 , 213, 103605 | 3.9 | 3 |
| 61 | Chemokine C-C motif ligand 2 overexpression drives tissue-specific metabolic responses in the liver and muscle of mice. <i>Scientific Reports</i> , 2020 , 10, 11954 | 4.9 | 6 |
| 60 | Effect of Vitamin D on the Postprandial Lipid Profile in Obese Patients: A Non-Targeted Lipidomics Study. <i>Nutrients</i> , 2019 , 11, | 6.7 | 10 |
| 59 | Chemokine (C-C motif) ligand 2 gene ablation protects low-density lipoprotein and paraoxonase-1 double deficient mice from liver injury, oxidative stress and inflammation. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019 , 1865, 1555-1566 | 6.9 | 8 |
| 58 | Laparoscopic sleeve gastrectomy reverses non-alcoholic fatty liver disease modulating oxidative stress and inflammation. <i>Metabolism: Clinical and Experimental</i> , 2019 , 99, 81-89 | 12.7 | 17 |
| 57 | Metformin induces a fasting- and antifolate-mimicking modification of systemic host metabolism in breast cancer patients. <i>Aging</i> , 2019 , 11, 2874-2888 | 5.6 | 18 |

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| 56 | An olive oil phenolic is a new chemotype of mutant isocitrate dehydrogenase 1 (IDH1) inhibitors. <i>Carcinogenesis</i> , 2019 , 40, 27-40 | 4.6 | 9 |
| 55 | Bioactive Compounds from Theobroma cacao: Effect of Isolation and Safety Evaluation. <i>Plant Foods for Human Nutrition</i> , 2019 , 74, 40-46 | 3.9 | 5 |
| 54 | Different behavior of polyphenols in energy metabolism of lipopolysaccharide-stimulated cells. <i>Food Research International</i> , 2019 , 118, 96-100 | 7 | 6 |
| 53 | Assessment of extracellular matrix-related biomarkers in patients with lower extremity artery disease. <i>Journal of Vascular Surgery</i> , 2018 , 68, 1135-1142.e6 | 3.5 | 3 |
| 52 | Extra-virgin olive oil contains a metabolo-epigenetic inhibitor of cancer stem cells. <i>Carcinogenesis</i> , 2018 , 39, 601-613 | 4.6 | 35 |
| 51 | Metformin regulates global DNA methylation via mitochondrial one-carbon metabolism. <i>Oncogene</i> , 2018 , 37, 963-970 | 9.2 | 65 |
| 50 | Bioassay-guided purification of Lippia citriodora polyphenols with AMPK modulatory activity. <i>Journal of Functional Foods</i> , 2018 , 46, 514-520 | 5.1 | 16 |
| 49 | Metformin directly targets the H3K27me3 demethylase KDM6A/UTX. <i>Aging Cell</i> , 2018 , 17, e12772 | 9.9 | 43 |
| 48 | Abstract P1-10-01: Safety and efficacy of neoadjuvant metformin with trastuzumab and chemotherapy in women with HER2-positive early breast cancer: A randomized, open-label, multicenter, phase 2 trial 2018 , | | 2 |
| 47 | A phase 2 trial of neoadjuvant metformin in combination with trastuzumab and chemotherapy in women with early HER2-positive breast cancer: the METTEN study. <i>Oncotarget</i> , 2018 , 9, 35687-35704 | 3.3 | 34 |
| 46 | Metabolite normalization with local radiotherapy following breast tumor resection. <i>PLoS ONE</i> , 2018 , 13, e0207474 | 3.7 | 12 |
| 45 | Metformin Is a Direct SIRT1-Activating Compound: Computational Modeling and Experimental Validation. <i>Frontiers in Endocrinology</i> , 2018 , 9, 657 | 5.7 | 64 |
| 44 | Plasma Energy-Balance Metabolites Discriminate Asymptomatic Patients with Peripheral Artery Disease. <i>Mediators of Inflammation</i> , 2018 , 2018, 2760272 | 4.3 | 8 |
| 43 | Effect of radiotherapy on activity and concentration of serum paraoxonase-1 in breast cancer patients. <i>PLoS ONE</i> , 2017 , 12, e0188633 | 3.7 | 14 |
| 42 | Metabolomic mapping of cancer stem cells for reducing and exploiting tumor heterogeneity. <i>Oncotarget</i> , 2017 , 8, 99223-99236 | 3.3 | 8 |
| 41 | Metformin Potentiates the Benefits of Dietary Restraint: A Metabolomic Study. <i>International Journal of Molecular Sciences</i> , 2017 , 18, | 6.3 | 12 |
| 40 | Nutrients in Energy and One-Carbon Metabolism: Learning from Metformin Users. <i>Nutrients</i> , 2017 , 9, | 6.7 | 21 |
| 39 | Cocoa and Grape Seed Byproducts as a Source of Antioxidant and Anti-Inflammatory Proanthocyanidins. <i>International Journal of Molecular Sciences</i> , 2017 , 18, | 6.3 | 65 |

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| 38 | Metformin targets histone acetylation in cancer-prone epithelial cells. <i>Cell Cycle</i> , 2016 , 15, 3355-3361 | 4.7 | 15 |
| 37 | Oncometabolic Nuclear Reprogramming of Cancer Stemness. <i>Stem Cell Reports</i> , 2016 , 6, 273-83 | 8 | 28 |
| 36 | Methotrexate selectively targets human proinflammatory macrophages through a thymidylate synthase/p53 axis. <i>Annals of the Rheumatic Diseases</i> , 2016 , 75, 2157-2165 | 2.4 | 24 |
| 35 | Exploring the Process of Energy Generation in Pathophysiology by Targeted Metabolomics: Performance of a Simple and Quantitative Method. <i>Journal of the American Society for Mass Spectrometry</i> , 2016 , 27, 168-77 | 3.5 | 28 |
| 34 | Mitophagy-driven mitochondrial rejuvenation regulates stem cell fate. <i>Aging</i> , 2016 , 8, 1330-52 | 5.6 | 54 |
| 33 | Accelerated geroncogenesis in hereditary breast-ovarian cancer syndrome. <i>Oncotarget</i> , 2016 , 7, 11959-73 | 3.3 | 9 |
| 32 | Germline BRCA1 mutation reprograms breast epithelial cell metabolism towards mitochondrial-dependent biosynthesis: evidence for metformin-based "starvation" strategies in BRCA1 carriers. <i>Oncotarget</i> , 2016 , 7, 52974-52992 | 3.3 | 24 |
| 31 | Epigenetics and nutrition-related epidemics of metabolic diseases: Current perspectives and challenges. <i>Food and Chemical Toxicology</i> , 2016 , 96, 191-204 | 4.7 | 20 |
| 30 | The acute impact of polyphenols from Hibiscus sabdariffa in metabolic homeostasis: an approach combining metabolomics and gene-expression analyses. <i>Food and Function</i> , 2015 , 6, 2957-66 | 6.1 | 20 |
| 29 | Reshaping of Human Macrophage Polarization through Modulation of Glucose Catabolic Pathways. <i>Journal of Immunology</i> , 2015 , 195, 2442-51 | 5.3 | 58 |
| 28 | Characterization of phenolic compounds, anthocyanidin, antioxidant and antimicrobial activity of 25 varieties of Mexican Roselle (Hibiscus sabdariffa). <i>Industrial Crops and Products</i> , 2015 , 69, 385-394 | 5.9 | 127 |
| 27 | Managing hypertension by polyphenols. <i>Planta Medica</i> , 2015 , 81, 624-9 | 3.1 | 14 |
| 26 | Mapping of the circulating metabolome reveals ketoglutarate as a predictor of morbid obesity-associated non-alcoholic fatty liver disease. <i>International Journal of Obesity</i> , 2015 , 39, 279-87 | 5.5 | 60 |
| 25 | The impact of polyphenols on chondrocyte growth and survival: a preliminary report. <i>Food and Nutrition Research</i> , 2015 , 59, 29311 | 3.1 | 1 |
| 24 | Activation of the methylation cycle in cells reprogrammed into a stem cell-like state. <i>Oncoscience</i> , 2015 , 2, 958-967 | 0.8 | 24 |
| 23 | Oncometabolic mutation IDH1 R132H confers a metformin-hypersensitive phenotype. <i>Oncotarget</i> , 2015 , 6, 12279-96 | 3.3 | 41 |
| 22 | Polyphenols and the modulation of gene expression pathways: can we eat our way out of the danger of chronic disease?. <i>Critical Reviews in Food Science and Nutrition</i> , 2014 , 54, 985-1001 | 11.5 | 75 |
| 21 | Isolation, comprehensive characterization and antioxidant activities of Theobroma cacao extract. <i>Journal of Functional Foods</i> , 2014 , 10, 485-498 | 5.1 | 56 |

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|----|--|-----|-----|
| 20 | Paraoxonases and chemokine (C-C motif) ligand-2 in noncommunicable diseases. <i>Advances in Clinical Chemistry</i> , 2014 , 63, 247-308 | 5.8 | 25 |
| 19 | Acquired resistance to metformin in breast cancer cells triggers transcriptome reprogramming toward a degradome-related metastatic stem-like profile. <i>Cell Cycle</i> , 2014 , 13, 1132-44 | 4.7 | 54 |
| 18 | Pine bark and green tea concentrated extracts: antioxidant activity and comprehensive characterization of bioactive compounds by HPLC-ESI-QTOF-MS. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 20382-402 | 6.3 | 51 |
| 17 | Hibiscus sabdariffa extract lowers blood pressure and improves endothelial function. <i>Molecular Nutrition and Food Research</i> , 2014 , 58, 1374-8 | 5.9 | 40 |
| 16 | Antioxidant activity evaluation of new dosage forms as vehicles for dehydrated vegetables. <i>Plant Foods for Human Nutrition</i> , 2013 , 68, 200-6 | 3.9 | 6 |
| 15 | Comprehensive characterization by UHPLC-ESI-Q-TOF-MS from an <i>Eryngium bourgatii</i> extract and their antioxidant and anti-inflammatory activities. <i>Food Research International</i> , 2013 , 50, 197-204 | 7 | 76 |
| 14 | Xenohormetic and anti-aging activity of secoiridoid polyphenols present in extra virgin olive oil: a new family of gerosuppressant agents. <i>Cell Cycle</i> , 2013 , 12, 555-78 | 4.7 | 113 |
| 13 | Application of nanoLC-ESI-TOF-MS for the metabolomic analysis of phenolic compounds from extra-virgin olive oil in treated colon-cancer cells. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012 , 63, 128-34 | 3.5 | 38 |
| 12 | Synergism of plant-derived polyphenols in adipogenesis: perspectives and implications. <i>Phytomedicine</i> , 2012 , 19, 253-61 | 6.5 | 100 |
| 11 | HPLC-ESI-Q-TOF-MS for a comprehensive characterization of bioactive phenolic compounds in cucumber whole fruit extract. <i>Food Research International</i> , 2012 , 46, 108-117 | 7 | 94 |
| 10 | Phenolic secoiridoids in extra virgin olive oil impede fibrogenic and oncogenic epithelial-to-mesenchymal transition: extra virgin olive oil as a source of novel antiaging phytochemicals. <i>Rejuvenation Research</i> , 2012 , 15, 3-21 | 2.6 | 34 |
| 9 | Bioavailability study of a polyphenol-enriched extract from <i>Hibiscus sabdariffa</i> in rats and associated antioxidant status. <i>Molecular Nutrition and Food Research</i> , 2012 , 56, 1590-5 | 5.9 | 52 |
| 8 | Evaluation of different extraction approaches for the determination of phenolic compounds and their metabolites in plasma by nanoLC-ESI-TOF-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 404, 3081-90 | 4.4 | 8 |
| 7 | Quantification of the polyphenolic fraction and in vitro antioxidant and in vivo anti-hyperlipemic activities of <i>Hibiscus sabdariffa</i> aqueous extract. <i>Food Research International</i> , 2011 , 44, 1490-1495 | 7 | 76 |
| 6 | A systematic study of the polyphenolic composition of aqueous extracts deriving from several <i>Cistus</i> genus species: evolutionary relationship. <i>Phytochemical Analysis</i> , 2011 , 22, 303-12 | 3.4 | 70 |
| 5 | Crude phenolic extracts from extra virgin olive oil circumvent de novo breast cancer resistance to HER1/HER2-targeting drugs by inducing GADD45-sensed cellular stress, G2/M arrest and hyperacetylation of Histone H3. <i>International Journal of Oncology</i> , 2011 , 38, 1533-47 | 4.4 | 19 |
| 4 | Cistaceae aqueous extracts containing ellagitannins show antioxidant and antimicrobial capacity, and cytotoxic activity against human cancer cells. <i>Food and Chemical Toxicology</i> , 2010 , 48, 2273-82 | 4.7 | 96 |
| 3 | High-performance liquid chromatography with diode array detection coupled to electrospray time-of-flight and ion-trap tandem mass spectrometry to identify phenolic compounds from a <i>Cistus ladanifer</i> aqueous extract. <i>Phytochemical Analysis</i> , 2010 , 21, 307-13 | 3.4 | 41 |

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| 2 | Correlation between plasma antioxidant capacity and verbascoside levels in rats after oral administration of lemon verbena extract. <i>Food Chemistry</i> , 2009 , 117, 589-598 | 8.5 | 105 |
| 1 | Progress in the Synthesis of Poly(2,7-Fluorene-alt-1,4-Phenylene), PFP, via Suzuki Coupling.. <i>Macromolecules</i> , 2009 , 42, 5471-5477 | 5.5 | 34 |