

# Michael R La Frano

## List of Publications by Year in descending order

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57  
papers

1,567  
citations

516215

16  
h-index

315357

38  
g-index

58  
all docs

58  
docs citations

58  
times ranked

2903  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strengthening the Immune System and Reducing Inflammation and Oxidative Stress through Diet and Nutrition: Considerations during the COVID-19 Crisis. <i>Nutrients</i> , 2020, 12, 1562.	1.7	488
2	Perinatal Exposure of Mice to the Pesticide DDT Impairs Energy Expenditure and Metabolism in Adult Female Offspring. <i>PLoS ONE</i> , 2014, 9, e103337.	1.1	135
3	Absorption, metabolism, and functions of $\beta$ -cryptoxanthin. <i>Nutrition Reviews</i> , 2016, 74, 69-82.	2.6	134
4	Bioavailability of iron, zinc, and provitamin A carotenoids in biofortified staple crops. <i>Nutrition Reviews</i> , 2014, 72, 289-307.	2.6	131
5	Phytochemicals as modifiers of gut microbial communities. <i>Food and Function</i> , 2020, 11, 8444-8471.	2.1	85
6	Biofortified cassava increases $\beta$ -carotene and vitamin A concentrations in the TAG-rich plasma layer of American women. <i>British Journal of Nutrition</i> , 2013, 110, 310-320.	1.2	62
7	Perinatal triphenyl phosphate exposure accelerates type 2 diabetes onset and increases adipose accumulation in UCD-type 2 diabetes mellitus rats. <i>Reproductive Toxicology</i> , 2017, 68, 119-129.	1.3	45
8	Diet-induced obesity and weight loss alter bile acid concentrations and bile acid-sensitive gene expression in insulin target tissues of C57BL/6J mice. <i>Nutrition Research</i> , 2017, 46, 11-21.	1.3	44
9	Dose-related liver injury of Geniposide associated with the alteration in bile acid synthesis and transportation. <i>Scientific Reports</i> , 2017, 7, 8938.	1.6	41
10	Umbilical cord blood metabolomics reveal distinct signatures of dyslipidemia prior to bronchopulmonary dysplasia and pulmonary hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018, 315, L870-L881.	1.3	34
11	Obesity-induced changes in lipid mediators persist after weight loss. <i>International Journal of Obesity</i> , 2018, 42, 728-736.	1.6	33
12	Dysregulated FXR-FGF19 signaling and choline metabolism are associated with gut dysbiosis and hyperplasia in a novel pig model of pediatric NASH. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 318, G582-G609.	1.6	27
13	Metabolic perturbations of postnatal growth restriction and hyperoxia-induced pulmonary hypertension in a bronchopulmonary dysplasia model. <i>Metabolomics</i> , 2017, 13, 1.	1.4	23
14	Impact of post-collection freezing delay on the reliability of serum metabolomics in samples reflecting the California mid-term pregnancy biobank. <i>Metabolomics</i> , 2018, 14, 151.	1.4	22
15	Relationship between the plasma acylcarnitine profile and cardiometabolic risk factors in adults diagnosed with cardiovascular diseases. <i>Clinica Chimica Acta</i> , 2020, 507, 250-256.	0.5	22
16	Assessment of tissue distribution and concentration of $\beta$ -cryptoxanthin in response to varying amounts of dietary $\beta$ -cryptoxanthin in the Mongolian gerbil. <i>British Journal of Nutrition</i> , 2014, 111, 968-978.	1.2	20
17	Neurodegeneration in juvenile Iberian pigs with diet-induced nonalcoholic fatty liver disease. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 319, E592-E606.	1.8	19
18	Diet Quality and Micronutrient Intake among Long-Term Weight Loss Maintainers. <i>Nutrients</i> , 2019, 11, 3046.	1.7	17

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19	Activation of Energy Metabolism through Growth Media Reformulation Enables a 24-Hour Workflow for Cell-Free Expression. <i>ACS Synthetic Biology</i> , 2020, 9, 2765-2774.	1.9	15
20	Interpretation of Serum Retinol Data From Latin America and the Caribbean. <i>Food and Nutrition Bulletin</i> , 2015, 36, S98-S108.	0.5	14
21	Discovery and biological relevance of 3,4-didehydroretinol (vitamin A <sub>2</sub> ) in small indigenous fish species and its potential as a dietary source for addressing vitamin A deficiency. <i>International Journal of Food Sciences and Nutrition</i> , 2018, 69, 253-261.	1.3	14
22	Metabolites involved in purine degradation, insulin resistance, and fatty acid oxidation are associated with prediction of Gestational diabetes in plasma. <i>Metabolomics</i> , 2021, 17, 105.	1.4	14
23	High-Fructose, High-Fat Diet Alters Muscle Composition and Fuel Utilization in a Juvenile Iberian Pig Model of Non-Alcoholic Fatty Liver Disease. <i>Nutrients</i> , 2021, 13, 4195.	1.7	13
24	Red palm oil-supplemented and biofortified cassava gari increase the carotenoid and retinyl palmitate concentrations of triacylglycerol-rich plasma in women. <i>Nutrition Research</i> , 2015, 35, 965-974.	1.3	12
25	Short- and medium-term exposures of diazepam induce metabolomic alterations associated with the serotonergic, dopaminergic, adrenergic and aspartic acid neurotransmitter systems in zebrafish ( <i>Danio rerio</i> ) embryos/larvae. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2021, 38, 100816.	0.4	11
26	Insulin induces a shift in lipid and primary carbon metabolites in a model of fasting-induced insulin resistance. <i>Metabolomics</i> , 2017, 13, 1.	1.4	9
27	Plasma metabolomic profile in prostatic intraepithelial neoplasia and prostate cancer and associations with the prostate-specific antigen and the Gleason score. <i>Metabolomics</i> , 2020, 16, 74.	1.4	9
28	%polynova_2way: A SAS macro for implementation of mixed models for metabolomics data. <i>PLoS ONE</i> , 2020, 15, e0244013.	1.1	9
29	Consumption of High-Fructose Corn Syrup Compared with Sucrose Promotes Adiposity and Increased Triglyceridemia but Comparable NAFLD Severity in Juvenile Iberian Pigs. <i>Journal of Nutrition</i> , 2021, 151, 1139-1149.	1.3	8
30	Gestational Hypoxia and Programming of Lung Metabolism. <i>Frontiers in Physiology</i> , 2019, 10, 1453.	1.3	7
31	Gestational long-term hypoxia induces metabolomic reprogramming and phenotypic transformations in fetal sheep pulmonary arteries. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 320, L770-L784.	1.3	7
32	Short- and long-term exposures of the synthetic cannabinoid 5F-APINAC induce metabolomic alterations associated with neurotransmitter systems and embryotoxicity confirmed by teratogenicity in zebrafish. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2021, 243, 109000.	1.3	7
33	Metabolomics Reveals Altered Hepatic Bile Acids, Gut Microbiome Metabolites, and Cell Membrane Lipids Associated with Marginal Vitamin A Deficiency in a Mongolian Gerbil Model. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e1901319.	1.5	6
34	Postprandial Dried Blood Spot-Based Nutritional Metabolomic Analysis Discriminates a High-Fat, High-Protein Meat-Based Diet from a High Carbohydrate Vegan Diet: A Randomized Controlled Crossover Trial. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2021, 121, 931-941.e2.	0.4	5
35	Participation of Undergraduate Students in a Controlled Feeding Study with Metabolomics Analysis to Enhance Learning of Metabolism. <i>Journal of Chemical Education</i> , 2020, 97, 1595-1603.	1.1	4
36	Multiassay nutritional metabolomics profiling of low vitamin A status versus adequacy is characterized by reduced plasma lipid mediators among lactating women in the Philippines: A pilot study. <i>Nutrition Research</i> , 2022, 104, 118-127.	1.3	4

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37	Modelling potential $\beta$ -carotene intake and cyanide exposure from consumption of biofortified cassava. <i>Journal of Nutritional Science</i> , 2013, 2, e6.	0.7	3
38	Reduced Plasma Lipid Mediators Are Directly Associated with Low Vitamin A Status in Women from Western Samar, Philippines. <i>Current Developments in Nutrition</i> , 2020, 4, nzaa041_031.	0.1	3
39	Comparison of High Fructose Corn Syrup Versus Sucrose Consumption on Non-Alcoholic Fatty Liver Disease in Juvenile Iberian Pigs. <i>Current Developments in Nutrition</i> , 2020, 4, nzaa050_014.	0.1	2
40	Rationale and design of a randomized controlled trial examining oral administration of bisphenol A on hepatic glucose production and skeletal muscle insulin sensitivity in adults. <i>Contemporary Clinical Trials Communications</i> , 2020, 17, 100549.	0.5	2
41	Determining retinol and $\alpha$ -hydroxyretinol concentrations in fish liver and fish liver oils. <i>FASEB Journal</i> , 2010, 24, 716.2.	0.2	2
42	First Trimester Metabolites Predict Gestational Diabetes Mellitus Diagnosis: A Case: Control Study (FS03-04-19). <i>Current Developments in Nutrition</i> , 2019, 3, nzz046.FS03-04-19.	0.1	1
43	Metabolomic Characterization of a Novel Pig Model of Pediatric Non-alcoholic Fatty Liver Disease (P08-131-19). <i>Current Developments in Nutrition</i> , 2019, 3, nzz044.P08-131-19.	0.1	1
44	Differential Effects of Fatty Acid Saturation and Chain Length on NASH in Juvenile Iberian Pigs. <i>Current Developments in Nutrition</i> , 2020, 4, nzaa050_005.	0.1	1
45	High Altitude Hypoxia Impacts Omega-3 Fatty Acid Metabolites in Plasma of Fetal and Newborn Sheep. <i>FASEB Journal</i> , 2018, 32, 858.5.	0.2	1
46	Vitamin A equivalence of carotenoids from high-carotenoid cassava in healthy well-nourished women. <i>FASEB Journal</i> , 2012, 26, lb319.	0.2	1
47	Utilization of Metabolomics to Teach Undergraduate Students Nutritional Metabolism (P07-006-19). <i>Current Developments in Nutrition</i> , 2019, 3, nzz032.P07-006-19.	0.1	0
48	A Diet-Induced Pediatric Model of Non Alcoholic Fatty Liver Disease Using Neonatal Iberian Pigs (OR26-02-19). <i>Current Developments in Nutrition</i> , 2019, 3, nzz033.OR26-02-19.	0.1	0
49	Metabolomics Investigation of Vitamin a Deficiency in a Rodent Model (P02-016-19). <i>Current Developments in Nutrition</i> , 2019, 3, nzz029.P02-016-19.	0.1	0
50	Western Diet-Induced Dysbiosis Is Associated with Intestinal Hyperplasia and Dysregulation of FXR-FGF19 Gene Expression in Juvenile Iberian Pigs (OR26-03-19). <i>Current Developments in Nutrition</i> , 2019, 3, nzz033.OR26-03-19.	0.1	0
51	Investigation of an Alternative Collection Method for Food Intake Biomarkers Discriminates a High Fat-High Protein Meat-Based Diet from a High Carbohydrate Vegan Diet. <i>Current Developments in Nutrition</i> , 2020, 4, nzaa056_023.	0.1	0
52	Identification of Potential Biomarkers for Early Prediction of Gestational Diabetes. <i>Current Developments in Nutrition</i> , 2020, 4, nzaa049_038.	0.1	0
53	Oxylipin responses to fasting and insulin infusion in a large mammalian model of fasting-induced insulin resistance, the northern elephant seal. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 321, R537-R546.	0.9	0
54	Effects of processing, cooking, and storage on $\beta$ -carotene retention and bioaccessibility in biofortified cassava ( <i>Manihot esculenta</i> ) (646.4). <i>FASEB Journal</i> , 2014, 28, 646.4.	0.2	0

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55	Long Term Hypoxia Reduces Levels of Oxylipins in Pulmonary Arteries and Venous Plasma of Fetal Sheep. FASEB Journal, 2019, 33, 550.5.	0.2	0
56	Long Term Hypoxia Reduces Antioxidant Levels and Causes a Glycolytic Shift in Neonatal Sheep Pulmonary arteries. FASEB Journal, 2019, 33, 550.6.	0.2	0
57	Gestational High Altitude Hypoxia and Metabolomic Reprogramming in Pulmonary Arteries from Fetal Sheep. FASEB Journal, 2020, 34, 1-1.	0.2	0