Michael R La Frano

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Strengthening the Immune System and Reducing Inflammation and Oxidative Stress through Diet and Nutrition: Considerations during the COVID-19 Crisis. Nutrients, 2020, 12, 1562.	4.1	488
2	Perinatal Exposure of Mice to the Pesticide DDT Impairs Energy Expenditure and Metabolism in Adult Female Offspring. PLoS ONE, 2014, 9, e103337.	2.5	135
3	Absorption, metabolism, and functions of \hat{l}^2 -cryptoxanthin. Nutrition Reviews, 2016, 74, 69-82.	5.8	134
4	Bioavailability of iron, zinc, and provitamin A carotenoids in biofortified staple crops. Nutrition Reviews, 2014, 72, 289-307.	5.8	131
5	Phytochemicals as modifiers of gut microbial communities. Food and Function, 2020, 11, 8444-8471.	4.6	85
6	Biofortified cassava increases β-carotene and vitamin A concentrations in the TAG-rich plasma layer of American women. British Journal of Nutrition, 2013, 110, 310-320.	2.3	62
7	Perinatal triphenyl phosphate exposure accelerates type 2 diabetes onset and increases adipose accumulation in UCD-type 2 diabetes mellitus rats. Reproductive Toxicology, 2017, 68, 119-129.	2.9	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. Nutrition Research, 2017, 46, 11-21.	2.9	44
9	Dose-related liver injury of Geniposide associated with the alteration in bile acid synthesis and transportation. Scientific Reports, 2017, 7, 8938.	3.3	41
10	Umbilical cord blood metabolomics reveal distinct signatures of dyslipidemia prior to bronchopulmonary dysplasia and pulmonary hypertension. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 315, L870-L881.	2.9	34
11	Obesity-induced changes in lipid mediators persist after weight loss. International Journal of Obesity, 2018, 42, 728-736.	3.4	33
12	Dysregulated FXR-FGF19 signaling and choline metabolism are associated with gut dysbiosis and hyperplasia in a novel pig model of pediatric NASH. American Journal of Physiology - Renal Physiology, 2020, 318, G582-G609.	3.4	27
13	Metabolic perturbations of postnatal growth restriction and hyperoxia-induced pulmonary hypertension in a bronchopulmonary dysplasia model. Metabolomics, 2017, 13, 1.	3.0	23
14	Impact of post-collection freezing delay on the reliability of serum metabolomics in samples reflecting the California mid-term pregnancy biobank. Metabolomics, 2018, 14, 151.	3.0	22
15	Relationship between the plasma acylcarnitine profile and cardiometabolic risk factors in adults diagnosed with cardiovascular diseases. Clinica Chimica Acta, 2020, 507, 250-256.	1.1	22
16	Assessment of tissue distribution and concentration of β-cryptoxanthin in response to varying amounts of dietary β-cryptoxanthin in the Mongolian gerbil. British Journal of Nutrition, 2014, 111, 968-978.	2.3	20
17	Neurodegeneration in juvenile Iberian pigs with diet-induced nonalcoholic fatty liver disease. American Journal of Physiology - Endocrinology and Metabolism, 2020, 319, E592-E606.	3.5	19
18	Diet Quality and Micronutrient Intake among Long-Term Weight Loss Maintainers. Nutrients, 2019, 11, 3046.	4.1	17

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19	Activation of Energy Metabolism through Growth Media Reformulation Enables a 24-Hour Workflow for Cell-Free Expression. ACS Synthetic Biology, 2020, 9, 2765-2774.	3.8	15
20	Interpretation of Serum Retinol Data From Latin America and the Caribbean. Food and Nutrition Bulletin, 2015, 36, S98-S108.	1.4	14
21	Discovery and biological relevance of 3,4-didehydroretinol (vitamin A ₂) in small indigenous fish species and its potential as a dietary source for addressing vitamin A deficiency. International Journal of Food Sciences and Nutrition, 2018, 69, 253-261.	2.8	14
22	Metabolites involved in purine degradation, insulin resistance, and fatty acid oxidation are associated with prediction of Gestational diabetes in plasma. Metabolomics, 2021, 17, 105.	3.0	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. Nutrients, 2021, 13, 4195.	4.1	13
24	Red palm oil–supplemented and biofortified cassava gari increase the carotenoid and retinyl palmitate concentrations of triacylglycerol-rich plasma in women. Nutrition Research, 2015, 35, 965-974.	2.9	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 (Danio rerio) embryos/larvae. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2021, 38, 100816.	1.0	11
26	Insulin induces a shift in lipid and primary carbon metabolites in a model of fasting-induced insulin resistance. Metabolomics, 2017, 13, 1.	3.0	9
27	Plasma metabolomic profile in prostatic intraepithelial neoplasia and prostate cancer and associations with the prostate-specific antigen and the Gleason score. Metabolomics, 2020, 16, 74.	3.0	9
28	%polynova_2way: A SAS macro for implementation of mixed models for metabolomics data. PLoS ONE, 2020, 15, e0244013.	2.5	9
29	Consumption of High-Fructose Corn Syrup Compared with Sucrose Promotes Adiposity and Increased Triglyceridemia but Comparable NAFLD Severity in Juvenile Iberian Pigs. Journal of Nutrition, 2021, 151, 1139-1149.	2.9	8
30	Gestational Hypoxia and Programing of Lung Metabolism. Frontiers in Physiology, 2019, 10, 1453.	2.8	7
31	Gestational long-term hypoxia induces metabolomic reprogramming and phenotypic transformations in fetal sheep pulmonary arteries. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 320, L770-L784.	2.9	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. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2021, 243, 109000.	2.6	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. Molecular Nutrition and Food Research, 2020, 64, e1901319.	3.3	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. Journal of the Academy of Nutrition and Dietetics, 2021, 121, 931-941.e2.	0.8	5
35	Participation of Undergraduate Students in a Controlled Feeding Study with Metabolomics Analysis to Enhance Learning of Metabolism. Journal of Chemical Education, 2020, 97, 1595-1603.	2.3	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. Nutrition Research, 2022, 104, 118-127.	2.9	4

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37	Modelling potential β-carotene intake and cyanide exposure from consumption of biofortified cassava. Journal of Nutritional Science, 2013, 2, e6.	1.9	3
38	Reduced Plasma Lipid Mediators Are Directly Associated with Low Vitamin A Status in Women from Western Samar, Philippines. Current Developments in Nutrition, 2020, 4, nzaa041_031.	0.3	3
39	Comparison of High Fructose Corn Syrup Versus Sucrose Consumption on Non-Alcoholic Fatty Liver Disease in Juvenile Iberian Pigs. Current Developments in Nutrition, 2020, 4, nzaa050_014.	0.3	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. Contemporary Clinical Trials Communications, 2020, 17, 100549.	1.1	2
41	Determining retinol and 3â€hydroxyâ€retinol concentrations in fish liver and fish liver oils. FASEB Journal, 2010, 24, 716.2.	0.5	2
42	First Trimester Metabolites Predict Gestational Diabetes Mellitus Diagnosis: A Case: Control Study (FS03-04-19). Current Developments in Nutrition, 2019, 3, nzz046.FS03-04-19.	0.3	1
43	Metabolomic Characterization of a Novel Pig Model of Pediatric Non-alcoholic Fatty Liver Disease (P08-131-19). Current Developments in Nutrition, 2019, 3, nzz044.P08-131-19.	0.3	1
44	Differential Effects of Fatty Acid Saturation and Chain Length on NASH in Juvenile Iberian Pigs. Current Developments in Nutrition, 2020, 4, nzaa050_005.	0.3	1
45	High Altitude Hypoxia Impacts Omegaâ€3 Fatty Acid Metabolites in Plasma of Fetal and Newborn Sheep. FASEB Journal, 2018, 32, 858.5.	0.5	1
46	Vitamin A equivalence of carotenoids from highâ€carotenoid cassava in healthy wellâ€nourished women. FASEB Journal, 2012, 26, lb319.	0.5	1
47	Utilization of Metabolomics to Teach Undergraduate Students Nutritional Metabolism (P07-006-19). Current Developments in Nutrition, 2019, 3, nzz032.P07-006-19.	0.3	Ο
48	A Diet-Induced Pediatric Model of Non Alcoholic Fatty Liver Disease Using Neonatal Iberian Pigs (OR26-02-19). Current Developments in Nutrition, 2019, 3, nzz033.OR26-02-19.	0.3	0
49	Metabolomics Investigation of Vitamin a Deficiency in a Rodent Model (P02-016-19). Current Developments in Nutrition, 2019, 3, nzz029.P02-016-19.	0.3	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). Current Developments in Nutrition, 2019, 3, nzz033.OR26-03-19.	0.3	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. Current Developments in Nutrition, 2020, 4, nzaa056_023.	0.3	0
52	Identification of Potential Biomarkers for Early Prediction of Gestational Diabetes. Current Developments in Nutrition, 2020, 4, nzaa049_038.	0.3	0
53	Oxylipin responses to fasting and insulin infusion in a large mammalian model of fasting-induced insulin resistance, the northern elephant seal. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2021, 321, R537-R546.	1.8	0
54	Effects of processing, cooking, and storage on βâ€carotene retention and bioaccessibility in biofortified cassava (Manihot esculenta) (646.4). FASEB Journal, 2014, 28, 646.4.	0.5	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.	0.5	0
56	Long Term Hypoxia Reduces Antioxidant Levels and Causes a Glycolytic Shift in Neonatal Sheep Pulmonary arteries. FASEB Journal, 2019, 33, 550.6.	0.5	0
57	Gestational Highâ€Altitude Hypoxia and Metabolomic Reprogramming in Pulmonary Arteries from Fetal Sheep. FASEB Journal, 2020, 34, 1-1.	0.5	0