

# Jose M Arbones-Mainar

## List of Publications by Year in descending order

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83  
papers

2,306  
citations

186209

28  
h-index

233338

45  
g-index

83  
all docs

83  
docs citations

83  
times ranked

3098  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Apolipoprotein E knock-out and knock-in mice: atherosclerosis, metabolic syndrome, and beyond. <i>Journal of Lipid Research</i> , 2009, 50, S178-S182.  | 2.0 | 133       |
| 2  | Microarray analysis of hepatic gene expression identifies new genes involved in steatotic liver. <i>Physiological Genomics</i> , 2009, 37, 187-198.   | 1.0 | 96        |
| 3  | Selective effect of conjugated linoleic acid isomers on atherosclerotic lesion development in apolipoprotein E knockout mice. <i>Atherosclerosis</i> , 2006, 189, 318-327.  | 0.4 | 91        |
| 4  | Pomegranate polyphenols and urolithin A inhibit $\alpha$ -glucosidase, dipeptidyl peptidase-4, lipase, triglyceride accumulation and adipogenesis related genes in 3T3-L1 adipocyte-like cells. <i>Journal of Ethnopharmacology</i> , 2018, 220, 67-74. | 2.0 | 91        |
| 5  | Differential modulation of diet-induced obesity and adipocyte functionality by human apolipoprotein E3 and E4 in mice. <i>International Journal of Obesity</i> , 2008, 32, 1595-1605.   | 1.6 | 80        |
| 6  | Maresin 1 improves insulin sensitivity and attenuates adipose tissue inflammation in ob/ob and diet-induced obese mice. <i>FASEB Journal</i> , 2017, 31, 2135-2145.   | 0.2 | 80        |
| 7  | Divergent mechanisms of cis 9, trans 11 and trans 10, cis 12 conjugated linoleic acid affecting insulin resistance and inflammation in apolipoprotein E knockout mice: a proteomics approach. <i>FASEB Journal</i> , 2005, 19, 1746-1748.               | 0.2 | 78        |
| 8  | Immune-regulation of the apolipoprotein A-I/C-III/A-IV gene cluster in experimental inflammation. <i>Cytokine</i> , 2005, 31, 52-63.  | 1.4 | 74        |
| 9  | Hydroxytyrosol Administration Enhances Atherosclerotic Lesion Development in Apo E Deficient Mice. <i>Journal of Biochemistry</i> , 2006, 140, 383-391.   | 0.9 | 72        |
| 10 | Bioactive properties of commercialised pomegranate ( <i>Punica granatum</i> ) juice: antioxidant, antiproliferative and enzyme inhibiting activities. <i>Food and Function</i> , 2015, 6, 2049-2057.  | 2.1 | 68        |
| 11 | Beyond the CNS: The many peripheral roles of APOE. <i>Neurobiology of Disease</i> , 2020, 138, 104809.  | 2.1 | 68        |
| 12 | Trans-10, cis-12- and cis-9, trans-11-Conjugated Linoleic Acid Isomers Selectively Modify HDL-Apolipoprotein Composition in Apolipoprotein E Knockout Mice. <i>Journal of Nutrition</i> , 2006, 136, 353-359.   | 1.3 | 63        |
| 13 | Phenolic compounds apigenin, hesperidin and kaempferol reduce in vitro lipid accumulation in human adipocytes. <i>Journal of Translational Medicine</i> , 2017, 15, 237.  | 1.8 | 62        |
| 14 | Extra Virgin Olive Oils Increase Hepatic Fat Accumulation and Hepatic Antioxidant Protein Levels in APOE Mice. <i>Journal of Proteome Research</i> , 2007, 6, 4041-4054.  | 1.8 | 58        |
| 15 | Squalene in a sex-dependent manner modulates atherosclerotic lesion which correlates with hepatic fat content in apoE-knockout male mice. <i>Atherosclerosis</i> , 2008, 197, 72-83.  | 0.4 | 54        |
| 16 | Dietary cholesterol suppresses the ability of olive oil to delay the development of atherosclerotic lesions in apolipoprotein E knockout mice. <i>Atherosclerosis</i> , 2005, 182, 17-28.   | 0.4 | 51        |
| 17 | GLIM Criteria at Hospital Admission Predict 8-Year All-Cause Mortality in Elderly Patients With Type 2 Diabetes Mellitus: Results From VIDA Study. <i>Journal of Parenteral and Enteral Nutrition</i> , 2020, 44, 1492-1500.                            | 1.3 | 49        |
| 18 | Olive oil preparation determines the atherosclerotic protection in apolipoprotein E knockout mice. <i>Journal of Nutritional Biochemistry</i> , 2007, 18, 418-424.  | 1.9 | 45        |

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|----|---|-----|-----------|
| 19 | Cystathionine $\beta$ -synthase is essential for female reproductive function. <i>Human Molecular Genetics</i> , 2006, 15, 3168-3176.   | 1.4 | 42        |
| 20 | Accelerated atherosclerosis in apolipoprotein E-deficient mice fed Western diets containing palm oil compared with extra virgin olive oils: A role for small, dense high-density lipoproteins. <i>Atherosclerosis</i> , 2007, 194, 372-382.                 | 0.4 | 39        |
| 21 | The Apolipoprotein E Polymorphism rs7412 Associates with Body Fatness Independently of Plasma Lipids in Middle Aged Men. <i>PLoS ONE</i> , 2014, 9, e108605.  | 1.1 | 37        |
| 22 | Metabolic shifts toward fatty-acid usage and increased thermogenesis are associated with impaired adipogenesis in mice expressing human APOE4. <i>International Journal of Obesity</i> , 2016, 40, 1574-1581.   | 1.6 | 36        |
| 23 | Application of the new ESPEN definition of malnutrition in geriatric diabetic patients during hospitalization: A multicentric study. <i>Clinical Nutrition</i> , 2016, 35, 1564-1567.   | 2.3 | 36        |
| 24 | Microarray analysis of hepatic genes differentially expressed in the presence of the unsaponifiable fraction of olive oil in apolipoprotein E-deficient mice. <i>British Journal of Nutrition</i> , 2007, 97, 628-638.                                      | 1.2 | 34        |
| 25 | Pomegranate juice and its main polyphenols exhibit direct effects on amine oxidases from human adipose tissue and inhibit lipid metabolism in adipocytes. <i>Journal of Functional Foods</i> , 2017, 33, 323-331.   | 1.6 | 33        |
| 26 | Piceatannol and resveratrol share inhibitory effects on hydrogen peroxide release, monoamine oxidase and lipogenic activities in adipose tissue, but differ in their antilipolytic properties. <i>Chemico-Biological Interactions</i> , 2016, 258, 115-125. | 1.7 | 32        |
| 27 | Apolipoprotein E4 association with metabolic syndrome depends on body fatness. <i>Atherosclerosis</i> , 2016, 245, 35-42.   | 0.4 | 32        |
| 28 | SARS-CoV-2 Infection Induces a Dual Response in Liver Function Tests: Association with Mortality during Hospitalization. <i>Biomedicines</i> , 2020, 8, 328.  | 1.4 | 32        |
| 29 | Human LDL Receptor Enhances Sequestration of ApoE4 and VLDL Remnants on the Surface of Hepatocytes but Not Their Internalization in Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 1104-1110.                                  | 1.1 | 30        |
| 30 | Impaired adipogenic response to thiazolidinediones in mice expressing human apolipoproteinE4. <i>FASEB Journal</i> , 2010, 24, 3809-3818.   | 0.2 | 30        |
| 31 | Understanding the role of dietary components on atherosclerosis using genetic engineered mouse models. <i>Frontiers in Bioscience - Landmark</i> , 2006, 11, 955.   | 3.0 | 29        |
| 32 | Apolipoprotein E4 Exaggerates Diabetic Dyslipidemia and Atherosclerosis in Mice Lacking the LDL Receptor. <i>Diabetes</i> , 2011, 60, 2285-2294.  | 0.3 | 29        |
| 33 | Sex as a Profound Modifier of Atherosclerotic Lesion Development in Apolipoprotein E-deficient Mice with Different Genetic Backgrounds. <i>Journal of Atherosclerosis and Thrombosis</i> , 2010, 17, 712-721.   | 0.9 | 29        |
| 34 | Limited beneficial effects of piceatannol supplementation on obesity complications in the obese Zucker rat: gut microbiota, metabolic, endocrine, and cardiac aspects. <i>Journal of Physiology and Biochemistry</i> , 2016, 72, 567-582.                   | 1.3 | 28        |
| 35 | Folic acid supplementation delays atherosclerotic lesion development in apoE-deficient mice. <i>Life Sciences</i> , 2007, 80, 638-643.  | 2.0 | 26        |
| 36 | Polymerase I and transcript release factor (PTRF) regulates adipocyte differentiation and determines adipose tissue expandability. <i>FASEB Journal</i> , 2014, 28, 3769-3779.  | 0.2 | 26        |

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|----|---|-----|-----------|
| 37 | Novel Phenolic Inhibitors of Small/Intermediate-Conductance Ca <sup>2+</sup> -Activated K <sup>+</sup> Channels, KCa3.1 and KCa2.3. PLoS ONE, 2013, 8, e58614.  | 1.1 | 25        |
| 38 | GLIM vs ESPEN criteria for the diagnosis of early malnutrition in oncological outpatients. Clinical Nutrition, 2021, 40, 3741-3747.   | 2.3 | 25        |
| 39 | Effects of adipocyte-secreted factors on decidualized endometrial cells: modulation of endometrial receptivity in vitro. Journal of Physiology and Biochemistry, 2015, 71, 537-546.   | 1.3 | 23        |
| 40 | The Dietary Antioxidant Piceatannol Inhibits Adipogenesis of Human Adipose Mesenchymal Stem Cells and Limits Glucose Transport and Lipogenic Activities in Adipocytes. International Journal of Molecular Sciences, 2018, 19, 2081.                           | 1.8 | 22        |
| 41 | Maresin 1 regulates insulin signaling in human adipocytes as well as in adipose tissue and muscle of lean and obese mice. Journal of Physiology and Biochemistry, 2021, 77, 167-173.  | 1.3 | 18        |
| 42 | Muscle Thickness and Echogenicity Measured by Ultrasound Could Detect Local Sarcopenia and Malnutrition in Older Patients Hospitalized for Hip Fracture. Nutrients, 2021, 13, 2401.   | 1.7 | 18        |
| 43 | The FAT expandability (FATe) Project: Biomarkers to determine the limit of expansion and the complications of obesity. Cardiovascular Diabetology, 2015, 14, 40.  | 2.7 | 17        |
| 44 | GLUT12 and adipose tissue: Expression, regulation and its relation with obesity in mice. Acta Physiologica, 2019, 226, e13283.  | 1.8 | 17        |
| 45 | Mini Nutritional Assessment –Short Form Is a Useful Malnutrition Screening Tool in Patients with Liver Cirrhosis, Using the Global Leadership Initiative for Malnutrition Criteria as the Gold Standard. Nutrition in Clinical Practice, 2021, 36, 1003-1010. | 1.1 | 16        |
| 46 | Response of ApoA-IV in pigs to long-term increased dietary oil intake and to the degree of unsaturation of the fatty acids. British Journal of Nutrition, 2004, 92, 763-769.  | 1.2 | 15        |
| 47 | Potential renoprotective effects of piceatannol in ameliorating the early-stage nephropathy associated with obesity in obese Zucker rats. Journal of Physiology and Biochemistry, 2016, 72, 555-566.  | 1.3 | 14        |
| 48 | Knockdown of PTRF ameliorates adipocyte differentiation and functionality of human mesenchymal stem cells. American Journal of Physiology - Cell Physiology, 2017, 312, C83-C91.  | 2.1 | 14        |
| 49 | Are Comorbidities Associated With Overall Survival in Patients With Oral Squamous Cell Carcinoma?. Journal of Oral and Maxillofacial Surgery, 2019, 77, 1906-1914.  | 0.5 | 13        |
| 50 | PTRF acts as an adipokine contributing to adipocyte dysfunctionality and ectopic lipid deposition. Journal of Physiology and Biochemistry, 2018, 74, 613-622.   | 1.3 | 12        |
| 51 | Genetically based hypertension generated through interaction of mild hypoalphalipoproteinemia and mild hyperhomocysteinemia. Journal of Hypertension, 2007, 25, 1597-1607.  | 0.3 | 11        |
| 52 | Age-related mortality in 61,993 confirmed COVID-19 cases over three epidemic waves in Aragon, Spain. Implications for vaccination programmes. PLoS ONE, 2021, 16, e0261061.   | 1.1 | 10        |
| 53 | Pharmacologic concentrations of linezolid modify oxidative phosphorylation function and adipocyte secretome. Redox Biology, 2017, 13, 244-254.  | 3.9 | 8         |
| 54 | Prevalence of Malnutrition and 1-Year All-Cause Mortality in Institutionalized Elderly Patients Comparing Different Combinations of the GLIM Criteria. Journal of Parenteral and Enteral Nutrition, 2021, 45, 1164-1171.                                      | 1.3 | 8         |

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|----|--|-----|-----------|
| 55 | Efectos adversos inmunomediados gastrointestinales y hepáticos inducidos por los inhibidores del punto de control inmunitario: estudio descriptivo observacional. <i>Gastroenterología Y Hepatología</i> , 2021, 44, 261-268.                        | 0.2 | 8         |
| 56 | Amino Acid Profile in Malnourished Patients with Liver Cirrhosis and Its Modification with Oral Nutritional Supplements: Implications on Minimal Hepatic Encephalopathy. <i>Nutrients</i> , 2021, 13, 3764.  | 1.7 | 8         |
| 57 | Randomized Clinical Trial: Effects of $\beta$ -Hydroxy- $\beta$ -Methylbutyrate (HMB)-Enriched vs. HMB-Free Oral Nutritional Supplementation in Malnourished Cirrhotic Patients. <i>Nutrients</i> , 2022, 14, 2344.                                  | 1.7 | 8         |
| 58 | Simvastatin reverses the hypertension of heterozygous mice lacking cystathionine $\beta$ -synthase and apolipoprotein A-I. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2008, 377, 35-43.   | 1.4 | 7         |
| 59 | Masseter Muscle Thickness Measured by Ultrasound as a Possible Link with Sarcopenia, Malnutrition and Dependence in Nursing Homes. <i>Diagnostics</i> , 2021, 11, 1587.  | 1.3 | 7         |
| 60 | Sex-dependent effect of liver growth factor on atherosclerotic lesions and fatty liver disease in apolipoprotein E knockout mice. <i>Histology and Histopathology</i> , 2010, 25, 609-18.  | 0.5 | 7         |
| 61 | Effects of the amino acid derivatives, $\beta$ -hydroxy- $\beta$ -methylbutyrate, taurine, and N-methyltyramine, on triacylglycerol breakdown in fat cells. <i>Journal of Physiology and Biochemistry</i> , 2019, 75, 263-273.                       | 1.3 | 6         |
| 62 | Successful deprescribing of proton pump inhibitors with a patient-centered process: the DESPIBP Project. <i>European Journal of Clinical Pharmacology</i> , 2021, 77, 1927-1933.   | 0.8 | 6         |
| 63 | Can Physical Activity Reduce the Risk of Cognitive Decline in Apolipoprotein e4 Carriers? A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 7238.  | 1.2 | 6         |
| 64 | Adiponectin overexpression in C2C12 myocytes increases lipid oxidation and myofiber transition. <i>Journal of Physiology and Biochemistry</i> , 2022, 78, 517-525.   | 1.3 | 6         |
| 65 | Comparison of different malnutrition screening tools according to GLIM criteria in cancer outpatients. <i>European Journal of Clinical Nutrition</i> , 2022, 76, 698-702.  | 1.3 | 6         |
| 66 | Identification of novel targets in adipose tissue involved in non-alcoholic fatty liver disease progression. <i>FASEB Journal</i> , 2022, 36, .  | 0.2 | 6         |
| 67 | Evaluation of Cardiovascular Risk Factors after Hepatitis C Virus Eradication with Direct-Acting Antivirals in a Cohort of Treatment-Naïve Patients without History of Cardiovascular Disease. <i>Journal of Clinical Medicine</i> , 2022, 11, 4049. | 1.0 | 6         |
| 68 | Rock tea ( <i>Jasonia glutinosa</i> (L.) DC.) polyphenolic extract inhibits triglyceride accumulation in 3T3-L1 adipocyte-like cells and obesity related enzymes in vitro. <i>Food and Function</i> , 2020, 11, 8931-8938.                           | 2.1 | 5         |
| 69 | Ultrasonographic Measurement of Masseter Muscle Thickness Associates with Oral Phase Dysphagia in Institutionalized Elderly Individuals. <i>Dysphagia</i> , 2021, 36, 1031-1039.   | 1.0 | 5         |
| 70 | Association of Cholesterol and Oxysterols in Adipose Tissue With Obesity and Metabolic Syndrome Traits. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, e3929-e3936.  | 1.8 | 5         |
| 71 | Neck circumference is associated with nutritional status in elderly nursing home residents. <i>Nutrition</i> , 2019, 62, 153-157.  | 1.1 | 4         |
| 72 | Genetic background in apolipoprotein A-I and cystathionine b-synthase deficiency. <i>Frontiers in Bioscience - Landmark</i> , 2008, Volume, 5155.  | 3.0 | 4         |

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|----|---|-----|-----------|
| 73 | Regulation of p27 and Cdk2 Expression in Different Adipose Tissue Depots in Aging and Obesity. International Journal of Molecular Sciences, 2021, 22, 11745.  | 1.8 | 4         |
| 74 | Nitric oxide-releasing agent, LA419, reduces atherogenesis in apolipoprotein E-deficient mice. Naunyn-Schmiedeberg's Archives of Pharmacology, 2009, 379, 489-500.  | 1.4 | 3         |
| 75 | Interaction of apolipoprotein E gene polymorphisms on miscarriage risk in black and white American women. Fertility and Sterility, 2016, 105, 1554-1560.e1.   | 0.5 | 3         |
| 76 | Gastrointestinal and liver immune-related adverse effects induced by immune checkpoint inhibitors: A descriptive observational study. Gastroenterology & Hepatology (English Edition), 2021, 44, 261-268. | 0.0 | 3         |
| 77 | Institutionalized elderly are able to detect small viscosity variations in thickened water with gum-based thickeners: Should texture classifications be reviewed?. BMC Geriatrics, 2021, 21, 647.         | 1.1 | 2         |
| 78 | The Effects of Olive Oils on Hepatic Lipid Metabolism and Antioxidant Defense Mechanisms. , 2010, , 887-894.  |     | 1         |
| 79 | Engineering and Biomedical Effects of Commercial Juices of Berries, Cherries, and Pomegranates With High Polyphenol Content. , 2019, , 259-283.   |     | 1         |
| 80 | Olive Oil Cultivars and Atherosclerotic Protection in Apolipoprotein E-knockout Mice. , 2010, , 845-852.  |     | 0         |
| 81 | Post-lunch triglyceridaemia associates with HDL and insulin resistance in fasting normotriglyceridaemic menopausal women. Journal of Human Nutrition and Dietetics, 2017, 30, 700-708.                    | 1.3 | 0         |
| 82 | GLIM versus ESPEN criteria for the diagnosis of early malnutrition in oncological outpatients.. Journal of Clinical Oncology, 2021, 39, e24065-e24065.  | 0.8 | 0         |
| 83 | Response to Malnutrition in patients with cirrhosis: Screen or treat? Nutrition in Clinical Practice, 2021, 36, 1093-1094.  | 1.1 | 0         |