# Ana Andres-Hernando

List of Publications by Year
in descending order



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|---|---|---|---|
| 65 papers | 3,784 citations | 101543<br>36 h-index | 128289<br>60 g-index |
| 67 all docs | 67 docs citations | 67 times ranked | 5201 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Current Hydration Habits: The Disregarded Factor for the Development of Renal and Cardiometabolic Diseases. Nutrients, 2022, 14, 2070. | 4.1 | 5 |
| 2 | Vasopressin mediates fructose-induced metabolic syndrome by activating the V1b receptor. JCI Insight, 2021, 6, . | 5.0 | 32 |
| 3 | Hyperuricemia and chronic kidney disease: to treat or not to treat. Jornal Brasileiro De Nefrologia: Orgao Oficial De Sociedades Brasileira E Latino-Americana De Nefrologia, 2021, 43, 572-579. | 0.9 | 16 |
| 4 | Endogenous Fructose Metabolism Could Explain the Warburg Effect and the Protection of SGLT2 Inhibitors in Chronic Kidney Disease. Frontiers in Immunology, 2021, 12, 694457. | 4.8 | 17 |
| 5 | The Speed of Ingestion of a Sugary Beverage Has an Effect on the Acute Metabolic Response to Fructose. Nutrients, 2021, 13, 1916. | 4.1 | 12 |
| 6 | The role of thrifty genes in the origin of alcoholism: A narrative review and hypothesis. Alcoholism: Clinical and Experimental Research, 2021, 45, 1519-1526. | 2.4 | 2 |
| 7 | A Novel Treatment for Glomerular Disease: Targeting the Activated Macrophage Folate Receptor with a Trojan Horse Therapy in Rats. Cells, 2021, 10, 2113. | 4.1 | 2 |
| 8 | Umami-induced obesity and metabolic syndrome is mediated by nucleotide degradation and uric acid generation. Nature Metabolism, 2021, 3, 1189-1201. | 11.9 | 33 |
| 9 | Fructose metabolism as a common evolutionary pathway of survival associated with climate change, food shortage and droughts. Journal of Internal Medicine, 2020, 287, 252-262. | 6.0 | 73 |
| 10 | Fructose contributes to the Warburg effect for cancer growth. Cancer & Metabolism, 2020, 8, 16. | 5.0 | 76 |
| 11 | Hyperosmolarity and Increased Serum Sodium Concentration Are Risks for Developing Hypertension Regardless of Salt Intake: A Five-Year Cohort Study in Japan. Nutrients, 2020, 12, 1422. | 4.1 | 12 |
| 12 | Sugar causes obesity and metabolic syndrome in mice independently of sweet taste. American Journal of Physiology - Endocrinology and Metabolism, 2020, 319, E276-E290. | 3.5 | 15 |
| 13 | Deletion of Fructokinase in the Liver or in the Intestine Reveals Differential Effects on Sugar-Induced Metabolic Dysfunction. Cell Metabolism, 2020, 32, 117-127.e3. | 16.2 | 70 |
| 14 | Uric acid and hypertension. Hypertension Research, 2020, 43, 832-834. | 2.7 | 58 |
| 15 | Fructose Production and Metabolism in the Kidney. Journal of the American Society of Nephrology: JASN, 2020, 31, 898-906. | 6.1 | 50 |
| 16 | The Optimal Range of Serum Uric Acid for Cardiometabolic Diseases: A 5-Year Japanese Cohort Study. Journal of Clinical Medicine, 2020, 9, 942. | 2.4 | 36 |
| 17 | Increase of core temperature affected the progression of kidney injury by repeated heat stress exposure. American Journal of Physiology - Renal Physiology, 2019, 317, F1111-F1121. | 2.7 | 46 |
| 18 | Obesity causes renal mitochondrial dysfunction and energy imbalance and accelerates chronic kidney disease in mice. American Journal of Physiology - Renal Physiology, 2019, 317, F941-F948. | 2.7 | 32 |

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|---|---|---|---|
| 19 | Allopurinol Prevents the Lipogenic Response Induced by an Acute Oral Fructose Challenge in Short-Term Fructose Fed Rats. Biomolecules, 2019, 9, 601. | 4.0 | 13 |
| 20 | Fasting blood glucose is predictive of hypertension in a general Japanese population. Journal of Hypertension, 2019, 37, 167-174. | 0.5 | 42 |
| 21 | Endogenous fructose production. Current Opinion in Clinical Nutrition and Metabolic Care, 2019, 22, 289-294. | 2.5 | 27 |
| 22 | Uric acid activates aldose reductase and the polyol pathway for endogenous fructose and fat production causing development of fatty liver in rats. Journal of Biological Chemistry, 2019, 294, 4272-4281. | 3.4 | 78 |
| 23 | High salt intake causes leptin resistance and obesity in mice by stimulating endogenous fructose production and metabolism. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3138-3143. | 7.1 | 183 |
| 24 | Uric Acid Is a Strong Risk Marker for Developing Hypertension From Prehypertension. Hypertension, 2018, 71, 78-86. | 2.7 | 159 |
| 25 | Different effects of global osteopontin and macrophage osteopontin in glomerular injury. American Journal of Physiology - Renal Physiology, 2018, 315, F759-F768. | 2.7 | 15 |
| 26 | Rehydration with fructose worsens dehydration-induced renal damage. BMC Nephrology, 2018, 19, 180. | 1.8 | 12 |
| 27 | Upregulation of CD80 on glomerular podocytes plays an important role in development of proteinuria following pig-to-baboon xeno-renal transplantation - an experimental study. Transplant International, 2018, 31, 1164-1177. | 1.6 | 29 |
| 28 | Increased Serum Uric Acid over five years is a Risk Factor for Developing Fatty Liver. Scientific Reports, 2018, 8, 11735. | 3.3 | 31 |
| 29 | Ketohexokinase C blockade ameliorates fructose-induced metabolic dysfunction in fructose-sensitive mice. Journal of Clinical Investigation, 2018, 128, 2226-2238. | 8.2 | 89 |
| 30 | Protective role of fructokinase blockade in the pathogenesis of acute kidney injury in mice. Nature Communications, 2017, 8, 14181. | 12.8 | 75 |
| 31 | Role of fructose and fructokinase in acute dehydration-induced vasopressin gene expression and secretion in mice. Journal of Neurophysiology, 2017, 117, 646-654. | 1.8 | 44 |
| 32 | Circulating IL-6 upregulates IL-10 production in splenic CD4+ T cells and limits acute kidney injuryâ€"induced lung inflammation. Kidney International, 2017, 91, 1057-1069. | 5.2 | 43 |
| 33 | Dietary and commercialized fructose: Sweet or sour?. International Urology and Nephrology, 2017, 49, 1611-1620. | 1.4 | 25 |
| 34 | Asymptomatic Hyperuricemia Without Comorbidities Predicts Cardiometabolic Diseases. Hypertension, 2017, 69, 1036-1044. | 2.7 | 160 |
| 35 | Effects of exogenous desmopressin on a model of heat stress nephropathy in mice. American Journal of Physiology - Renal Physiology, 2017, 312, F418-F426. | 2.7 | 31 |
| 36 | Elevated Serum Uric Acid Level Predicts Rapid Decline in Kidney Function. American Journal of Nephrology, 2017, 45, 330-337. | 3.1 | 57 |

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| 37 | Early peritoneal dialysis reduces lung inflammation in mice with ischemic acute kidney injury. Kidney International, 2017, 92, 365-376. | 5.2 | 17 |
| 38 | â€œMetabolically Healthyâ€•Obesity and Hyperuricemia Increase Risk for Hypertension and Diabetes: 5â€year Japanese Cohort Study. Obesity, 2017, 25, 1997-2008. | 3.0 | 53 |
| 39 | Increased Serum Sodium and Serum Osmolarity Are Independent Risk Factors for Developing Chronic Kidney Disease; 5 Year Cohort Study. PLoS ONE, 2017, 12, e0169137. | 2.5 | 49 |
| 40 | Climate Change and the Emergent Epidemic of CKD from Heat Stress in Rural Communities: The Case for Heat Stress Nephropathy. Clinical Journal of the American Society of Nephrology: CJASN, 2016, 11, 1472-1483. | 4.5 | 284 |
| 41 | Delivery of interleukin-10 via injectable hydrogels improves renal outcomes and reduces systemic inflammation following ischemic acute kidney injury in mice. American Journal of Physiology - Renal Physiology, 2016, 311, F362-F372. | 2.7 | 50 |
| 42 | Prolonged acute kidney injury exacerbates lung inflammation at 7Âdays post-acute kidney injury. Physiological Reports, 2014, 2, e12084. | 1.7 | 33 |
| 43 | Endogenous Fructose Production and Fructokinase Activation Mediate Renal Injury in Diabetic Nephropathy. Journal of the American Society of Nephrology: JASN, 2014, 25, 2526-2538. | 6.1 | 127 |
| 44 | Inorganic Phosphate Modulates the Expression of the NaPi-2a Transporter in thetrans-Golgi Network and the Interaction with PIST in the Proximal Tubule. BioMed Research International, 2013, 2013, 1-9. | 1.9 | 13 |
| 45 | Heparanase mediates renal dysfunction during early sepsis in mice. Physiological Reports, 2013, 1, e00153. | 1.7 | 61 |
| 46 | Intratracheal IL-6 Protects against Lung Inflammation in Direct, but Not Indirect, Causes of Acute Lung Injury in Mice. PLoS ONE, 2013, 8, e61405. | 2.5 | 65 |
| 47 | Acute Lung Injury and Acute Kidney Injury Are Established by Four Hours in Experimental Sepsis and Are Improved with Pre, but Not Post, Sepsis Administration of TNF-Î± Antibodies. PLoS ONE, 2013, 8, e79037. | 2.5 | 76 |
| 48 | Circulating IL-6 mediates lung injury via CXCL1 production after acute kidney injury in mice. American Journal of Physiology - Renal Physiology, 2012, 303, F864-F872. | 2.7 | 108 |
| 49 | Macrophages mediate lung inflammation in a mouse model of ischemic acute kidney injury. American Journal of Physiology - Renal Physiology, 2012, 302, F421-F432. | 2.7 | 43 |
| 50 | Depletion of Macrophages and Dendritic Cells in Ischemic Acute Kidney Injury. American Journal of Nephrology, 2012, 35, 181-190. | 3.1 | 50 |
| 51 | Cytokine production increases and cytokine clearance decreases in mice with bilateral nephrectomy. Nephrology Dialysis Transplantation, 2012, 27, 4339-4347. | 0.7 | 82 |
| 52 | Counteracting Roles of AMP Deaminase and AMP Kinase in the Development of Fatty Liver. PLoS ONE, 2012, 7, e48801. | 2.5 | 159 |
| 53 | Uric Acid Stimulates Fructokinase and Accelerates Fructose Metabolism in the Development of Fatty Liver. PLoS ONE, 2012, 7, e47948. | 2.5 | 207 |
| 54 | Sucrose induces fatty liver and pancreatic inflammation in male breeder rats independent of excess energy intake. Metabolism: Clinical and Experimental, 2011, 60, 1259-1270. | 3.4 | 141 |

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| 55 | IL-33 Exacerbates Acute Kidney Injury. Journal of the American Society of Nephrology: JASN, 2011, 22, 2057-2067. | 6.1 | 128 |
| 56 | Splenectomy exacerbates lung injury after ischemic acute kidney injury in mice. American Journal of Physiology - Renal Physiology, 2011, 301, F907-F916. | 2.7 | 69 |
| 57 | The Expression of Aquaporin-1 in the Medulla of the Kidney Is Dependent on the Transcription Factor Associated with Hypertonicity, TonEBP. Journal of Biological Chemistry, 2010, 285, 31694-31703. | 3.4 | 50 |
| 58 | Effects of 2-Bromoethanamine on TonEBP Expression and Its Possible Role in Induction of Renal Papillary Necrosis in Mice. Toxicological Sciences, 2010, 118, 510-520. | 3.1 | 3 |
| 59 | Urine interleukin-6 is an early biomarker of acute kidney injury in children undergoing cardiac surgery. Critical Care, 2010, 14, R181. | 5.8 | 76 |
| 60 | ZAC1 Is Up-regulated by Hypertonicity and Decreases Sorbitol Dehydrogenase Expression, Allowing Accumulation of Sorbitol in Kidney Cells. Journal of Biological Chemistry, 2009, 284, 19974-19981. | 3.4 | 9 |
| 61 | ZAC1 is upâ€regulated by hypertonicity and decreases sorbitol dehydrogenase expression allowing accumulation of sorbitol in kidney cells. FASEB Journal, 2009, 23, 1001.8. | 0.5 | 0 |
| 62 | Hypertonic stress increases claudin-4 expression and tight junction integrity in association with MUPP1 in IMCD3 cells. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15797-15802. | 7.1 | 44 |
| 63 | Nucleoporin 88 (Nup88) Is Regulated by Hypertonic Stress in Kidney Cells to Retain the Transcription Factor Tonicity Enhancer-binding Protein (TonEBP) in the Nucleus. Journal of Biological Chemistry, 2008, 283, 25082-25090. | 3.4 | 17 |
| 64 | Expression of the Calcium-binding Protein S100A4 Is Markedly Up-regulated by Osmotic Stress and Is Involved in the Renal Osmoadaptive Response. Journal of Biological Chemistry, 2007, 282, 6644-6652. | 3.4 | 26 |
| 65 | The tight junction protein, MUPP1, is up-regulated by hypertonicity and is important in the osmotic stress response in kidney cells. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 13672-13677. | 7.1 | 42 |