Laura Gabriela SÃ¡nchez Lozada

List of Publications by Year
in descending order

83 papers	5,064 citations	117619 34 h-index	91872 69 g-index
83 all docs	83 docs citations	83 times ranked	6325 citing authors

#	Article	IF	Citations
1	Sugar, Uric Acid, and the Etiology of Diabetes and Obesity. Diabetes, 2013, 62, 3307-3315.	0.6	568
2	Uric acid and chronic kidney disease: which is chasing which?. Nephrology Dialysis Transplantation, 2013, 28, 2221-2228.	0.7	466
3	Hypothesis: Could Excessive Fructose Intake and Uric Acid Cause Type 2 Diabetes?. Endocrine Reviews, 2009, 30, 96-116.	20.1	418
4	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
5	Uric Acid-Induced Endothelial Dysfunction Is Associated with Mitochondrial Alterations and Decreased Intracellular ATP Concentrations. Nephron Experimental Nephrology, 2013, 121, e71-e78.	2.2	244
6	Effect of lowering uric acid on renal disease in the type 2 diabetic<i>db/db</i>mice. American Journal of Physiology - Renal Physiology, 2009, 297, F481-F488.	2.7	161
7	Dietary fructose causes tubulointerstitial injury in the normal rat kidney. American Journal of Physiology - Renal Physiology, 2010, 298, F712-F720.	2.7	144
8	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
9	The Effect of Fructose on Renal Biology and Disease. Journal of the American Society of Nephrology: JASN, 2010, 21, 2036-2039.	6.1	133
10	The case for uric acid-lowering treatment in patients with hyperuricaemia and CKD. Nature Reviews Nephrology, 2019, 15, 767-775.	9.6	122
11	Lessons from comparative physiology: could uric acid represent a physiologic alarm signal gone awry in western society?. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2009, 179, 67-76.	1.5	117
12	Uric Acid as a Cause of the Metabolic Syndrome. Contributions To Nephrology, 2018, 192, 88-102.	1.1	108
13	Pathogenesis of essential hypertension: historical paradigms and modern insights. Journal of Hypertension, 2008, 26, 381-391.	0.5	105
14	Uric Acid and the Origins of Hypertension. Journal of Pediatrics, 2013, 162, 896-902.	1.8	101
15	Curcumin prevents cisplatin-induced renal alterations in mitochondrial bioenergetics and dynamic. Food and Chemical Toxicology, 2017, 107, 373-385.	3.6	90
16	Protective effects of N-acetyl-cysteine in mitochondria bioenergetics, oxidative stress, dynamics and S-glutathionylation alterations in acute kidney damage induced by folic acid. Free Radical Biology and Medicine, 2019, 130, 379-396.	2.9	87
17	Curcumin prevents mitochondrial dynamics disturbances in early 5/6 nephrectomy: Relation to oxidative stress and mitochondrial bioenergetics. BioFactors, 2017, 43, 293-310.	5.4	75
18	Rehydration with soft drink-like beverages exacerbates dehydration and worsens dehydration-associated renal injury. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 311, R57-R65.	1.8	68

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19	Microvascular disease and its role in the brain and cardiovascular system: a potential role for uric acid as a cardiorenal toxin. Nephrology Dialysis Transplantation, 2011, 26, 430-437.	0.7	66
20	Uric Acid â€“ A Uremic Toxin?. Blood Purification, 2006, 24, 67-70.	1.8	65
21	Redefining metabolic syndrome as a fat storage condition based on studies of comparative physiology. Obesity, 2013, 21, 659-664.	3.0	57
22	Synergistic effect of uricase blockade plus physiological amounts of fructose-glucose on glomerular hypertension and oxidative stress in rats. American Journal of Physiology - Renal Physiology, 2013, 304, F727-F736.	2.7	57
23	Probiotic supplements prevented oxonic acid-induced hyperuricemia and renal damage. PLoS ONE, 2018, 13, e0202901.	2.5	57
24	Uric Acid and Fructose: Potential Biological Mechanisms. Seminars in Nephrology, 2011, 31, 426-432.	1.6	53
25	Fructose Production and Metabolism in the Kidney. Journal of the American Society of Nephrology: JASN, 2020, 31, 898-906.	6.1	50
26	A pilot study on the impact of a low fructose diet and allopurinol on clinic blood pressure among overweight and prehypertensive subjects: a randomized placebo controlled trial. Journal of the American Society of Hypertension, 2015, 9, 837-844.	2.3	48
27	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
28	Opposing Activity Changes in AMP Deaminase and AMP-Activated Protein Kinase in the Hibernating Ground Squirrel. PLoS ONE, 2015, 10, e0123509.	2.5	42
29	Mitochondrial bioenergetics, redox state, dynamics and turnover alterations in renal mass reduction models of chronic kidney diseases and their possible implications in the progression of this illness. Pharmacological Research, 2018, 135, 1-11.	7.1	42
30	The conundrum of hyperuricemia, metabolic syndrome, and renal disease. Internal and Emergency Medicine, 2008, 3, 313-318.	2.0	41
31	Combination of Captopril and Allopurinol Retards Fructose-Induced Metabolic Syndrome. American Journal of Nephrology, 2009, 30, 399-404.	3.1	41
32	The discovery of hypertension: evolving views on the role of the kidneys, and current hot topics. American Journal of Physiology - Renal Physiology, 2015, 308, F167-F178.	2.7	41
33	Fasting reduces oxidative stress, mitochondrial dysfunction and fibrosis induced by renal ischemia-reperfusion injury. Free Radical Biology and Medicine, 2019, 135, 60-67.	2.9	40
34	Anti-Inflammatory Therapy Modulates Nrf2-Keap1 in Kidney from Rats with Diabetes. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-11.	4.0	39
35	Chronic impairment of mitochondrial bioenergetics and Î²-oxidation promotes experimental AKI-to-CKD transition induced by folic acid. Free Radical Biology and Medicine, 2020, 154, 18-32.	2.9	38
36	Uric Acid. Hypertension, 2011, 58, 548-549.	2.7	36

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37	Experimental heat stress nephropathy and liver injury are improved by allopurinol. American Journal of Physiology - Renal Physiology, 2018, 315, F726-F733.	2.7	36
38	High Fructose Intake and Adipogenesis. International Journal of Molecular Sciences, 2019, 20, 2787.	4.1	35
39	The nephroprotection exerted by curcumin in maleateâ€induced renal damage is associated with decreased mitochondrial fission and autophagy. BioFactors, 2016, 42, 686-702.	5.4	34
40	Immunomodulatory Effects of the Nutraceutical Garlic Derivative Allicin in the Progression of Diabetic Nephropathy. International Journal of Molecular Sciences, 2018, 19, 3107.	4.1	33
41	Umami-induced obesity and metabolic syndrome is mediated by nucleotide degradation and uric acid generation. Nature Metabolism, 2021, 3, 1189-1201.	11.9	33
42	Contribution of renal purinergic receptors to renal vasoconstriction in angiotensin II-induced hypertensive rats. American Journal of Physiology - Renal Physiology, 2011, 300, F1301-F1309.	2.7	32
43	Vasopressin mediates fructose-induced metabolic syndrome by activating the V1b receptor. JCI Insight, 2021, 6, .	5.0	32
44	Pathophysiologic insight into MesoAmerican nephropathy. Current Opinion in Nephrology and Hypertension, 2017, 26, 296-302.	2.0	29
45	The Beneficial Effects of Allicin in Chronic Kidney Disease Are Comparable to Losartan. International Journal of Molecular Sciences, 2017, 18, 1980.	4.1	28
46	How safe is fructose for persons with or without diabetes?. American Journal of Clinical Nutrition, 2008, 88, 1189-90.	4.7	26
47	Sulforaphane prevents maleic acid-induced nephropathy by modulating renal hemodynamics, mitochondrial bioenergetics and oxidative stress. Food and Chemical Toxicology, 2018, 115, 185-197.	3.6	25
48	Umami: The Taste That Drives Purine Intake. Journal of Rheumatology, 2013, 40, 1794-1796.	2.0	24
49	Effects of Allicin on Pathophysiological Mechanisms during the Progression of Nephropathy Associated to Diabetes. Antioxidants, 2020, 9, 1134.	5.1	23
50	Chronic inhibition of NOS-2 ameliorates renal injury, as well as COX-2 and TGF-Â1 overexpression in 5/6 nephrectomized rats. Nephrology Dialysis Transplantation, 2006, 21, 3074-3081.	0.7	22
51	Climate change and nephrology. Nephrology Dialysis Transplantation, 2023, 38, 41-48.	0.7	21
52	Renal tight junction proteins are decreased in cisplatin-induced nephrotoxicity in rats. Toxicology Mechanisms and Methods, 2014, 24, 520-528.	2.7	20
53	Kidney Injury from Recurrent Heat Stress and Rhabdomyolysis: Protective Role of Allopurinol and Sodium Bicarbonate. American Journal of Nephrology, 2018, 48, 339-348.	3.1	19
54	The Pathophysiology of Uric Acid on Renal Diseases. Contributions To Nephrology, 2018, 192, 17-24.	1.1	18

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55	A ketogenic diet attenuates acute and chronic ischemic kidney injury and reduces markers of oxidative stress and inflammation. Life Sciences, 2022, 289, 120227.	4.3	18
56	Urinary Excretion of Neutrophil Gelatinase-Associated Lipocalin in Diabetic Rats. Oxidative Medicine and Cellular Longevity, 2014, 2014, 1-11.	4.0	16
57	Protection against renal ischemia and reperfusion injury by short-term time-restricted feeding involves the mitochondrial unfolded protein response. Free Radical Biology and Medicine, 2020, 154, 75-83.	2.9	16
58	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
59	Mini Review: Reappraisal of Uric Acid in Chronic Kidney Disease. American Journal of Nephrology, 2021, 52, 837-844.	3.1	16
60	Uric Acid, Vascular Stiffness, and Chronic Kidney Disease: Is There a Link?. Blood Purification, 2017, 43, 189-195.	1.8	15
61	Temporal Alterations in Mitochondrial Î²-Oxidation and Oxidative Stress Aggravate Chronic Kidney Disease Development in 5/6 Nephrectomy Induced Renal Damage. International Journal of Molecular Sciences, 2020, 21, 6512.	4.1	15
62	Temporal characterization of mitochondrial impairment in the unilateral ureteral obstruction model in rats. Free Radical Biology and Medicine, 2021, 172, 358-371.	2.9	15
63	Uric acid and Metabolic Syndrome: What is the Relationship?. Current Rheumatology Reviews, 2011, 7, 162-169.	0.8	14
64	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
65	Uric Acid: More to Learn, More Experiments to Do. American Journal of Hypertension, 2009, 22, 952-953.	2.0	12
66	Mechanisms of Fasting-Mediated Protection against Renal Injury and Fibrosis Development after Ischemic Acute Kidney Injury. Biomolecules, 2019, 9, 404.	4.0	12
67	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
68	Osthol Ameliorates Kidney Damage and Metabolic Syndrome Induced by a High-Fat/High-Sugar Diet. International Journal of Molecular Sciences, 2021, 22, 2431.	4.1	12
69	Progressive Reduction in Mitochondrial Mass Is Triggered by Alterations in Mitochondrial Biogenesis and Dynamics in Chronic Kidney Disease Induced by 5/6 Nephrectomy. Biology, 2021, 10, 349.	2.8	12
70	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
71	Extracellular Vesicles in Redox Signaling and Metabolic Regulation in Chronic Kidney Disease. Antioxidants, 2022, 11, 356.	5.1	9
72	A Role for Both V1a and V2 Receptors in Renal Heat Stress Injury Amplified by Rehydration with Fructose. International Journal of Molecular Sciences, 2019, 20, 5764.	4.1	8

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73	Fructose Likely Does Have a Role in Hypertension. Hypertension, 2012, 59, e54; author reply e55-6.	2.7	6
74	Hyperuricemia is Associated with Increased Apo AI Fractional Catabolic Rates and Dysfunctional HDL in New Zealand Rabbits. Lipids, 2017, 52, 999-1006.	1.7	6
75	Fructose tolerance test in obese people with and without type 2 diabetes. Journal of Diabetes, 2020, 12, 197-204.	1.8	5
76	Mitochondrial Transplantation: Is It a Feasible Therapy to Prevent the Cardiorenal Side Effects of Cisplatin?. Future Pharmacology, 2021, 1, 3-26.	1.8	5
77	Current Hydration Habits: The Disregarded Factor for the Development of Renal and Cardiometabolic Diseases. Nutrients, 2022, 14, 2070.	4.1	5
78	Fluid Intake Restriction Concomitant to Sweetened Beverages Hydration Induce Kidney Damage. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-11.	4.0	4
79	Sirtuin deficiency and the adverse effects of fructose and uric acid synthesis. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2022, 322, R347-R359.	1.8	4
80	Restricted Water Intake and Hydration with Fructose-Containing Beverages during Infancy Predispose to Aggravate an Acute Renal Ischemic Insult in Adolescent Rats. BioMed Research International, 2020, 2020, 1-10.	1.9	3
81	The Rediscovery of Uric Acid in Cardiorenal Disease: Introduction. Seminars in Nephrology, 2011, 31, 391-393.	1.6	2
82	Type 2 Diabetes Mellitus is Associated with Carotid Artery Plaques in Patients with Premature Coronary Heart Disease. Revista De Investigacion Clinica, 2018, 70, 301-309.	0.4	2
83	High fructose exposure modifies the amount of adipocyte-secreted microRNAs into extracellular vesicles in supernatants and plasma. PeerJ, 2021, 9, e11305.	2.0	0