

# Anna Hernández-Aguilera

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

1,265  
citations

471061

17  
h-index

395343

33  
g-index

60  
all docs

60  
docs citations

60  
times ranked

2432  
citing authors

#	ARTICLE	IF	CITATIONS
1	Laparoscopic Sleeve Gastrectomy in Patients with Severe Obesity Restores Adaptive Responses Leading to Nonalcoholic Steatohepatitis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7830.	1.8	4
2	Clinical value of procalcitonin in critically ill patients infected by SARS-CoV-2. <i>American Journal of Emergency Medicine</i> , 2021, 46, 525-531.	0.7	13
3	Influence of Surgical Procedures on Serum Paraoxonase-1-Related Variables and Markers of Inflammation in Hospitalized Patients. <i>Journal of Investigative Surgery</i> , 2021, 34, 216-224.	0.6	11
4	Hepatic metabolic adaptation and adipose tissue expansion are altered in mice with steatohepatitis induced by high-fat high sucrose diet. <i>Journal of Nutritional Biochemistry</i> , 2021, 89, 108559.	1.9	15
5	Laparoscopic sleeve gastrectomy alters <sup>1</sup> H-NMR-measured lipoprotein and glycoprotein profile in patients with severe obesity and nonalcoholic fatty liver disease. <i>Scientific Reports</i> , 2021, 11, 1343.	1.6	6
6	Nonalcoholic Steatohepatitis Modifies Serum Iron-Related Variables in Patients with Morbid Obesity. <i>Biological Trace Element Research</i> , 2021, 199, 4555-4563.	1.9	6
7	Coupling Machine Learning and Lipidomics as a Tool to Investigate Metabolic Dysfunction-Associated Fatty Liver Disease. A General Overview. <i>Biomolecules</i> , 2021, 11, 473.	1.8	10
8	First and second waves of coronavirus disease-19: A comparative study in hospitalized patients in Reus, Spain. <i>PLoS ONE</i> , 2021, 16, e0248029.	1.1	206
9	Identification of potential metabolic biomarkers of rectal cancer and of the effect of neoadjuvant radiochemotherapy. <i>PLoS ONE</i> , 2021, 16, e0250453.	1.1	12
10	TEMPORARY REMOVAL: Glutaminolysis-induced mTORC1 activation drives non-alcoholic steatohepatitis progression. <i>Journal of Hepatology</i> , 2021, , .	1.8	3
11	Clinical Performance of Paraoxonase-1-Related Variables and Novel Markers of Inflammation in Coronavirus Disease-19. A Machine Learning Approach. <i>Antioxidants</i> , 2021, 10, 991.	2.2	14
12	On the Role of Paraoxonase-1 and Chemokine Ligand 2 (C-C motif) in Metabolic Alterations Linked to Inflammation and Disease. A 2021 Update. <i>Biomolecules</i> , 2021, 11, 971.	1.8	21
13	Clinical performance of the Elecsys <sup>®</sup> anti-SARS-CoV-2 combined in an algorithm with two specific anti-IgG immunoassays for the evaluation of the serological response of patients with COVID-19 in a population with a high prevalence of infection. <i>Annals of Clinical Biochemistry</i> , 2021, 58, 614-621.	0.8	1
14	Phenotypic, morphological, and metabolic characterization of vascular <sup>+</sup> spheres from human vascular mesenchymal stem cells. <i>Microscopy Research and Technique</i> , 2021, , .	1.2	3
15	Chemokine (C-C motif) ligand 2 and coronary artery disease: Tissue expression of functional and atypical receptors. <i>Cytokine</i> , 2020, 126, 154923.	1.4	11
16	Plasma metabolic alterations in patients with severe obesity and non <sup>+</sup> alcoholic steatohepatitis. <i>Alimentary Pharmacology and Therapeutics</i> , 2020, 51, 374-387.	1.9	20
17	Alterations in plasma concentrations of energy-balance-related metabolites in patients with lung, or head & neck, cancers: Effects of radiotherapy. <i>Journal of Proteomics</i> , 2020, 213, 103605.	1.2	10
18	Chemokine C <sup>+</sup> C motif ligand 2 overexpression drives tissue-specific metabolic responses in the liver and muscle of mice. <i>Scientific Reports</i> , 2020, 10, 11954.	1.6	13

#	ARTICLE	IF	CITATIONS
19	Risk factors associated with mortality in hospitalized patients with SARS-CoV-2 infection. A prospective, longitudinal, unicenter study in Reus, Spain. PLoS ONE, 2020, 15, e0234452.	1.1	41
20	Systemic overexpression of C-C motif chemokine ligand 2 promotes metabolic dysregulation and premature death in mice with accelerated aging. Aging, 2020, 12, 20001-20023.	1.4	5
21	Title is missing!. , 2020, 15, e0234452.		0
22	Title is missing!. , 2020, 15, e0234452.		0
23	Title is missing!. , 2020, 15, e0234452.		0
24	Title is missing!. , 2020, 15, e0234452.		0
25	Laparoscopic sleeve gastrectomy reverses non-alcoholic fatty liver disease modulating oxidative stress and inflammation. Metabolism: Clinical and Experimental, 2019, 99, 81-89.	1.5	43
26	Serum Paraoxonase-1-Related Variables and Lipoprotein Profile in Patients with Lung or Head and Neck Cancer: Effect of Radiotherapy. Antioxidants, 2019, 8, 213.	2.2	14
27	FRI-322-Metabolic inflammation: The role of chemokine C-C motif ligand 2 in the crosstalk between liver tissue and muscle. Journal of Hepatology, 2019, 70, e537-e538.	1.8	1
28	Effect of Vitamin D3 on the Postprandial Lipid Profile in Obese Patients: A Non-Targeted Lipidomics Study. Nutrients, 2019, 11, 1194.	1.7	21
29	Chemokine (C-C motif) ligand 2 gene ablation protects low-density lipoprotein and paraoxonase-1 double deficient mice from liver injury, oxidative stress and inflammation. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 1555-1566.	1.8	13
30	An olive oil phenolic is a new chemotype of mutant isocitrate dehydrogenase 1 (IDH1) inhibitors. Carcinogenesis, 2019, 40, 27-40.	1.3	14
31	Serum concentrations of trace elements and their relationships with paraoxonase-1 in morbidly obese women. Journal of Trace Elements in Medicine and Biology, 2018, 48, 8-15.	1.5	12
32	Assessment of extracellular matrix-related biomarkers in patients with lower extremity artery disease. Journal of Vascular Surgery, 2018, 68, 1135-1142.e6.	0.6	7
33	Serum Paraoxonase-1 Concentration as a Potential Predictor of Urinary Bladder Cancer Recurrence. A Five Year Follow-Up Study. Archives of Medical Research, 2018, 49, 119-122.	1.5	9
34	Trace Elements and Paraoxonase-1 Activity in Lower Extremity Artery Disease. Biological Trace Element Research, 2018, 186, 74-84.	1.9	13
35	Metabolite normalization with local radiotherapy following breast tumor resection. PLoS ONE, 2018, 13, e0207474.	1.1	14
36	Trace element concentrations in breast cancer patients. Breast, 2018, 42, 142-149.	0.9	17

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37	Plasma Energy-Balance Metabolites Discriminate Asymptomatic Patients with Peripheral Artery Disease. Mediators of Inflammation, 2018, 2018, 1-12.	1.4	8
38	Effect of continuous renal-replacement therapy on paraoxonase-1-related variables in patients with acute renal failure caused by septic shock. Clinical Biochemistry, 2018, 61, 1-6.	0.8	4
39	Treating atherosclerosis: targeting risk factors should not be the only option. Annals of Translational Medicine, 2018, 6, S34-S34.	0.7	2
40	Metformin Potentiates the Benefits of Dietary Restraint: A Metabolomic Study. International Journal of Molecular Sciences, 2017, 18, 2263.	1.8	18
41	Nutrients in Energy and One-Carbon Metabolism: Learning from Metformin Users. Nutrients, 2017, 9, 121.	1.7	33
42	Effect of radiotherapy on activity and concentration of serum paraoxonase-1 in breast cancer patients. PLoS ONE, 2017, 12, e0188633.	1.1	19
43	Galectin-3 in Peripheral Artery Disease. Relationships with Markers of Oxidative Stress and Inflammation. International Journal of Molecular Sciences, 2017, 18, 973.	1.8	33
44	Paraoxonases, mitochondrial dysfunction and non-communicable diseases. Chemico-Biological Interactions, 2016, 259, 382-387.	1.7	20
45	Epigenetics and nutrition-related epidemics of metabolic diseases: Current perspectives and challenges. Food and Chemical Toxicology, 2016, 96, 191-204.	1.8	27
46	Biochemical indices of oxidative stress and inflammation in the evaluation of peripheral artery disease. Free Radical Biology and Medicine, 2016, 97, 568-576.	1.3	26
47	Systematic review and meta-analysis deciphering the impact of fibrates on paraoxonase-1 status. Metabolism: Clinical and Experimental, 2016, 65, 609-622.	1.5	14
48	Metformin administration induces hepatotoxic effects in paraoxonase-1-deficient mice. Chemico-Biological Interactions, 2016, 249, 56-63.	1.7	2
49	Exploring the Process of Energy Generation in Pathophysiology by Targeted Metabolomics: Performance of a Simple and Quantitative Method. Journal of the American Society for Mass Spectrometry, 2016, 27, 168-177.	1.2	35
50	Relationships Between Metformin, Paraoxonase-1 and the Chemokine (C-C Motif) Ligand 2. Current Clinical Pharmacology, 2016, 11, 250-258.	0.2	8
51	Immunohistochemical Analysis of Paraoxonases and Chemokines in Arteries of Patients with Peripheral Artery Disease. International Journal of Molecular Sciences, 2015, 16, 11323-11338.	1.8	23
52	The acute impact of polyphenols from Hibiscus sabdariffa in metabolic homeostasis: an approach combining metabolomics and gene-expression analyses. Food and Function, 2015, 6, 2957-2966.	2.1	25
53	Liver fat deposition and mitochondrial dysfunction in morbid obesity: An approach combining metabolomics with liver imaging and histology. World Journal of Gastroenterology, 2015, 21, 7529.	1.4	35
54	Paraoxonases and Chemokine (C-C Motif) Ligand-2 in Noncommunicable Diseases. Advances in Clinical Chemistry, 2014, 63, 247-308.	1.8	32

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55	Understanding the role of circulating chemokine (C-C motif) ligand 2 in patients with chronic ischemia threatening the lower extremities. <i>Vascular Medicine</i> , 2014, 19, 442-451.	0.8	11
56	Mitochondrial Dysfunction: A Basic Mechanism in Inflammation-Related Non-Communicable Diseases and Therapeutic Opportunities. <i>Mediators of Inflammation</i> , 2013, 2013, 1-13.	1.4	116
57	Ubiquitous Transgenic Overexpression of C-C Chemokine Ligand 2: A Model to Assess the Combined Effect of High Energy Intake and Continuous Low-Grade Inflammation. <i>Mediators of Inflammation</i> , 2013, 2013, 1-19.	1.4	13
58	The relevance of the association between inflammation and atrial fibrillation. <i>European Journal of Clinical Investigation</i> , 2013, 43, 324-331.	1.7	27
59	Xenohormetic and anti-aging activity of secoiridoid polyphenols present in extra virgin olive oil. <i>Cell Cycle</i> , 2013, 12, 555-578.	1.3	131