

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	First and second waves of coronavirus disease-19: A comparative study in hospitalized patients in Reus, Spain. PLoS ONE, 2021, 16, e0248029.	1.1	206
2	Xenohormetic and anti-aging activity of secoiridoid polyphenols present in extra virgin olive oil. Cell Cycle, 2013, 12, 555-578.	1.3	131
3	Mitochondrial Dysfunction: A Basic Mechanism in Inflammation-Related Non-Communicable Diseases and Therapeutic Opportunities. Mediators of Inflammation, 2013, 2013, 1-13.	1.4	116
4	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
5	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
6	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
7	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
8	Nutrients in Energy and One-Carbon Metabolism: Learning from Metformin Users. Nutrients, 2017, 9, 121.	1.7	33
9	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
10	Paraoxonases and Chemokine (C-C Motif) Ligand-2 in Noncommunicable Diseases. Advances in Clinical Chemistry, 2014, 63, 247-308.	1.8	32
11	The relevance of the association between inflammation and atrial fibrillation. European Journal of Clinical Investigation, 2013, 43, 324-331.	1.7	27
12	Epigenetics and nutrition-related epidemics of metabolic diseases: Current perspectives and challenges. Food and Chemical Toxicology, 2016, 96, 191-204.	1.8	27
13	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
14	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
15	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
16	Effect of Vitamin D3 on the Postprandial Lipid Profile in Obese Patients: A Non-Targeted Lipidomics Study. Nutrients, 2019, 11, 1194.	1.7	21
17	On the Role of Paraoxonase-1 and Chemokine Ligand 2 (C-C motif) in Metabolic Alterations Linked to Inflammation and Disease. A 2021 Update. Biomolecules, 2021, 11, 971.	1.8	21
18	Paraoxonases, mitochondrial dysfunction and non-communicable diseases. Chemo-Biological Interactions, 2016, 259, 382-387.	1.7	20

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19	Plasma metabolic alterations in patients with severe obesity and non-alcoholic steatohepatitis. <i>Alimentary Pharmacology and Therapeutics</i> , 2020, 51, 374-387.	1.9	20
20	Effect of radiotherapy on activity and concentration of serum paraoxonase-1 in breast cancer patients. <i>PLoS ONE</i> , 2017, 12, e0188633.	1.1	19
21	Metformin Potentiates the Benefits of Dietary Restraint: A Metabolomic Study. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2263.	1.8	18
22	Trace element concentrations in breast cancer patients. <i>Breast</i> , 2018, 42, 142-149.	0.9	17
23	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
24	Systematic review and meta-analysis deciphering the impact of fibrates on paraoxonase-1 status. <i>Metabolism: Clinical and Experimental</i> , 2016, 65, 609-622.	1.5	14
25	Metabolite normalization with local radiotherapy following breast tumor resection. <i>PLoS ONE</i> , 2018, 13, e0207474.	1.1	14
26	Serum Paraoxonase-1-Related Variables and Lipoprotein Profile in Patients with Lung or Head and Neck Cancer: Effect of Radiotherapy. <i>Antioxidants</i> , 2019, 8, 213.	2.2	14
27	An olive oil phenolic is a new chemotype of mutant isocitrate dehydrogenase 1 (IDH1) inhibitors. <i>Carcinogenesis</i> , 2019, 40, 27-40.	1.3	14
28	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
29	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
30	Trace Elements and Paraoxonase-1 Activity in Lower Extremity Artery Disease. <i>Biological Trace Element Research</i> , 2018, 186, 74-84.	1.9	13
31	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. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 1555-1566.	1.8	13
32	Chemokine C-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
33	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
34	Serum concentrations of trace elements and their relationships with paraoxonase-1 in morbidly obese women. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 48, 8-15.	1.5	12
35	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
36	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

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37	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
38	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
39	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
40	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
41	Serum Paraoxonase-1 Concentration as a Potential Predictor of Urinary Bladder Cancer Recurrence. A Five Year Follow-Up Study. <i>Archives of Medical Research</i> , 2018, 49, 119-122.	1.5	9
42	Plasma Energy-Balance Metabolites Discriminate Asymptomatic Patients with Peripheral Artery Disease. <i>Mediators of Inflammation</i> , 2018, 2018, 1-12.	1.4	8
43	Relationships Between Metformin, Paraoxonase-1 and the Chemokine (C-C Motif) Ligand 2. <i>Current Clinical Pharmacology</i> , 2016, 11, 250-258.	0.2	8
44	Assessment of extracellular matrix-related biomarkers in patients with lower extremity artery disease. <i>Journal of Vascular Surgery</i> , 2018, 68, 1135-1142.e6.	0.6	7
45	Laparoscopic sleeve gastrectomy alters 1H-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
46	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
47	Systemic overexpression of C-C motif chemokine ligand 2 promotes metabolic dysregulation and premature death in mice with accelerated aging. <i>Aging</i> , 2020, 12, 20001-20023.	1.4	5
48	Effect of continuous renal-replacement therapy on paraoxonase-1-related variables in patients with acute renal failure caused by septic shock. <i>Clinical Biochemistry</i> , 2018, 61, 1-6.	0.8	4
49	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
50	TEMPORARY REMOVAL: Glutaminolysis-induced mTORC1 activation drives non-alcoholic steatohepatitis progression. <i>Journal of Hepatology</i> , 2021, , .	1.8	3
51	Phenotypic, morphological, and metabolic characterization of vascular spheres from human vascular mesenchymal stem cells. <i>Microscopy Research and Technique</i> , 2021, , .	1.2	3
52	Metformin administration induces hepatotoxic effects in paraoxonase-1-deficient mice. <i>Chemico-Biological Interactions</i> , 2016, 249, 56-63.	1.7	2
53	Treating atherosclerosis: targeting risk factors should not be the only option. <i>Annals of Translational Medicine</i> , 2018, 6, S34-S34.	0.7	2
54	FRI-322-Metabolic inflammation: The role of chemokine C-C motif ligand 2 in the crosstalk between liver tissue and muscle. <i>Journal of Hepatology</i> , 2019, 70, e537-e538.	1.8	1

#	ARTICLE	IF	CITATIONS
55	Clinical performance of the Elecsys® 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
56	Title is missing!. , 2020, 15, e0234452.		0
57	Title is missing!. , 2020, 15, e0234452.		0
58	Title is missing!. , 2020, 15, e0234452.		0
59	Title is missing!. , 2020, 15, e0234452.		0