

Jos L Garca-Gimnez

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

87

papers

2,168

citations

28

h-index

43

g-index

97

ext. papers

2,642

ext. citations

5.3

avg, IF

5.02

L-index

#	Paper	IF	Citations
87	Toward the development of metal-based synthetic nucleases: DNA binding and oxidative DNA cleavage of a mixed copper(II) complex with N-(9H-purin-6-yl)benzenesulfonamide and 1,10-phenantroline. Antitumor activity in human Caco-2 cells and Jurkat T lymphocytes. Evaluation of p53 and Bcl-2 proteins in the apoptotic mechanism. <i>Journal of Inorganic Biochemistry</i> , 2009 , 103, 923-34	4.2	175
86	Role of nuclear glutathione as a key regulator of cell proliferation. <i>Molecular Aspects of Medicine</i> , 2009 , 30, 77-85	16.7	120
85	Nuclear glutathione. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013 , 1830, 3304-16	4	74
84	Mitochondrial biogenesis in health and disease. Molecular and therapeutic approaches. <i>Current Pharmaceutical Design</i> , 2014 , 20, 5619-33	3.3	70
83	Histone h3 glutathionylation in proliferating mammalian cells destabilizes nucleosomal structure. <i>Antioxidants and Redox Signaling</i> , 2013 , 19, 1305-20	8.4	69
82	Epigenetic biomarkers: Current strategies and future challenges for their use in the clinical laboratory. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2017 , 54, 529-550	9.4	68
81	High stability of microRNAs in tissue samples of compromised quality. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2013 , 463, 765-74	5.1	66
80	Irisin: a new potential hormonal target for the treatment of obesity and type 2 diabetes. <i>Journal of Diabetes</i> , 2012 , 4, 196	3.8	65
79	Physical exercise as an epigenetic modulator: Eustress, the "positive stress" as an effector of gene expression. <i>Journal of Strength and Conditioning Research</i> , 2012 , 26, 3469-72	3.2	64
78	A dinuclear copper(II) complex with adeninate bridge ligands and prominent DNA cleavage activity. Structural and spectroscopic characterization and magnetic properties. <i>Inorganic Chemistry</i> , 2007 , 46, 7178-88	5.1	64
77	Role of glutathione in the regulation of epigenetic mechanisms in disease. <i>Free Radical Biology and Medicine</i> , 2017 , 112, 36-48	7.8	61
76	Physical exercise and epigenetic modulation: elucidating intricate mechanisms. <i>Sports Medicine</i> , 2014 , 44, 429-36	10.6	57
75	Oxidative Stress and Inflammation in COVID-19-Associated Sepsis: The Potential Role of Anti-Oxidant Therapy in Avoiding Disease Progression. <i>Antioxidants</i> , 2020 , 9,	7.1	57
74	Oxidative nuclease activity of ferromagnetically coupled mu-hydroxo-mu-propionato copper(II) complexes [Cu ₃ (L) ₂ (mu-OH) ₂ (mu-propionato) ₂] (L=N-(pyrid-2-ylmethyl)R-sulfonamidato, R=benzene, toluene, naphthalene). <i>Journal of Inorganic Biochemistry</i> , 2009 , 103, 243-55	4.2	49
73	Epigenetic biomarkers in laboratory diagnostics: emerging approaches and opportunities. <i>Expert Review of Molecular Diagnostics</i> , 2013 , 13, 457-71	3.8	46
72	Erythropoietin and the heart: physiological effects and the therapeutic perspective. <i>International Journal of Cardiology</i> , 2014 , 171, 116-25	3.2	44
71	Role of glutathione in cell nucleus. <i>Free Radical Research</i> , 2010 , 44, 721-33	4	43

70	Epigenetic IVD Tests for Personalized Precision Medicine in Cancer. <i>Frontiers in Genetics</i> , 2019 , 10, 621	4.5	41
69	DNA binding, nuclease activity, DNA photocleavage and cytotoxic properties of Cu(II) complexes of N-substituted sulfonamides. <i>Journal of Inorganic Biochemistry</i> , 2013 , 121, 167-78	4.2	41
68	Epigenetic biomarkers: A new perspective in laboratory diagnostics. <i>Clinica Chimica Acta</i> , 2012 , 413, 1576-82	3.9	39
67	DNA cleavage reaction induced by dimeric copper(II) complexes of N-substituted thiazole sulfonamides. <i>Journal of Inorganic Biochemistry</i> , 2006 , 100, 70-9	4.2	37
66	Differential expression of PGC-1 α and metabolic sensors suggest age-dependent induction of mitochondrial biogenesis in Friedreich ataxia fibroblasts. <i>PLoS ONE</i> , 2011 , 6, e20666	3.7	35
65	Sepsis and Coronavirus Disease 2019: Common Features and Anti-Inflammatory Therapeutic Approaches. <i>Critical Care Medicine</i> , 2020 , 48, 1841-1844	1.4	35
64	Role of p16 and BMI-1 in oxidative stress-induced premature senescence in human dental pulp stem cells. <i>Redox Biology</i> , 2017 , 12, 690-698	11.3	34
63	Decreased cell proliferation and higher oxidative stress in fibroblasts from Down Syndrome fetuses. Preliminary study. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014 , 1842, 116-25	6.9	33
62	Efficient DNA Cleavage Induced by Copper(II) Complexes of Hydrolysis Derivatives of 2,4,6-Tri(2-pyridyl)-1,3,5-triazine in the Presence of Reducing Agents. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 822-834	2.3	31
61	Mitochondrial defects and neuromuscular degeneration caused by altered expression of Drosophila Gdap1: implications for the Charcot-Marie-Tooth neuropathy. <i>Human Molecular Genetics</i> , 2015 , 24, 21-36	5.6	30
60	Increased oxidative stress and impaired antioxidant response in Lafora disease. <i>Molecular Neurobiology</i> , 2015 , 51, 932-46	6.2	28
59	A new mass spectrometry-based method for the quantification of histones in plasma from septic shock patients. <i>Scientific Reports</i> , 2017 , 7, 10643	4.9	26
58	Histone carbonylation occurs in proliferating cells. <i>Free Radical Biology and Medicine</i> , 2012 , 52, 1453-64	7.8	26
57	Desmopressin and hemodilution: implications in doping. <i>International Journal of Sports Medicine</i> , 2010 , 31, 5-9	3.6	25
56	Extracellular histones disarrange vasoactive mediators release through a COX-NOS interaction in human endothelial cells. <i>Journal of Cellular and Molecular Medicine</i> , 2017 , 21, 1584-1592	5.6	23
55	Challenges in the analysis of epigenetic biomarkers in clinical samples. <i>Clinical Chemistry and Laboratory Medicine</i> , 2017 , 55, 1474-1477	5.9	23
54	Cellular Responses in Human Dental Pulp Stem Cells Treated with Three Endodontic Materials. <i>Stem Cells International</i> , 2017 , 2017, 8920356	5	23
53	Acute telomerase components depletion triggers oxidative stress as an early event previous to telomeric shortening. <i>Redox Biology</i> , 2018 , 14, 398-408	11.3	22

52	A promising camptothecin derivative: Semisynthesis, antitumor activity and intestinal permeability. <i>European Journal of Medicinal Chemistry</i> , 2014 , 83, 366-73	6.8	21
51	Oxidative stress, a new hallmark in the pathophysiology of Lafora progressive myoclonus epilepsy. <i>Free Radical Biology and Medicine</i> , 2015 , 88, 30-41	7.8	20
50	Circular RNAs in Sepsis: Biogenesis, Function, and Clinical Significance. <i>Cells</i> , 2020 , 9,	7.9	19
49	Extracellular histones activate autophagy and apoptosis via mTOR signaling in human endothelial cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018 , 1864, 3234-3246	6.9	19
48	Reactive Glia-Derived Neuroinflammation: a Novel Hallmark in Lafora Progressive Myoclonus Epilepsy That Progresses with Age. <i>Molecular Neurobiology</i> , 2020 , 57, 1607-1621	6.2	19
47	Circulating miRNAs as diagnostic biomarkers for adolescent idiopathic scoliosis. <i>Scientific Reports</i> , 2018 , 8, 2646	4.9	18
46	Maintenance of glutathione levels and its importance in epigenetic regulation. <i>Frontiers in Pharmacology</i> , 2014 , 5, 88	5.6	18
45	Small RNA-seq analysis of circulating miRNAs to identify phenotypic variability in Friedreich's ataxia patients. <i>Scientific Data</i> , 2018 , 5, 180021	8.2	17
44	miR-1226 detection in GCF as potential biomarker of chronic periodontitis: A pilot study. <i>Medicina Oral, Patología Oral Y Cirugía Bucal</i> , 2018 , 23, e308-e314	2.6	17
43	Biological Activity of Flavonoids Copper Complexes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005 , 631, 2181-2187	1.3	16
42	Circulating miR-323-3p is a biomarker for cardiomyopathy and an indicator of phenotypic variability in Friedreich's ataxia patients. <i>Scientific Reports</i> , 2017 , 7, 5237	4.9	15
41	Expression of the genetic suppressor element 24.2 (GSE24.2) decreases DNA damage and oxidative stress in X-linked dyskeratosis congenita cells. <i>PLoS ONE</i> , 2014 , 9, e101424	3.7	15
40	Oxidative stress and mitochondrial dysfunction in Kindler syndrome. <i>Orphanet Journal of Rare Diseases</i> , 2014 , 9, 211	4.2	15
39	Oxidative stress and antioxidant response in fibroblasts from Werner and atypical Werner syndromes. <i>Aging</i> , 2014 , 6, 231-45	5.6	15
38	Lafora disease fibroblasts exemplify the molecular interdependence between thioredoxin 1 and the proteasome in mammalian cells. <i>Free Radical Biology and Medicine</i> , 2013 , 65, 347-359	7.8	13
37	A Drosophila model of GDAP1 function reveals the involvement of insulin signalling in the mitochondria-dependent neuromuscular degeneration. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017 , 1863, 801-809	6.9	12
36	From genetics to epigenetics to unravel the etiology of adolescent idiopathic scoliosis. <i>Bone</i> , 2020 , 140, 115563	4.7	12
35	Thioredoxin and Glutaredoxin Systems as Potential Targets for the Development of New Treatments in Friedreich's Ataxia. <i>Antioxidants</i> , 2020 , 9,	7.1	12

34	Oxidative imbalance in low/intermediate-1-risk myelodysplastic syndrome patients: The influence of iron overload. <i>Clinical Biochemistry</i> , 2017 , 50, 911-917	3.5	11
33	Oxidative post-translational modifications in histones. <i>BioFactors</i> , 2019 , 45, 641-650	6.1	11
32	Could thiazolidinediones increase the risk of heart failure in Friedreich's ataxia patients?. <i>Movement Disorders</i> , 2011 , 26, 769-71	7	9
31	Oxidative Stress and the Epigenetics of Cell Senescence: Insights from Progeroid Syndromes. <i>Current Pharmaceutical Design</i> , 2018 , 24, 4755-4770	3.3	8
30	Cofilin dysregulation alters actin turnover in frataxin-deficient neurons. <i>Scientific Reports</i> , 2020 , 10, 52074.9	4.9	8
29	Glutathione and cellular redox control in epigenetic regulation. <i>Free Radical Biology and Medicine</i> , 2014 , 75 Suppl 1, S3	7.8	8
28	Epigenetic Regulation in the Pathogenesis of Sjögren Syndrome and Rheumatoid Arthritis. <i>Frontiers in Genetics</i> , 2019 , 10, 1104	4.5	7
27	Epigenetic biomarkers for human sepsis and septic shock: insights from immunosuppression. <i>Epigenomics</i> , 2020 , 12, 617-646	4.4	6
26	Non-coding RNAs and Coronary Artery Disease. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1229, 273-285	3.6	6
25	Epigenetic Biomarkers 2016 , 1-18		6
24	Oxygen in the neonatal period: Oxidative stress, oxygen load and epigenetic changes. <i>Seminars in Fetal and Neonatal Medicine</i> , 2020 , 25, 101090	3.7	6
23	miRNA-23b as a biomarker of culture-positive neonatal sepsis. <i>Molecular Medicine</i> , 2020 , 26, 94	6.2	6
22	Circulating miRNA expression analysis reveals new potential biomarkers for human cutaneous melanoma staging. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2020 , 34, e126-e129	4.6	4
21	DNA Methylation Analysis to Unravel Altered Genetic Pathways Underlying Early Onset and Late Onset Neonatal Sepsis. A Pilot Study. <i>Frontiers in Immunology</i> , 2021 , 12, 622599	8.4	4
20	PAFIYAMA syndrome: prevention is better than cure. <i>Journal of Laboratory and Precision Medicine</i> , 1 , 8-8	1.1	3
19	Acute depletion of telomerase components DKC1 and NOP10 induces oxidative stress and disrupts ribosomal biogenesis via NPM1 and activation of the P53 pathway. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020 , 1867, 118845	4.9	3
18	Role of microRNAs As Biomarkers in Sepsis-Associated Encephalopathy. <i>Molecular Neurobiology</i> , 2021 , 58, 4682-4693	6.2	3
17	Epigenetic biomarkers in cardiovascular disease. <i>Journal of Laboratory and Precision Medicine</i> , 2018 , 3, 24-24	1.1	3

16	MicroRNA-148b-3p and MicroRNA-25-3p Are Overexpressed in Fetuses with Late-Onset Fetal Growth Restriction. <i>Fetal Diagnosis and Therapy</i> , 2020 , 47, 665-674	2.4	2
15	Epigenetic biomarkers for disease diagnosis 2019 , 21-44		2
14	Biomarkers research in neuromuscular disease Charcot-Marie-Tooth. <i>Free Radical Biology and Medicine</i> , 2014 , 75 Suppl 1, S48-9	7.8	2
13	Characterization of the antioxidant systems in different complementation groups of Dyskeratosis Congenita. <i>Free Radical Biology and Medicine</i> , 2014 , 75 Suppl 1, S34	7.8	2
12	Assessing the risk of cytomegalovirus DNAemia in allogeneic stem cell transplant recipients by monitoring oxidative-stress markers in plasma. <i>Journal of General Virology</i> , 2017 , 98, 1855-1863	4.9	2
11	A common SNP in the UNG gene decreases ovarian cancer risk in BRCA2 mutation carriers. <i>Molecular Oncology</i> , 2019 , 13, 1110-1120	7.9	2
10	Role of non-coding RNAs as biomarkers of deleterious cardiovascular effects in sepsis. <i>Progress in Cardiovascular Diseases</i> , 2021 , 68, 70-77	8.5	2
9	Comparative Analysis of Chromatin-Delivered Biomarkers in the Monitoring of Sepsis and Septic Shock: A Pilot Study. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
8	Increased oxidative stress and impaired antioxidant response in Lafora disease. <i>Free Radical Biology and Medicine</i> , 2014 , 75 Suppl 1, S47	7.8	1
7	Clinical and immunological aspects of microRNAs in neonatal sepsis. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 145, 112444	7.5	0
6	MicroRNA-185-5p: a marker of brain-sparing in foetuses with late-onset growth restriction.. <i>Epigenetics</i> , 2021 , 1-12	5.7	0
5	Epigenetic Mechanisms as Key Regulators in Disease 2016 , 37-66		
4	Translational epigenetics in precision medicine of colorectal cancer 2022 , 19-41		
3	Perspectives and future directions of translational epigenetics in personalized and precision medicine 2022 , 1-18		
2	Use of Two Complementary Bioinformatic Approaches to Identify Differentially Methylated Regions in Neonatal Sepsis. <i>Open Bioinformatics Journal</i> , 2021 , 14, 144-152	0.8	
1	Clinical and Biological Characterization of Patients with Low/Intermediate-1 Risk Myelodysplastic Syndrome and Iron Overload. <i>Blood</i> , 2012 , 120, 4956-4956	2.2	