

# Jos L Garca-Gimnez

## List of Publications by Year in Descending Order

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**Version:** 2024-04-29

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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 | Translational epigenetics in precision medicine of colorectal cancer <b>2022</b> , 19-41   |     |           |
| 86 | Perspectives and future directions of translational epigenetics in personalized and precision medicine <b>2022</b> , 1-18  |     |           |
| 85 | Clinical and immunological aspects of microRNAs in neonatal sepsis. <i>Biomedicine and Pharmacotherapy</i> , <b>2021</b> , 145, 112444   | 7.5 | 0         |
| 84 | Use of Two Complementary Bioinformatic Approaches to Identify Differentially Methylated Regions in Neonatal Sepsis. <i>Open Bioinformatics Journal</i> , <b>2021</b> , 14, 144-152                               | 0.8 |           |
| 83 | Role of microRNAs As Biomarkers in Sepsis-Associated Encephalopathy. <i>Molecular Neurobiology</i> , <b>2021</b> , 58, 4682-4693   | 6.2 | 3         |
| 82 | DNA Methylation Analysis to Unravel Altered Genetic Pathways Underlying Early Onset and Late Onset Neonatal Sepsis. A Pilot Study. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 622599                     | 8.4 | 4         |
| 81 | Role of non-coding RNAs as biomarkers of deleterious cardiovascular effects in sepsis. <i>Progress in Cardiovascular Diseases</i> , <b>2021</b> , 68, 70-77  | 8.5 | 2         |
| 80 | Comparative Analysis of Chromatin-Delivered Biomarkers in the Monitoring of Sepsis and Septic Shock: A Pilot Study. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,                       | 6.3 | 2         |
| 79 | MicroRNA-185-5p: a marker of brain-sparing in foetuses with late-onset growth restriction.. <i>Epigenetics</i> , <b>2021</b> , 1-12  | 5.7 | 0         |
| 78 | Epigenetic biomarkers for human sepsis and septic shock: insights from immunosuppression. <i>Epigenomics</i> , <b>2020</b> , 12, 617-646   | 4.4 | 6         |
| 77 | Circular RNAs in Sepsis: Biogenesis, Function, and Clinical Significance. <i>Cells</i> , <b>2020</b> , 9,  | 7.9 | 19        |
| 76 | MicroRNA-148b-3p and MicroRNA-25-3p Are Overexpressed in Fetuses with Late-Onset Fetal Growth Restriction. <i>Fetal Diagnosis and Therapy</i> , <b>2020</b> , 47, 665-674  | 2.4 | 2         |
| 75 | Cofilin dysregulation alters actin turnover in frataxin-deficient neurons. <i>Scientific Reports</i> , <b>2020</b> , 10, 52074.9   | 4.9 | 8         |
| 74 | Non-coding RNAs and Coronary Artery Disease. <i>Advances in Experimental Medicine and Biology</i> , <b>2020</b> , 1229, 273-285  | 3.6 | 6         |
| 73 | Oxygen in the neonatal period: Oxidative stress, oxygen load and epigenetic changes. <i>Seminars in Fetal and Neonatal Medicine</i> , <b>2020</b> , 25, 101090   | 3.7 | 6         |
| 72 | Circulating miRNA expression analysis reveals new potential biomarkers for human cutaneous melanoma staging. <i>Journal of the European Academy of Dermatology and Venereology</i> , <b>2020</b> , 34, e126-e129 | 4.6 | 4         |
| 71 | Reactive Glia-Derived Neuroinflammation: a Novel Hallmark in Lafora Progressive Myoclonus Epilepsy That Progresses with Age. <i>Molecular Neurobiology</i> , <b>2020</b> , 57, 1607-1621                         | 6.2 | 19        |

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| 70 | Oxidative Stress and Inflammation in COVID-19-Associated Sepsis: The Potential Role of Anti-Oxidant Therapy in Avoiding Disease Progression. <i>Antioxidants</i> , <b>2020</b> , 9,  | 7.1  | 57 |
| 69 | miRNA-23b as a biomarker of culture-positive neonatal sepsis. <i>Molecular Medicine</i> , <b>2020</b> , 26, 94   | 6.2  | 6  |
| 68 | 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> , <b>2020</b> , 1867, 118845 | 4.9  | 3  |
| 67 | Sepsis and Coronavirus Disease 2019: Common Features and Anti-Inflammatory Therapeutic Approaches. <i>Critical Care Medicine</i> , <b>2020</b> , 48, 1841-1844   | 1.4  | 35 |
| 66 | From genetics to epigenetics to unravel the etiology of adolescent idiopathic scoliosis. <i>Bone</i> , <b>2020</b> , 140, 115563   | 4.7  | 12 |
| 65 | Thioredoxin and Glutaredoxin Systems as Potential Targets for the Development of New Treatments in Friedreich's Ataxia. <i>Antioxidants</i> , <b>2020</b> , 9,   | 7.1  | 12 |
| 64 | Oxidative post-translational modifications in histones. <i>BioFactors</i> , <b>2019</b> , 45, 641-650  | 6.1  | 11 |
| 63 | Epigenetic IVD Tests for Personalized Precision Medicine in Cancer. <i>Frontiers in Genetics</i> , <b>2019</b> , 10, 621   | 4.5  | 41 |
| 62 | Epigenetic biomarkers for disease diagnosis <b>2019</b> , 21-44  |      | 2  |
| 61 | A common SNP in the UNG gene decreases ovarian cancer risk in BRCA2 mutation carriers. <i>Molecular Oncology</i> , <b>2019</b> , 13, 1110-1120   | 7.9  | 2  |
| 60 | Epigenetic Regulation in the Pathogenesis of Sjögren Syndrome and Rheumatoid Arthritis. <i>Frontiers in Genetics</i> , <b>2019</b> , 10, 1104  | 4.5  | 7  |
| 59 | Oxidative Stress and the Epigenetics of Cell Senescence: Insights from Progeroid Syndromes. <i>Current Pharmaceutical Design</i> , <b>2018</b> , 24, 4755-4770   | 3.3  | 8  |
| 58 | Small RNA-seq analysis of circulating miRNAs to identify phenotypic variability in Friedreich's ataxia patients. <i>Scientific Data</i> , <b>2018</b> , 5, 180021  | 8.2  | 17 |
| 57 | Circulating miRNAs as diagnostic biomarkers for adolescent idiopathic scoliosis. <i>Scientific Reports</i> , <b>2018</b> , 8, 2646   | 4.9  | 18 |
| 56 | Acute telomerase components depletion triggers oxidative stress as an early event previous to telomeric shortening. <i>Redox Biology</i> , <b>2018</b> , 14, 398-408   | 11.3 | 22 |
| 55 | Extracellular histones activate autophagy and apoptosis via mTOR signaling in human endothelial cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2018</b> , 1864, 3234-3246   | 6.9  | 19 |
| 54 | miR-1226 detection in GCF as potential biomarker of chronic periodontitis: A pilot study. <i>Medicina Oral, Patologia Oral Y Cirugia Bucal</i> , <b>2018</b> , 23, e308-e314   | 2.6  | 17 |
| 53 | Epigenetic biomarkers in cardiovascular disease. <i>Journal of Laboratory and Precision Medicine</i> , <b>2018</b> , 3, 24-24  | 1.1  | 3  |

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| 52 | 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> , <b>2017</b> , 1863, 801-809 | 6.9  | 12 |
| 51 | Extracellular histones disarrange vasoactive mediators release through a COX-NOS interaction in human endothelial cells. <i>Journal of Cellular and Molecular Medicine</i> , <b>2017</b> , 21, 1584-1592                                     | 5.6  | 23 |
| 50 | Oxidative imbalance in low/intermediate-1-risk myelodysplastic syndrome patients: The influence of iron overload. <i>Clinical Biochemistry</i> , <b>2017</b> , 50, 911-917   | 3.5  | 11 |
| 49 | Role of p16 and BMI-1 in oxidative stress-induced premature senescence in human dental pulp stem cells. <i>Redox Biology</i> , <b>2017</b> , 12, 690-698   | 11.3 | 34 |
| 48 | Challenges in the analysis of epigenetic biomarkers in clinical samples. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2017</b> , 55, 1474-1477   | 5.9  | 23 |
| 47 | Cellular Responses in Human Dental Pulp Stem Cells Treated with Three Endodontic Materials. <i>Stem Cells International</i> , <b>2017</b> , 2017, 8920356  | 5    | 23 |
| 46 | A new mass spectrometry-based method for the quantification of histones in plasma from septic shock patients. <i>Scientific Reports</i> , <b>2017</b> , 7, 10643   | 4.9  | 26 |
| 45 | Epigenetic biomarkers: Current strategies and future challenges for their use in the clinical laboratory. <i>Critical Reviews in Clinical Laboratory Sciences</i> , <b>2017</b> , 54, 529-550  | 9.4  | 68 |
| 44 | Role of glutathione in the regulation of epigenetic mechanisms in disease. <i>Free Radical Biology and Medicine</i> , <b>2017</b> , 112, 36-48   | 7.8  | 61 |
| 43 | Circulating miR-323-3p is a biomarker for cardiomyopathy and an indicator of phenotypic variability in Friedreich's ataxia patients. <i>Scientific Reports</i> , <b>2017</b> , 7, 5237   | 4.9  | 15 |
| 42 | 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> , <b>2017</b> , 98, 1855-1863                               | 4.9  | 2  |
| 41 | Epigenetic Mechanisms as Key Regulators in Disease <b>2016</b> , 37-66   |      |    |
| 40 | Epigenetic Biomarkers <b>2016</b> , 1-18   |      | 6  |
| 39 | Increased oxidative stress and impaired antioxidant response in Lafora disease. <i>Molecular Neurobiology</i> , <b>2015</b> , 51, 932-46   | 6.2  | 28 |
| 38 | Mitochondrial defects and neuromuscular degeneration caused by altered expression of Drosophila Gdap1: implications for the Charcot-Marie-Tooth neuropathy. <i>Human Molecular Genetics</i> , <b>2015</b> , 24, 21-36                        | 5.6  | 30 |
| 37 | Oxidative stress, a new hallmark in the pathophysiology of Lafora progressive myoclonus epilepsy. <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 88, 30-41   | 7.8  | 20 |
| 36 | Erythropoietin and the heart: physiological effects and the therapeutic perspective. <i>International Journal of Cardiology</i> , <b>2014</b> , 171, 116-25  | 3.2  | 44 |
| 35 | A promising camptothecin derivative: Semisynthesis, antitumor activity and intestinal permeability. <i>European Journal of Medicinal Chemistry</i> , <b>2014</b> , 83, 366-73  | 6.8  | 21 |

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| 34 | 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> , <b>2014</b> , 9, e101424                            | 3.7  | 15 |
| 33 | Mitochondrial biogenesis in health and disease. Molecular and therapeutic approaches. <i>Current Pharmaceutical Design</i> , <b>2014</b> , 20, 5619-33  | 3.3  | 70 |
| 32 | Oxidative stress and mitochondrial dysfunction in Kindler syndrome. <i>Orphanet Journal of Rare Diseases</i> , <b>2014</b> , 9, 211   | 4.2  | 15 |
| 31 | Maintenance of glutathione levels and its importance in epigenetic regulation. <i>Frontiers in Pharmacology</i> , <b>2014</b> , 5, 88   | 5.6  | 18 |
| 30 | Biomarkers research in neuromuscular disease Charcot-Marie-Tooth. <i>Free Radical Biology and Medicine</i> , <b>2014</b> , 75 Suppl 1, S48-9  | 7.8  | 2  |
| 29 | Glutathione and cellular redox control in epigenetic regulation. <i>Free Radical Biology and Medicine</i> , <b>2014</b> , 75 Suppl 1, S3  | 7.8  | 8  |
| 28 | Increased oxidative stress and impaired antioxidant response in Lafora disease. <i>Free Radical Biology and Medicine</i> , <b>2014</b> , 75 Suppl 1, S47  | 7.8  | 1  |
| 27 | Characterization of the antioxidant systems in different complementation groups of Dyskeratosis Congenita. <i>Free Radical Biology and Medicine</i> , <b>2014</b> , 75 Suppl 1, S34                                   | 7.8  | 2  |
| 26 | 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> , <b>2014</b> , 1842, 116-25 | 6.9  | 33 |
| 25 | Physical exercise and epigenetic modulation: elucidating intricate mechanisms. <i>Sports Medicine</i> , <b>2014</b> , 44, 429-36  | 10.6 | 57 |
| 24 | Oxidative stress and antioxidant response in fibroblasts from Werner and atypical Werner syndromes. <i>Aging</i> , <b>2014</b> , 6, 231-45  | 5.6  | 15 |
| 23 | Histone h3 glutathionylation in proliferating mammalian cells destabilizes nucleosomal structure. <i>Antioxidants and Redox Signaling</i> , <b>2013</b> , 19, 1305-20   | 8.4  | 69 |
| 22 | High stability of microRNAs in tissue samples of compromised quality. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , <b>2013</b> , 463, 765-74                         | 5.1  | 66 |
| 21 | DNA binding, nuclease activity, DNA photocleavage and cytotoxic properties of Cu(II) complexes of N-substituted sulfonamides. <i>Journal of Inorganic Biochemistry</i> , <b>2013</b> , 121, 167-78                    | 4.2  | 41 |
| 20 | Nuclear glutathione. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2013</b> , 1830, 3304-16  | 4    | 74 |
| 19 | Epigenetic biomarkers in laboratory diagnostics: emerging approaches and opportunities. <i>Expert Review of Molecular Diagnostics</i> , <b>2013</b> , 13, 457-71  | 3.8  | 46 |
| 18 | Lafora disease fibroblasts exemplify the molecular interdependence between thioredoxin 1 and the proteasome in mammalian cells. <i>Free Radical Biology and Medicine</i> , <b>2013</b> , 65, 347-359                  | 7.8  | 13 |
| 17 | Irisin: a new potential hormonal target for the treatment of obesity and type 2 diabetes. <i>Journal of Diabetes</i> , <b>2012</b> , 4, 196   | 3.8  | 65 |

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| 16 | Epigenetic biomarkers: A new perspective in laboratory diagnostics. <i>Clinica Chimica Acta</i> , <b>2012</b> , 413, 1576-82  | 39       |
| 15 | Histone carbonylation occurs in proliferating cells. <i>Free Radical Biology and Medicine</i> , <b>2012</b> , 52, 1453-64   | 7.8 26   |
| 14 | Physical exercise as an epigenetic modulator: Eustress, the "positive stress" as an effector of gene expression. <i>Journal of Strength and Conditioning Research</i> , <b>2012</b> , 26, 3469-72   | 3.2 64   |
| 13 | Clinical and Biological Characterization of Patients with Low/Intermediate-1 Risk Myelodysplastic Syndrome and Iron Overload. <i>Blood</i> , <b>2012</b> , 120, 4956-4956   | 2.2      |
| 12 | Could thiazolidinediones increase the risk of heart failure in Friedreich's ataxia patients?. <i>Movement Disorders</i> , <b>2011</b> , 26, 769-71  | 7 9      |
| 11 | Differential expression of PGC-1 $\alpha$ and metabolic sensors suggest age-dependent induction of mitochondrial biogenesis in Friedreich ataxia fibroblasts. <i>PLoS ONE</i> , <b>2011</b> , 6, e20666   | 3.7 35   |
| 10 | Desmopressin and hemodilution: implications in doping. <i>International Journal of Sports Medicine</i> , <b>2010</b> , 31, 5-9  | 3.6 25   |
| 9  | Role of glutathione in cell nucleus. <i>Free Radical Research</i> , <b>2010</b> , 44, 721-33  | 4 43     |
| 8  | Oxidative nuclease activity of ferromagnetically coupled $\mu$ -hydroxo- $\mu$ -propionato copper(II) complexes [Cu <sub>3</sub> (L) <sub>2</sub> ( $\mu$ -OH) <sub>2</sub> ( $\mu$ -propionato) <sub>2</sub> ] (L=N-(pyrid-2-ylmethyl)R-sulfonamidato, R=benzene, toluene, naphthalene). <i>Journal of Inorganic Biochemistry</i> , <b>2009</b> , 103, 243-55  | 4.2 49   |
| 7  | 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> , <b>2009</b> , 103, 923-34 | 4.2 175  |
| 6  | Role of nuclear glutathione as a key regulator of cell proliferation. <i>Molecular Aspects of Medicine</i> , <b>2009</b> , 30, 77-85  | 16.7 120 |
| 5  | 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> , <b>2007</b> , 2007, 822-834  | 2.3 31   |
| 4  | 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> , <b>2007</b> , 46, 7178-88   | 5.1 64   |
| 3  | DNA cleavage reaction induced by dimeric copper(II) complexes of N-substituted thiazole sulfonamides. <i>Journal of Inorganic Biochemistry</i> , <b>2006</b> , 100, 70-9  | 4.2 37   |
| 2  | Biological Activity of Flavonoids Copper Complexes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2005</b> , 631, 2181-2187  | 1.3 16   |
| 1  | PAFIYAMA syndrome: prevention is better than cure. <i>Journal of Laboratory and Precision Medicine</i> , <b>1</b> , 8-8   | 1.1 3    |