Ignacio Rego-PÃ©rez

List of Publications by Year
in descending order

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60 papers	2,234 citations	201674 27 h-index	223800 46 g-index
103 all docs	103 docs citations	103 times ranked	2669 citing authors

#	Article	IF	Citations
1	The role of mitochondria in osteoarthritis. Nature Reviews Rheumatology, 2011, 7, 161-169.	8.0	371
2	Genome-wide DNA methylation analysis of articular chondrocytes reveals a cluster of osteoarthritic patients. Annals of the Rheumatic Diseases, 2014, 73, 668-677.	0.9	141
3	Insights into the genetic architecture of osteoarthritis from stage 1 of the arcOGEN study. Annals of the Rheumatic Diseases, 2011, 70, 864-867.	0.9	119
4	Mitochondrial DNA variation and the pathogenesis of osteoarthritis phenotypes. Nature Reviews Rheumatology, 2018, 14, 327-340.	8.0	112
5	Proteomic analysis of human osteoarthritic chondrocytes reveals protein changes in stress and glycolysis. Proteomics, 2008, 8, 495-507.	2.2	108
6	Mitochondrial DNA haplogroups: Role in the prevalence and severity of knee osteoarthritis. Arthritis and Rheumatism, 2008, 58, 2387-2396.	6.7	96
7	Influence of variants of FcÂ receptors IIA and IIIA on the American College of Rheumatology and European League Against Rheumatism responses to anti-tumour necrosis factor Â therapy in rheumatoid arthritis. Annals of the Rheumatic Diseases, 2009, 68, 1547-1552.	0.9	92
8	Role of European mitochondrial DNA haplogroups in the prevalence of hip osteoarthritis in Galicia, Northern Spain. Annals of the Rheumatic Diseases, 2010, 69, 210-213.	0.9	71
9	Mitochondrial DNA haplogroups influence the risk of incident knee osteoarthritis in OAI and CHECK cohorts. A meta-analysis and functional study. Annals of the Rheumatic Diseases, 2017, 76, 1114-1122.	0.9	62
10	Opposed independent effects and epistasis in the complex association of IRF5 to SLE. Genes and Immunity, 2007, 8, 429-438.	4.1	58
11	Mitochondrial respiratory chain dysfunction modulates metalloproteases -1, -3 and -13 in human normal chondrocytes in culture. BMC Musculoskeletal Disorders, 2013, 14, 235.	1.9	46
12	Mitochondrial Haplogroups H and J: Risk and Protective Factors for Ischemic Cardiomyopathy. PLoS ONE, 2012, 7, e44128.	2.5	45
13	PCR Technique for Identification of Mussel Species. Journal of Agricultural and Food Chemistry, 2002, 50, 1780-1784.	5.2	44
14	Genetics in Osteoarthritis. Current Genomics, 2008, 9, 542-547.	1.6	44
15	Mitochondria and mitophagy: biosensors for cartilage degradation and osteoarthritis. Osteoarthritis and Cartilage, 2018, 26, 989-991.	1.3	39
16	Genetic variation including nonsynonymous polymorphisms of a major aggrecanase, ADAMTS-5, in susceptibility to osteoarthritis. Arthritis and Rheumatism, 2008, 58, 435-441.	6.7	38
17	Specific premature epigenetic aging of cartilage in osteoarthritis. Aging, 2016, 8, 2222-2231.	3.1	38
18	Common variations in estrogen-related genes are associated with severe large-joint osteoarthritis: a multicenter genetic and functional study. Osteoarthritis and Cartilage, 2010, 18, 927-933.	1.3	37

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19	Mitochondrial DNA haplogroups modulate the serum levels of biomarkers in patients with osteoarthritis. Annals of the Rheumatic Diseases, 2010, 69, 910-917.	0.9	36
20	mtDNA haplogroups and osteoarthritis in different geographic populations. Mitochondrion, 2014, 15, 18-23.	3.4	36
21	mtDNA haplogroup J Modulates telomere length and Nitric Oxide production. BMC Musculoskeletal Disorders, 2011, 12, 283.	1.9	34
22	Discovery of an autoantibody signature for the early diagnosis of knee osteoarthritis: data from the Osteoarthritis Initiative. Annals of the Rheumatic Diseases, 2019, 78, 1699-1705.	0.9	34
23	Mitochondrial DNA haplogroups and serum levels of proteolytic enzymes in patients with osteoarthritis. Annals of the Rheumatic Diseases, 2011, 70, 646-652.	0.9	33
24	Differing patterns of peripheral blood leukocyte telomere length in rheumatologic diseases. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2010, 683, 68-73.	1.0	32
25	Mitochondrial DNA (mtDNA) haplogroups and serum levels of anti-oxidant enzymes in patients with osteoarthritis. BMC Musculoskeletal Disorders, 2011, 12, 264.	1.9	32
26	A replication study and meta-analysis of mitochondrial DNA variants in the radiographic progression of knee osteoarthritis. Rheumatology, 2017, 56, 263-270.	1.9	30
27	Mitochondrial DNA (mtDNA) Haplogroups Influence the Progression of Knee Osteoarthritis. Data from the Osteoarthritis Initiative (OAI). PLoS ONE, 2014, 9, e112735.	2.5	27
28	Generating Rho-0 Cells Using Mesenchymal Stem Cell Lines. PLoS ONE, 2016, 11, e0164199.	2.5	27
29	Decreased length of telomeric DNA sequences and increased numerical chromosome aberrations in human osteoarthritic chondrocytes. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2011, 708, 50-58.	1.0	26
30	Mitochondrial DNA haplogroup H as a risk factor for idiopathic dilated cardiomyopathy in Spanish population. Mitochondrion, 2013, 13, 263-268.	3.4	24
31	Gene Polymorphisms and Pharmacogenetics in Rheumatoid Arthritis. Current Genomics, 2008, 9, 381-393.	1.6	23
32	Mitochondrial DNA haplogroups modulate the radiographic progression of Spanish patients with osteoarthritis. Rheumatology International, 2015, 35, 337-344.	3.0	23
33	Mitochondrial Genetics and Epigenetics in Osteoarthritis. Frontiers in Genetics, 2020, 10, 1335.	2.3	21
34	Editorial: Is It Time for Epigenetics in Osteoarthritis?. Arthritis and Rheumatology, 2014, 66, 2324-2327.	5.6	20
35	Mitochondrial Haplogroups Define Two Phenotypes of Osteoarthritis. Frontiers in Physiology, 2012, 3, 129.	2.8	19
36	Mitochondrial genetics and osteoarthritis. Frontiers in Bioscience - Scholar, 2013, S5, 360-368.	2.1	17

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37	Differential Association of Mitochondrial DNA Haplogroups J and H With the Methylation Status of Articular Cartilage: Potential Role in Apoptosis and Metabolic and Developmental Processes. Arthritis and Rheumatology, 2019, 71, 1191-1200.	5.6	16
38	What did we learn from â€˜omicsâ€™ studies in osteoarthritis. Current Opinion in Rheumatology, 2018, 30, 114-120.	4.3	15
39	Mitochondrial DNA haplogroups associated with MRI-detected structural damage in early knee osteoarthritis. Osteoarthritis and Cartilage, 2018, 26, 1562-1569.	1.3	14
40	Association of Systemic Lupus Erythematosus Clinical Features with European Population Genetic Substructure. PLoS ONE, 2011, 6, e29033.	2.5	14
41	Impaired Metabolic Flexibility in the Osteoarthritis Process: A Study on Transmitochondrial Cybrids. Cells, 2020, 9, 809.	4.1	13
42	Plasma mitochondrial DNA levels are inversely associated with HIV-RNA levels and directly with CD4 counts: potential role as a biomarker of HIV replication. Journal of Antimicrobial Chemotherapy, 2017, 72, 3159-3162.	3.0	12
43	Predictive modeling of therapeutic response to chondroitin sulfate/glucosamine hydrochloride in knee osteoarthritis. Therapeutic Advances in Chronic Disease, 2019, 10, 204062231987001.	2.5	11
44	A clinical model including protein biomarkers predicts radiographic knee osteoarthritis: a prospective study using data from the Osteoarthritis Initiative. Osteoarthritis and Cartilage, 2021, 29, 1147-1154.	1.3	11
45	Is osteoarthritis a mitochondrial disease? What is the evidence. Current Opinion in Rheumatology, 2022, 34, 46-53.	4.3	11
46	DNA content, karyotypes, and chromosomal location of 18S-5.8S-28S ribosomal loci in some species of bivalve molluscs from the Pacific Canadian coast. Genome, 2000, 43, 1065-1072.	2.0	8
47	Leukocyte Telomere Length in Patients with Radiographic Knee Osteoarthritis. Environmental and Molecular Mutagenesis, 2019, 60, 298-301.	2.2	7
48	Mitochondrial DNA haplogroups influence the risk of aortic stenosis. Asian Cardiovascular and Thoracic Annals, 2019, 27, 5-10.	0.5	6
49	Mitochondrial DNA impact on joint damaged process in a conplastic mouse model after being surgically induced with osteoarthritis. Scientific Reports, 2021, 11, 9112.	3.3	6
50	Oleate Prevents Palmitate-Induced Mitochondrial Dysfunction in Chondrocytes. Frontiers in Physiology, 2021, 12, 670753.	2.8	6
51	Mitochondrial DNA in osteoarthritis disease. Clinical Rheumatology, 2020, 39, 3255-3259.	2.2	5
52	Mitochondrial DNA from osteoarthritic patients drives functional impairment of mitochondrial activity: a study on transmitochondrial cybrids. Cytotherapy, 2021, 23, 399-410.	0.7	4
53	Relationship Between the Dynamics of Telomere Loss in Peripheral Blood Leukocytes From Knee Osteoarthritis Patients and Mitochondrial DNA Haplogroups. Journal of Rheumatology, 2021, 48, 1603-1607.	2.0	3
54	Association of accelerated dynamics of telomere sequence loss in peripheral blood leukocytes with incident knee osteoarthritis in Osteoarthritis Initiative cohort. Scientific Reports, 2021, 11, 15914.	3.3	3

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55	mtDNA variability determines spontaneous joint aging damage in a conplastic mouse model. Aging, 2022, 14, 5966-5983.	3.1	3
56	Design of a digitalâ€PCR assay to quantify fragmented human mitochondrial DNA. Environmental and Molecular Mutagenesis, 2021, 62, 364-373.	2.2	2
57	Brief Report: European Mitochondrial Haplogroups Impact on Liver Fibrosis Progression Among HCV and HIV/HCV-Coinfected Patients From Northwest Spain. Journal of Acquired Immune Deficiency Syndromes (1999), 2016, 73, 149-153.	2.1	1
58	Genetic biomarkers in osteoarthritis: a quick overview. Faculty Reviews, 2021, 10, 78.	3.9	1
59	mtDNA haplogroup A enhances the effect of obesity on the risk of knee OA in a Mexican population. Scientific Reports, 2022, 12, 5173.	3.3	1
60	THU0413â€…MAJOR SUB-HAPLOGROUP H1 IS A RISK FACTOR FOR RAPIDLY PROGRESSIVE OSTEOARTHRITIS OF THE KNEE. DATA FROM THE OSTEOARTHRITIS INITIATIVE. , 2019, , .		0