JosÃ© A Riancho

List of Publications by Year
in descending order

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129	6,091	94433 37	79698 73
papers	citations	h-index	g-index

142	142	142	9220
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pharmacogenetics of Osteoporosis: A Pathway Analysis of the Genetic Influence on the Effects of Antiresorptive Drugs. Pharmaceutics, 2022, 14, 776.	4.5	3
2	Effects of Systemic or Local Administration of Mesenchymal Stem Cells from Patients with Osteoporosis or Osteoarthritis on Femoral Fracture Healing in a Mouse Model. Biomolecules, 2022, 12, 722.	4.0	5
3	Novel genes and sex differences in COVID-19 severity. Human Molecular Genetics, 2022, 31, 3789-3806.	2.9	38
4	Methylation of the Sclerostin (SOST) Gene in Serum Free DNA: A New Bone Biomarker?. Genetic Testing and Molecular Biomarkers, 2021, 25, 42-47.	0.7	0
5	Methylprednisolone in adults hospitalized with COVID-19 pneumonia. Wiener Klinische Wochenschrift, 2021, 133, 303-311.	1.9	126
6	Osteogenic capacity of mesenchymal stem cells from patients with osteoporotic hip fractures in vivo. Connective Tissue Research, 2021, , 1-13.	2.3	4
7	Influence of hyperbaric oxygen therapy on bone metabolism in patients with neoplasm. Reports of Practical Oncology and Radiotherapy, 2021, 26, 163-169.	0.6	0
8	Association of LCT -13910C>T polymorphism and hip fracture in a cohort of older adult population from Northern Spain. Gene, 2021, 783, 145560.	2.2	1
9	Effective Osteogenic Priming of Mesenchymal Stem Cells through LNA-ASOs-Mediated Sfrp1 Gene Silencing. Pharmaceutics, 2021, 13, 1277.	4.5	4
10	Hyperbaric Oxygen Therapy Does Not Have a Negative Impact on Bone Signaling Pathways in Humans. Healthcare (Switzerland), 2021, 9, 1714.	2.0	4
11	Long Noncoding RNAs as Bone Marrow Stem Cell Regulators in Osteoporosis. DNA and Cell Biology, 2020, 39, 1691-1699.	1.9	10
12	Analysis of volumetric BMD in people with Down syndrome using DXA-based 3D modeling. Archives of Osteoporosis, 2019, 14, 98.	2.4	10
13	Role of Epigenomics in Bone and Cartilage Disease. Journal of Bone and Mineral Research, 2019, 34, 215-230.	2.8	61
14	Hepatotoxicidad grave por amiodarona intravenosa. Medicina ClÃnica, 2019, 153, 258-259.	0.6	3
15	The Influence of Maternal and Social Factors During Intrauterine Life. , 2019, , 129-149.		0
16	The Social Context of Bone Health: Conclusions and Future Directions. , 2019, , 177-181.		0
17	Postnatal Social Factors: The Epigenome and the Skeleton. , 2019, , 151-175.		0
18	Epigenetics of Skeletal Diseases. Current Osteoporosis Reports, 2018, 16, 246-255.	3.6	21

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19	Identification of a novel locus on chromosome 2q13, which predisposes to clinical vertebral fractures independently of bone density. Annals of the Rheumatic Diseases, 2018, 77, 378-385.	0.9	21
20	MMP14 is a novel target of PTH signaling in osteocytes that controls resorption by regulating soluble RANKL production. FASEB Journal, 2018, 32, 2878-2890.	0.5	34
21	Epigenetic Aging in Osteoporosis. Journal of Bone and Mineral Research, 2018, 33, 1902-1903.	2.8	4
22	Abnormal bone turnover in individuals with low serum alkaline phosphatase. Osteoporosis International, 2018, 29, 2147-2150.	3.1	30
23	The Influence of Nitrogen Dioxide on Arrhythmias in Spain and Its Relationship with Atmospheric Circulation. Cardiovascular Toxicology, 2017, 17, 88-96.	2.7	20
24	Generation and characterization of two immortalized human osteoblastic cell lines useful for epigenetic studies. Journal of Bone and Mineral Metabolism, 2017, 35, 150-160.	2.7	10
25	Molecular and clinical analysis of ALPL in a cohort of patients with suspicion of Hypophosphatasia. American Journal of Medical Genetics, Part A, 2017, 173, 601-610.	1.2	36
26	Epigenetic Regulation of Sost/sclerostin Expression. Current Molecular Biology Reports, 2017, 3, 85-93.	1.6	4
27	The Epigenome at the Crossroad Between Social Factors, Inflammation, and Osteoporosis Risk. Clinical Reviews in Bone and Mineral Metabolism, 2017, 15, 59-68.	0.8	18
28	Genetic DNA profile in urine and hair follicles from patients who have undergone allogeneic hematopoietic stem cell transplantation. Science and Justice - Journal of the Forensic Science Society, 2017, 57, 336-340.	2.1	7
29	Differential analysis of genome-wide methylation and gene expression in mesenchymal stem cells of patients with fractures and osteoarthritis. Epigenetics, 2017, 12, 113-122.	2.7	60
30	Non-synonymous WNT16 polymorphisms alleles are associated with different osteoarthritis phenotypes. Rheumatology International, 2017, 37, 1667-1672.	3.0	6
31	Diverging results of areal and volumetric bone mineral density in Down syndrome. Osteoporosis International, 2017, 28, 965-972.	3.1	19
32	Orientation of whole bone samples of small rodents matters during bending tests. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 65, 200-212.	3.1	1
33	Indel analysis by droplet digital PCR: a sensitive method for DNA mixture detection and chimerism analysis. International Journal of Legal Medicine, 2017, 131, 67-72.	2.2	19
34	Age-associated hydroxymethylation in human bone-marrow mesenchymal stem cells. Journal of Translational Medicine, 2016, 14, 207.	4.4	33
35	Osterix and RUNX2 are Transcriptional Regulators of Sclerostin in Human Bone. Calcified Tissue International, 2016, 99, 302-309.	3.1	66
36	Clinical, biochemical and genetic spectrum of low alkaline phosphatase levels in adults. European Journal of Internal Medicine, 2016, 29, 40-45.	2.2	57

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37	Genetic and acquired factors influencing the effectiveness and toxicity of drug therapy in osteoporosis. Expert Opinion on Drug Metabolism and Toxicology, 2016, 12, 389-398.	3.3	13
38	DNA methylation and the social gradient of osteoporotic fracture: A conceptual model. Bone, 2016, 84, 204-212.	2.9	27
39	How to interpret epigenetic association studies: a guide for clinicians. BoneKEy Reports, 2016, 5, 797.	2.7	18
40	Specific premature epigenetic aging of cartilage in osteoarthritis. Aging, 2016, 8, 2222-2231.	3.1	38
41	Analysis of the Bone MicroRNome in Osteoporotic Fractures. Calcified Tissue International, 2015, 96, 30-37.	3.1	59
42	Avoiding introduction of bias in the analysis of the methylation of free circulating DNA. Clinica Chimica Acta, 2015, 444, 206-207.	1.1	0
43	Exon array analysis reveals genetic heterogeneity in atypical femoral fractures. A pilot study. Molecular and Cellular Biochemistry, 2015, 409, 45-50.	3.1	22
44	Wholeâ€genome sequencing identifies EN1 as a determinant of bone density and fracture. Nature, 2015, 526, 112-117.	27.8	483
45	H3K4me1 marks DNA regions hypomethylated during aging in human stem and differentiated cells. Genome Research, 2015, 25, 27-40.	5.5	119
46	The cerebellum ages slowly according to the epigenetic clock. Aging, 2015, 7, 294-306.	3.1	162
47	Epigenetic Mechanisms Regulating Mesenchymal Stem Cell Differentiation. Current Genomics, 2015, 16, 368-383.	1.6	46
48	Epigenetics of Osteoporosis: Critical Analysis of Epigenetic Epidemiology Studies. Current Genomics, 2015, 16, 405-410.	1.6	7
49	Analysis of post-transplant chimerism by using a single amplification reaction of 38 Indel polymorphic loci. Bone Marrow Transplantation, 2014, 49, 1432-1435.	2.4	4
50	Assessment of Osteoarthritis Candidate Genes in a Metaâ€Analysis of Nine Genomeâ€Wide Association Studies. Arthritis and Rheumatology, 2014, 66, 940-949.	5.6	108
51	A meta-analysis of genome-wide association studies identifies novel variants associated with osteoarthritis of the hip. Annals of the Rheumatic Diseases, 2014, 73, 2130-2136.	0.9	108
52	Pharmacogenomics of Osteoporotic Fractures. Methods in Molecular Biology, 2014, 1175, 661-670.	0.9	3
53	Genetic determinants of heel bone properties: genome-wide association meta-analysis and replication in the GEFOS/GENOMOS consortium. Human Molecular Genetics, 2014, 23, 3054-3068.	2.9	90
54	Genome-wide association study for radiographic vertebral fractures: A potential role for the 16q24 BMD locus. Bone, 2014, 59, 20-27.	2.9	32

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55	Activation of nuclear receptor NR5A2 increases Glut4 expression and glucose metabolism in muscle cells. Biochemical and Biophysical Research Communications, 2014, 446, 614-619.	2.1	21
56	Nitric Oxide is Involved in the Down-regulation of SOST Expression Induced by Mechanical Loading. Calcified Tissue International, 2014, 94, 414-422.	3.1	26
57	Reconstructing the DNA Methylation Maps of the Neandertal and the Denisovan. Science, 2014, 344, 523-527.	12.6	188
58	Polymorphisms of the farnesyl diphosphate synthase gene modulate bone changes in response to atorvastatin. Rheumatology International, 2014, 34, 1073-1077.	3.0	3
59	A Sclerostin Super-Producer Cell Line Derived from the Human Cell Line SaOS-2: A New Tool for the Study of the Molecular Mechanisms Driving Sclerostin Expression. Calcified Tissue International, 2014, 95, 194-199.	3.1	8
60	Expression of genes related to energy metabolism (osteocalcin, FOXO1, insulin receptor, and SOST) in bone cells of Goto-Kakizaki rats and response to bariatric surgery. Surgery for Obesity and Related Diseases, 2014, 10, 299-303.	1.2	3
61	Genome-wide association study for radiographic vertebral fractures: a potential role for the 16q24 BMD locus. Bone, 2014, 59, 20-7.	2.9	17
62	Missense polymorphisms of the WNT16 gene are associated with bone mass, hip geometry and fractures. Osteoporosis International, 2013, 24, 2449-2454.	3.1	62
63	Wnt-related genes and large-joint osteoarthritis: association study and replication. Rheumatology International, 2013, 33, 2875-2880.	3.0	13
64	Role of BMPs in the regulation of sclerostin as revealed by an epigenetic modifier of human bone cells. Molecular and Cellular Endocrinology, 2013, 369, 27-34.	3.2	28
65	Genomeâ€wide profiling of bone reveals differentially methylated regions in osteoporosis and osteoarthritis. Arthritis and Rheumatism, 2013, 65, 197-205.	6.7	133
66	Contribution of genetic and epigenetic mechanisms to Wnt pathway activity in prevalent skeletal disorders. Gene, 2013, 532, 165-172.	2.2	42
67	Nuclear receptor NR5A2 and bone: gene expression and association with bone mineral density. European Journal of Endocrinology, 2012, 166, 69-75.	3.7	5
68	Role of DNA methylation in the regulation of the RANKL-OPG system in human bone. Epigenetics, 2012, 7, 83-91.	2.7	99
69	Pharmacogenomics of osteoporosis: a pathway approach. Pharmacogenomics, 2012, 13, 815-829.	1.3	20
70	Association Study of Sirtuin 1 Polymorphisms with Bone Mineral Density and Body Mass Index. Archives of Medical Research, 2012, 43, 363-368.	3.3	19
71	Genome-wide meta-analysis identifies 56 bone mineral density loci and reveals 14 loci associated with risk of fracture. Nature Genetics, 2012, 44, 491-501.	21.4	1,100
72	Common allelic variants of the farnesyl diphosphate synthase gene influence the response of osteoporotic women to bisphosphonates. Pharmacogenomics Journal, 2012, 12, 227-232.	2.0	40

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73	The Role of DNA Methylation in Common Skeletal Disorders. Biology, 2012, 1, 698-713.	2.8	27
74	DNA methylation contributes to the regulation of sclerostin expression in human osteocytes. Journal of Bone and Mineral Research, 2012, 27, 926-937.	2.8	116
75	Genetic Polymorphisms of the Wnt Receptor LRP5 are Differentially Associated with Trochanteric and Cervical Hip Fractures. Calcified Tissue International, 2012, 90, 137-143.	3.1	6
76	Do Epigenetic Marks Govern Bone Mass and Homeostasis?. Current Genomics, 2012, 13, 252-263.	1.6	38
77	Epigenetic regulation of alkaline phosphatase in human cells of the osteoblastic lineage. Bone, 2011, 49, 830-838.	2.9	89
78	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
79	Association of ACACB polymorphisms with obesity and diabetes. Molecular Genetics and Metabolism, 2011, 104, 670-676.	1.1	41
80	Relationship of sclerostin and secreted frizzled protein polymorphisms with bone mineral density. Menopause, 2011, 18, 802-807.	2.0	19
81	Osteocyte Deficiency in Hip Fractures. Calcified Tissue International, 2011, 89, 327-334.	3.1	38
82	Wnt receptors, bone mass, and fractures: gene-wide association analysis of LRP5 and LRP6 polymorphisms with replication. European Journal of Endocrinology, 2011, 164, 123-131.	3.7	44
83	Wnt pathway genes in osteoporosis and osteoarthritis: differential expression and genetic association study. Osteoporosis International, 2010, 21, 109-118.	3.1	71
84	Genetics of Osteoporosis: Half-Full or Half-Empty?. Clinical Reviews in Bone and Mineral Metabolism, 2010, 8, 49-50.	0.8	1
85	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
86	Haplotypes of intron 4 of the estrogen receptor alpha gene and hip fractures: a replication study in Caucasians. BMC Medical Genetics, 2010, 11, 16.	2.1	5
87	Polymorphisms of the WNT10B Gene, Bone Mineral Density, and Fractures in Postmenopausal Women. Calcified Tissue International, 2009, 85, 113-118.	3.1	18
88	Association of the Aromatase Gene Alleles With BMD:Epidemiological and Functional Evidence. Journal of Bone and Mineral Research, 2009, 24, 1709-1718.	2.8	33
89	Association of aromatase and estrogen receptor gene polymorphisms with hip fractures. Osteoporosis International, 2008, 19, 787-792.	3.1	14
90	Role of the Klotho Gene in Bone and Mineral Metabolism. Clinical Reviews in Bone and Mineral Metabolism, 2008, 6, 31-36.	0.8	2

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91	Aromatase and interleukin-10 genetic variants interactively modulate Alzheimerâ€™s disease risk. Journal of Neural Transmission, 2008, 115, 863-867.	2.8	30
92	Genetic polymorphisms are associated with serum levels of sex hormone binding globulin in postmenopausal women. BMC Medical Genetics, 2008, 9, 112.	2.1	25
93	Aromatase expression in osteoarthritic and osteoporotic bone. Arthritis and Rheumatism, 2008, 58, 1696-1700.	6.7	36
94	Bone mass in young adults with Down syndrome. Journal of Intellectual Disability Research, 2008, 52, 182-189.	2.0	74
95	SNP typing by using Taqman assays with limited availability of DNA. Forensic Science International: Genetics Supplement Series, 2008, 1, 490-491.	0.3	0
96	Genetics of osteoporosis. Aging Health, 2008, 4, 365-376.	0.3	4
97	Identification of an Aromatase Haplotype That Is Associated with Gene Expression and Postmenopausal Osteoporosis. Journal of Clinical Endocrinology and Metabolism, 2007, 92, 660-665.	3.6	42
98	Adiposity, estradiol, and genetic variants of steroid-metabolizing enzymes as determinants of bone mineral density. European Journal of Endocrinology, 2007, 156, 117-122.	3.7	20
99	Polymorphisms in theCYP19gene that influence bone mineral density. Pharmacogenomics, 2007, 8, 339-352.	1.3	17
100	Biomechanical Indices of the Femoral Neck Estimated From the Standard DXA Output: Age- and Sex-Related Differences. Journal of Clinical Densitometry, 2007, 10, 39-45.	1.2	26
101	Klotho Gene Polymorphism and Male Bone Mass. Calcified Tissue International, 2007, 80, 10-14.	3.1	36
102	Association of the F352V variant of the Klotho gene with bone mineral density. Biogerontology, 2007, 8, 121-127.	3.9	39
103	Response to â€œWeighting the effect of CYP19A gene in bone mineral density of postmenopausal womenâ€• Bone, 2006, 38, 953.	2.9	1
104	MTHFR Polymorphism and Bone Mineral Density: Meta-Analysis of Published Studies. Calcified Tissue International, 2006, 79, 289-293.	3.1	33
105	Gitelman syndrome: genetic and expression analysis of the thiazide-sensitive sodium-chloride transporter in blood cells. Nephrology Dialysis Transplantation, 2006, 21, 217-220.	0.7	16
106	A gene-to-gene interaction between aromatase and estrogen receptors influences bone mineral density. European Journal of Endocrinology, 2006, 155, 53-59.	3.7	24
107	Bone mass in young adults: relationship with gender, weight and genetic factors. Journal of Internal Medicine, 2005, 258, 554-562.	6.0	25
108	Fracture risk in patients with prostate cancer on androgen deprivation therapy. Osteoporosis International, 2005, 16, 707-711.	3.1	70

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109	Interaction between CYP19 Aromatase and Butyrylcholinesterase Genes Increases Alzheimerâ€™s Disease Risk. Dementia and Geriatric Cognitive Disorders, 2005, 20, 153-157.	1.5	30
110	Aromatase gene and osteoporosis: relationship of ten polymorphic loci with bone mineral density. Bone, 2005, 36, 917-925.	2.9	47
111	Age-related influence of common aromatase gene polymorphisms on bone mass of healthy men. Bone, 2004, 35, 243-248.	2.9	21
112	A common polymorphism in the 5'-untranslated region of the aromatase gene influences bone mass and fracture risk. European Journal of Endocrinology, 2004, 150, 699-704.	3.7	50
113	Significance of micro-geographical population structure in forensic cases: a bayesian exploration. International Journal of Legal Medicine, 2003, 117, 302-305.	2.2	9
114	A Windows-based software for common paternity and sibling analyses. Forensic Science International, 2003, 135, 232-234.	2.2	30
115	The prosecutor's and defendant's Bayesian nomograms. International Journal of Legal Medicine, 2002, 116, 312-313.	2.2	7
116	A new pentaplex system to study short tandem repeat markers of forensic interest on X chromosome. Forensic Science International, 2002, 129, 85-89.	2.2	54
117	Seasonal Deficiency of Vitamin D in Children: A Potential Target for Osteoporosis-Preventing Strategies?. Journal of Bone and Mineral Research, 1998, 13, 544-548.	2.8	172
118	Impairment of osteoblast growth by nitric oxide synthase inhibitors: an effect independent of nitric oxide and arginine transport inhibition. Methods and Findings in Experimental and Clinical Pharmacology, 1996, 18, 663-7.	0.8	1
119	Interleukin-4 as a bone regulatory factor: Effects on murine osteoblast-like cells. Journal of Endocrinological Investigation, 1995, 18, 174-179.	3.3	17
120	Mechanisms controlling nitric oxide synthesis in osteoblasts. Molecular and Cellular Endocrinology, 1995, 107, 87-92.	3.2	54
121	Expression and functional role of nitric oxide synthase in osteoblast-like cells. Journal of Bone and Mineral Research, 1995, 10, 439-446.	2.8	157
122	Age-Related Differences in Cytokine Secretion. Gerontology, 1994, 40, 8-12.	2.8	86
123	Interleukin-4 Modulates Osteoclast Differentiation and Inhibits the Formation of Resorption Pits in Mouse Osteoclast Cultures. Biochemical and Biophysical Research Communications, 1993, 196, 678-685.	2.1	29
124	Stress decreases the serum level of osteocalcin. Bone and Mineral, 1993, 21, 113-118.	1.9	41
125	Effects of interleukin-4 on human osteoblast-like cells. Bone and Mineral, 1993, 21, 53-61.	1.9	37
126	Effects of interleukin-4 on the formation of macrophages and osteoclast-like cells. Journal of Bone and Mineral Research, 1993, 8, 1337-1344.	2.8	30

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127	Influence of solar irradiation on vitamin D levels in children on anticonvulsant drugs. Acta Neurologica Scandinavica, 1989, 79, 296-299.	2.1	10
128	The clinical spectrum of hypocalcaemia associated with bone metastases. Journal of Internal Medicine, 1989, 226, 449-452.	6.0	28
129	An LRP6 mutation (Arg360His) associated with low bone mineral density but not cardiovascular events in a Caucasian family. Osteoporosis International, 0, , .	3.1	1