

Miguel Otero

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

3,504
citations

331259

21
h-index

243296

44
g-index

47
all docs

47
docs citations

47
times ranked

4395
citing authors

#	ARTICLE	IF	CITATIONS
1	Inflammation in osteoarthritis. <i>Current Opinion in Rheumatology</i> , 2011, 23, 471-478.	2.0	1,092
2	NF- κ B Signaling: Multiple Angles to Target OA. <i>Current Drug Targets</i> , 2010, 11, 599-613.	1.0	478
3	Roles of inflammatory and anabolic cytokines in cartilage metabolism: signals and multiple effectors converge upon MMP-13 regulation in osteoarthritis. , 2011, 21, 202-220.		386
4	Signalling pathway involved in nitric oxide synthase type II activation in chondrocytes: synergistic effect of leptin with interleukin-1. <i>Arthritis Research</i> , 2005, 7, R581.	2.0	166
5	Synergistic induction of nitric oxide synthase type II: In vitro effect of leptin and interferon- γ in human chondrocytes and ATDC5 chondrogenic cells. <i>Arthritis and Rheumatism</i> , 2003, 48, 404-409.	6.7	136
6	Regulated Transcription of Human Matrix Metalloproteinase 13 (MMP13) and Interleukin-1 β (IL1B) Genes in Chondrocytes Depends on Methylation of Specific Proximal Promoter CpG Sites. <i>Journal of Biological Chemistry</i> , 2013, 288, 10061-10072.	1.6	133
7	Phenotypic instability of chondrocytes in osteoarthritis: on a path to hypertrophy. <i>Annals of the New York Academy of Sciences</i> , 2019, 1442, 17-34.	1.8	113
8	Differential expression of GADD45 β in normal and osteoarthritic cartilage: Potential role in homeostasis of articular chondrocytes. <i>Arthritis and Rheumatism</i> , 2008, 58, 2075-2087.	6.7	91
9	E74-like Factor 3 (ELF3) Impacts on Matrix Metalloproteinase 13 (MMP13) Transcriptional Control in Articular Chondrocytes under Proinflammatory Stress. <i>Journal of Biological Chemistry</i> , 2012, 287, 3559-3572.	1.6	73
10	Association of Reduced Type IX Collagen Gene Expression in Human Osteoarthritic Chondrocytes With Epigenetic Silencing by DNA Hypermethylation. <i>Arthritis and Rheumatology</i> , 2014, 66, 3040-3051.	2.9	71
11	Mouse Models of Osteoarthritis: Surgical Model of Posttraumatic Osteoarthritis Induced by Destabilization of the Medial Meniscus. <i>Methods in Molecular Biology</i> , 2015, 1226, 143-173.	0.4	59
12	ESE α 1 is a potent repressor of type II collagen gene (<i>COL2A1</i>) transcription in human chondrocytes. <i>Journal of Cellular Physiology</i> , 2008, 215, 562-573.	2.0	54
13	Human Chondrocyte Cultures as Models of Cartilage-Specific Gene Regulation. <i>Methods in Molecular Biology</i> , 2012, 806, 301-336.	0.4	52
14	DNA methylation of the RUNX2 P1 promoter mediates MMP13 transcription in chondrocytes. <i>Scientific Reports</i> , 2017, 7, 7771.	1.6	50
15	Phosphatidylinositol 3-kinase, MEK-1 and p38 mediate leptin/interferon-gamma synergistic NOS type II induction in chondrocytes. <i>Life Sciences</i> , 2007, 81, 1452-1460.	2.0	47
16	ADAM17 Controls Endochondral Ossification by Regulating Terminal Differentiation of Chondrocytes. <i>Molecular and Cellular Biology</i> , 2013, 33, 3077-3090.	1.1	47
17	GADD45 β Enhances Col10a1 Transcription via the MTK1/MKK3/6/p38 Axis and Activation of C/EBP β -TAD4 in Terminally Differentiating Chondrocytes. <i>Journal of Biological Chemistry</i> , 2010, 285, 8395-8407.	1.6	45
18	IKK α /CHUK Regulates Extracellular Matrix Remodeling Independent of Its Kinase Activity to Facilitate Articular Chondrocyte Differentiation. <i>PLoS ONE</i> , 2013, 8, e73024.	1.1	39

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19	ELF3 modulates type II collagen gene (<i>COL2A1</i>) transcription in chondrocytes by inhibiting SOX9-CBP/p300-driven histone acetyltransferase activity. <i>Connective Tissue Research</i> , 2017, 58, 15-26.	1.1	30
20	E74-like factor 3 and nuclear factor- κ B regulate lipocalin-2 expression in chondrocytes. <i>Journal of Physiology</i> , 2016, 594, 6133-6146.	1.3	29
21	Fluoroquinolones Impair Tendon Healing in a Rat Rotator Cuff Repair Model. <i>American Journal of Sports Medicine</i> , 2014, 42, 2851-2859.	1.9	27
22	Perlecan is required for the chondrogenic differentiation of synovial mesenchymal cells through regulation of Sox9 gene expression. <i>Journal of Orthopaedic Research</i> , 2017, 35, 837-846.	1.2	27
23	Collagen XI mutation lowers susceptibility to load-induced cartilage damage in mice. <i>Journal of Orthopaedic Research</i> , 2018, 36, 711-720.	1.2	20
24	Elf3 Contributes to Cartilage Degradation in vivo in a Surgical Model of Post-Traumatic Osteoarthritis. <i>Scientific Reports</i> , 2018, 8, 6438.	1.6	19
25	Phlpp inhibitors block pain and cartilage degradation associated with osteoarthritis. <i>Journal of Orthopaedic Research</i> , 2018, 36, 1487-1497.	1.2	19
26	3-morpholinopyridone (SIN-1)-induced oxidative stress leads to necrosis in hypertrophic chondrocytes in vitro. <i>Biomedicine and Pharmacotherapy</i> , 2018, 106, 1696-1704.	2.5	19
27	Labral calcification plays a key role in hip pain and symptoms in femoroacetabular impingement. <i>Journal of Orthopaedic Surgery and Research</i> , 2020, 15, 86.	0.9	16
28	E74-Like Factor (ELF3) and Leptin, a Novel Loop Between Obesity and Inflammation Perpetuating a Pro-Catabolic State in Cartilage. <i>Cellular Physiology and Biochemistry</i> , 2018, 45, 2401-2410.	1.1	15
29	Identification of Inflammatory Mediators in Tendinopathy Using a Murine Subacromial Impingement Model. <i>Journal of Orthopaedic Research</i> , 2019, 37, 2575-2582.	1.2	15
30	Inducible knockout of CHUK/IKK β in adult chondrocytes reduces progression of cartilage degradation in a surgical model of osteoarthritis. <i>Scientific Reports</i> , 2019, 9, 8905.	1.6	15
31	Early inhibition of subchondral bone remodeling slows load-induced posttraumatic osteoarthritis development in mice. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 2027-2038.	3.1	14
32	FGF8 and FGFR3 are up-regulated in hypertrophic chondrocytes: Association with chondrocyte death in deep zone of Kashin-Beck disease. <i>Biochemical and Biophysical Research Communications</i> , 2018, 500, 184-190.	1.0	13
33	In vitro responses to platelet-rich-plasma are associated with variable clinical outcomes in patients with knee osteoarthritis. <i>Scientific Reports</i> , 2021, 11, 11493.	1.6	12
34	Changes in DNA methylation accompany changes in gene expression during chondrocyte hypertrophic differentiation <i>in vitro</i> . <i>Annals of the New York Academy of Sciences</i> , 2021, 1490, 42-56.	1.8	10
35	Mouse Models of Osteoarthritis: Surgical Model of Post-traumatic Osteoarthritis Induced by Destabilization of the Medial Meniscus. <i>Methods in Molecular Biology</i> , 2021, 2221, 223-260.	0.4	10
36	Knee fibrosis is associated with the development of osteoarthritis in a murine model of tibial compression. <i>Journal of Orthopaedic Research</i> , 2021, 39, 1030-1040.	1.2	8

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37	Computational pathology for musculoskeletal conditions using machine learning: advances, trends, and challenges. <i>Arthritis Research and Therapy</i> , 2022, 24, 68.	1.6	8
38	Identification of biological risk factors for persistent postoperative pain after total knee arthroplasty. <i>Regional Anesthesia and Pain Medicine</i> , 2022, 47, 161-166.	1.1	8
39	Obesity and load-induced posttraumatic osteoarthritis in the absence of fracture or surgical trauma. <i>Journal of Orthopaedic Research</i> , 2021, 39, 1007-1016.	1.2	7
40	Activation of nuclear factor-kappa B by TNF promotes nucleus pulposus mineralization through inhibition of ANKH and ENPP1. <i>Scientific Reports</i> , 2021, 11, 8271.	1.6	7
41	Immune and repair responses in joint tissues and lymph nodes after knee arthroplasty surgery in mice. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 1765-1780.	3.1	7
42	Transcriptomic and epigenomic analyses uncovered <i>Lrrc15</i> as a contributing factor to cartilage damage in osteoarthritis. <i>Scientific Reports</i> , 2021, 11, 21107.	1.6	6
43	CCAAT/enhancer binding protein $\hat{1}^2$ (C/EBP $\hat{1}^2$) regulates the transcription of growth arrest and DNA damage-inducible protein 45 $\hat{1}^2$ (GADD45 $\hat{1}^2$) in articular chondrocytes. <i>Pathology Research and Practice</i> , 2016, 212, 302-309.	1.0	4
44	Role of iRhoms 1 and 2 in Endochondral Ossification. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8732.	1.8	4
45	Histologic and molecular features in pathologic human menisci from knees with and without osteoarthritis. <i>Journal of Orthopaedic Research</i> , 2022, 40, 504-512.	1.2	3
46	Response to "Letter to the editor: Labral calcification plays a key role in hip pain and symptoms in femoroacetabular impingement". <i>Journal of Orthopaedic Surgery and Research</i> , 2020, 15, 274.	0.9	0
47	Targeted transcriptomic analyses of RNA isolated from formalin-fixed and paraffin-embedded human menisci. <i>Journal of Orthopaedic Research</i> , 2021, , .	1.2	0