

Florina Moldovan

List of Publications by Year in descending order

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papers

1,554
citations

361413

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docs citations

37
times ranked

1744
citing authors

#	ARTICLE	IF	CITATIONS
1	In Vivo Transfer of Interleukin-1 Receptor Antagonist Gene in Osteoarthritic Rabbit Knee Joints. American Journal of Pathology, 1999, 154, 1159-1169.	3.8	218
2	Collagenase-3 (matrix metalloprotease 13) is preferentially localized in the deep layer of human arthritic cartilage in situ. In vitro mimicking effect by transforming growth factor β^2 . Arthritis and Rheumatism, 1997, 40, 1653-1661.	6.7	163
3	Interleukin-1 β -converting enzyme/caspase-1 in human osteoarthritic tissues: Localization and role in the maturation of interleukin-1 β and interleukin-18. Arthritis and Rheumatism, 1999, 42, 1577-1587.	6.7	126
4	Endothelin-1 (ET-1) promotes MMP-2 and MMP-9 induction involving the transcription factor NF- κ B in human osteosarcoma. Clinical Science, 2006, 110, 645-654.	4.3	93
5	Functional variants of POC5 identified in patients with idiopathic scoliosis. Journal of Clinical Investigation, 2015, 125, 1124-1128.	8.2	87
6	Anabolic and catabolic responses of human articular chondrocytes to varying oxygen percentages. Arthritis Research and Therapy, 2010, 12, R34.	3.5	78
7	Role of Chd7 in Zebrafish: A Model for CHARGE Syndrome. PLoS ONE, 2012, 7, e31650.	2.5	74
8	Wear Protection without Surface Modification Using a Synergistic Mixture of Molecular Brushes and Linear Polymers. ACS Nano, 2017, 11, 1762-1769.	14.6	58
9	Effects of in vivo static compressive loading on aggrecan and type II and X collagens in the rat growth plate extracellular matrix. Bone, 2009, 44, 306-315.	2.9	57
10	Do estrogens impact adolescent idiopathic scoliosis?. Trends in Endocrinology and Metabolism, 2009, 20, 147-152.	7.1	53
11	Estrogen cross-talk with the melatonin signaling pathway in human osteoblasts derived from adolescent idiopathic scoliosis patients. Journal of Pineal Research, 2008, 45, 383-393.	7.4	49
12	Endothelin 1 promotes osteoarthritic cartilage degradation via matrix metalloprotease 1 and matrix metalloprotease 13 induction. Arthritis and Rheumatism, 2003, 48, 2855-2864.	6.7	45
13	New disease gene location and high genetic heterogeneity in idiopathic scoliosis. European Journal of Human Genetics, 2011, 19, 865-869.	2.8	41
14	Intermolecular Interactions between Bottlebrush Polymers Boost the Protection of Surfaces against Frictional Wear. Chemistry of Materials, 2018, 30, 4140-4149.	6.7	41
15	In vivo dynamic bone growth modulation is less detrimental but as effective as static growth modulation. Bone, 2011, 49, 996-1004.	2.9	34
16	Microarray expression profiling identifies genes with altered expression in Adolescent Idiopathic Scoliosis. European Spine Journal, 2013, 22, 1300-1311.	2.2	33
17	Endothelin-1 in osteoarthritic chondrocytes triggers nitric oxide production and upregulates collagenase production. Arthritis Research, 2005, 7, R324.	2.0	32
18	Nociceptive tolerance is improved by bradykinin receptor B1 antagonism and joint morphology is protected by both endothelin type A and bradykinin receptor B1 antagonism in a surgical model of osteoarthritis. Arthritis Research and Therapy, 2011, 13, R76.	3.5	32

#	ARTICLE	IF	CITATIONS
19	Growth plate explants respond differently to in vitro static and dynamic loadings. <i>Journal of Orthopaedic Research</i> , 2011, 29, 473-480.	2.3	28
20	In vivo dynamic loading reduces bone growth without histomorphometric changes of the growth plate. <i>Journal of Orthopaedic Research</i> , 2014, 32, 1129-1136.	2.3	25
21	Adolescent idiopathic scoliosis associated POC5 mutation impairs cell cycle, cilia length and centrosome protein interactions. <i>PLoS ONE</i> , 2019, 14, e0213269.	2.5	25
22	High Impact Exercise Improves Bone Microstructure and Strength in Growing Rats. <i>Scientific Reports</i> , 2019, 9, 13128.	3.3	18
23	CONSTITUTIVE AND INDUCIBLE EXPRESSION OF ENDOTHELIN-1 IN PRIMARY RAT ARTICULAR CHONDROCYTE CULTURE. <i>Cytokine</i> , 1997, 9, 556-562.	3.2	17
24	The metabolic basis of adolescent idiopathic scoliosis: 2011 report of the "œmetabolic" workgroup of the Fondation Yves Cotrel. <i>European Spine Journal</i> , 2012, 21, 1033-1042.	2.2	17
25	Genetic variant of TLL11 gene and subsequent ciliary defects are associated with idiopathic scoliosis in a 5-generation UK family. <i>Scientific Reports</i> , 2021, 11, 11026.	3.3	16
26	New Emerging Role of Pitx1 Transcription Factor in Osteoarthritis Pathogenesis. <i>Clinical Orthopaedics and Related Research</i> , 2007, 462, 59-66.	1.5	15
27	Chitosan-Based Nanogels: Synthesis and Toxicity Profile for Drug Delivery to Articular Joints. <i>Nanomaterials</i> , 2022, 12, 1337.	4.1	15
28	Compressive mechanical modulation alters the viability of growth plate chondrocytes in vitro. <i>Journal of Orthopaedic Research</i> , 2015, 33, 1587-1593.	2.3	12
29	Growth plate cartilage shows different strain patterns in response to static versus dynamic mechanical modulation. <i>Biomechanics and Modeling in Mechanobiology</i> , 2016, 15, 933-946.	2.8	10
30	Granulocyte-macrophage colony stimulating factor is anabolic and interleukin-1 β is catabolic for rat articular chondrocytes. <i>Cytokine</i> , 2008, 44, 366-372.	3.2	9
31	In situ deformation of growth plate chondrocytes in stress-controlled static vs dynamic compression. <i>Journal of Biomechanics</i> , 2017, 56, 76-82.	2.1	9
32	Static and dynamic compression application and removal on the intervertebral discs of growing rats. <i>Journal of Orthopaedic Research</i> , 2016, 34, 290-298.	2.3	6
33	The 17 β -Estradiol induced upregulation of the Adhesion G-protein coupled receptor (ADGRG7) is modulated by ESR1 and SP1 complex. <i>Biology Open</i> , 2019, 8, .	1.2	6
34	Changes in growth plate extracellular matrix composition and biomechanics following in vitro static versus dynamic mechanical modulation. <i>Journal of Musculoskeletal Neuronal Interactions</i> , 2018, 18, 81-91.	0.1	5
35	Prevalence of POC5 Coding Variants in French-Canadian and British AIS Cohort. <i>Genes</i> , 2021, 12, 1032.	2.4	4
36	Bone growth resumption following in vivo static and dynamic compression removals on rats. <i>Bone</i> , 2015, 81, 662-668.	2.9	2

#	ARTICLE	IF	CITATIONS
37	Elucidating the inherent features of IS to better understand idiopathic scoliosis etiology and progression. Journal of Orthopaedics, 2021, 26, 126-129.	1.3	1