Florina Moldovan

List of Publications by Year
in descending order

37 papers	1,554 citations	361413 20 h-index	330143 37 g-index
37 all docs	37 docs citations	37 times ranked	1744 citing authors

#	Article	IF	Citations
1	Chitosan-Based Nanogels: Synthesis and Toxicity Profile for Drug Delivery to Articular Joints. Nanomaterials, 2022, 12, 1337.	4.1	15
2	Genetic variant of TTLL11 gene and subsequent ciliary defects are associated with idiopathic scoliosis in a 5-generation UK family. Scientific Reports, 2021, 11, 11026.	3.3	16
3	Prevalence of POC5 Coding Variants in French-Canadian and British AIS Cohort. Genes, 2021, 12, 1032.	2.4	4
4	Elucidating the inherent features of IS to better understand idiopathic scoliosis etiology and progression. Journal of Orthopaedics, 2021, 26, 126-129.	1.3	1
5	The 17Î²-Estradiol induced upregulation of the Adhesion G-protein coupled receptor (ADGRG7) is modulated by ESRÎ± and SP1 complex. Biology Open, 2019, 8, .	1.2	6
6	High Impact Exercise Improves Bone Microstructure and Strength in Growing Rats. Scientific Reports, 2019, 9, 13128.	3.3	18
7	Adolescent idiopathic scoliosis associated POC5 mutation impairs cell cycle, cilia length and centrosome protein interactions. PLoS ONE, 2019, 14, e0213269.	2.5	25
8	Intermolecular Interactions between Bottlebrush Polymers Boost the Protection of Surfaces against Frictional Wear. Chemistry of Materials, 2018, 30, 4140-4149.	6.7	41
9	Changes in growth plate extracellular matrix composition and biomechanics following in vitro static versus dynamic mechanical modulation. Journal of Musculoskeletal Neuronal Interactions, 2018, 18, 81-91.	0.1	5
10	Wear Protection without Surface Modification Using a Synergistic Mixture of Molecular Brushes and Linear Polymers. ACS Nano, 2017, 11, 1762-1769.	14.6	58
11	In situ deformation of growth plate chondrocytes in stress-controlled static vs dynamic compression. Journal of Biomechanics, 2017, 56, 76-82.	2.1	9
12	Growth plate cartilage shows different strain patterns in response to static versus dynamic mechanical modulation. Biomechanics and Modeling in Mechanobiology, 2016, 15, 933-946.	2.8	10
13	Static and dynamic compression application and removal on the intervertebral discs of growing rats. Journal of Orthopaedic Research, 2016, 34, 290-298.	2.3	6
14	Compressive mechanical modulation alters the viability of growth plate chondrocytes in vitro. Journal of Orthopaedic Research, 2015, 33, 1587-1593.	2.3	12
15	Functional variants of POC5 identified in patients with idiopathic scoliosis. Journal of Clinical Investigation, 2015, 125, 1124-1128.	8.2	87
16	Bone growth resumption following in vivo static and dynamic compression removals on rats. Bone, 2015, 81, 662-668.	2.9	2
17	In vivo dynamic loading reduces bone growth without histomorphometric changes of the growth plate. Journal of Orthopaedic Research, 2014, 32, 1129-1136.	2.3	25
18	Microarray expression profiling identifies genes with altered expression in Adolescent Idiopathic Scoliosis. European Spine Journal, 2013, 22, 1300-1311.	2.2	33

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19	The metabolic basis of adolescent idiopathic scoliosis: 2011 report of the â€œmetabolicâ€•workgroup of the Fondation Yves Cotrel. European Spine Journal, 2012, 21, 1033-1042.	2.2	17
20	Role of Chd7 in Zebrafish: A Model for CHARGE Syndrome. PLoS ONE, 2012, 7, e31650.	2.5	74
21	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
22	In vivo dynamic bone growth modulation is less detrimental but as effective as static growth modulation. Bone, 2011, 49, 996-1004.	2.9	34
23	New disease gene location and high genetic heterogeneity in idiopathic scoliosis. European Journal of Human Genetics, 2011, 19, 865-869.	2.8	41
24	Growth plate explants respond differently to in vitro static and dynamic loadings. Journal of Orthopaedic Research, 2011, 29, 473-480.	2.3	28
25	Anabolic and catabolic responses of human articular chondrocytes to varying oxygen percentages. Arthritis Research and Therapy, 2010, 12, R34.	3.5	78
26	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
27	Do estrogens impact adolescent idiopathic scoliosis?. Trends in Endocrinology and Metabolism, 2009, 20, 147-152.	7.1	53
28	Estrogen crossâ€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
29	Granulocyte-macrophage colony stimulating factor is anabolic and interleukin-1Î² is catabolic for rat articular chondrocytes. Cytokine, 2008, 44, 366-372.	3.2	9
30	New Emerging Role of Pitx1 Transcription Factor in Osteoarthritis Pathogenesis. Clinical Orthopaedics and Related Research, 2007, 462, 59-66.	1.5	15
31	Endothelin-1 (ET-1) promotes MMP-2 and MMP-9 induction involving the transcription factor NF-Î°B in human osteosarcoma. Clinical Science, 2006, 110, 645-654.	4.3	93
32	Endothelin-1 in osteoarthritic chondrocytes triggers nitric oxide production and upregulates collagenase production. Arthritis Research, 2005, 7, R324.	2.0	32
33	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
34	Interleukin-1?-converting enzyme/caspase-1 in human osteoarthritic tissues: Localization and role in the maturation of interleukin-1? and interleukin-18. Arthritis and Rheumatism, 1999, 42, 1577-1587.	6.7	126
35	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
36	CONSTITUTIVE AND INDUCIBLE EXPRESSION OF ENDOTHELIN-1 IN PRIMARY RAT ARTICULAR CHONDROCYTE CULTURE. Cytokine, 1997, 9, 556-562.	3.2	17

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37	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 Î². Arthritis and Rheumatism, 1997, 40, 1653-1661.	6.7	163