Ali Mobasheri

List of Publications by Year
in descending order

328 papers	16,791 citations	11608 70 h-index	22102 113 g-index
481 all docs	481 docs citations	481 times ranked	18337 citing authors

#	Article	IF	Citations
1	The role of metabolism in the pathogenesis of osteoarthritis. Nature Reviews Rheumatology, 2017, 13, 302-311.	3.5	438
2	Mesenchymal stem cells in regenerative medicine: Focus on articular cartilage and intervertebral disc regeneration. Methods, 2016, 99, 69-80.	1.9	366
3	Aging and osteoarthritis: Central role of the extracellular matrix. Ageing Research Reviews, 2017, 40, 20-30.	5.0	335
4	Suppression of NF-Î°B activation by curcumin leads to inhibition of expression of cyclo-oxygenase-2 and matrix metalloproteinase-9 in human articular chondrocytes: Implications for the treatment of osteoarthritis. Biochemical Pharmacology, 2007, 73, 1434-1445.	2.0	300
5	Hypoxic Regulation of Glucose Transport, Anaerobic Metabolism and Angiogenesis in Cancer: Novel Pathways and Targets for Anticancer Therapeutics. Chemotherapy, 2007, 53, 233-256.	0.8	299
6	Na+, K+-ATPase Isozyme Diversity; Comparative Biochemistry and Physiological Implications of Novel Functional Interactions. Bioscience Reports, 2000, 20, 51-91.	1.1	280
7	Inflammatory mediators in osteoarthritis: A critical review of the state-of-the-art, current prospects, and future challenges. Bone, 2016, 85, 81-90.	1.4	279
8	Synergistic chondroprotective effects of curcumin and resveratrol in human articular chondrocytes: inhibition of IL-1Î²-induced NF-Î°B-mediated inflammation and apoptosis. Arthritis Research and Therapy, 2009, 11, R165.	1.6	260
9	The role of metabolism in chondrocyte dysfunction and the progression of osteoarthritis. Ageing Research Reviews, 2021, 66, 101249.	5.0	257
10	Osteoarthritis in the XXIst Century: Risk Factors and Behaviours that Influence Disease Onset and Progression. International Journal of Molecular Sciences, 2015, 16, 6093-6112.	1.8	254
11	An update on the pathophysiology of osteoarthritis. Annals of Physical and Rehabilitation Medicine, 2016, 59, 333-339.	1.1	247
12	Non-surgical management of knee osteoarthritis: comparison of ESCEO and OARSI 2019 guidelines. Nature Reviews Rheumatology, 2021, 17, 59-66.	3.5	233
13	Chondrocyte and mesenchymal stem cell-based therapies for cartilage repair in osteoarthritis and related orthopaedic conditions. Maturitas, 2014, 78, 188-198.	1.0	225
14	Biomarkers of Chondrocyte Apoptosis and Autophagy in Osteoarthritis. International Journal of Molecular Sciences, 2015, 16, 20560-20575.	1.8	217
15	INTEGRINS AND STRETCH ACTIVATED ION CHANNELS; PUTATIVE COMPONENTS OF FUNCTIONAL CELL SURFACE MECHANORECEPTORS IN ARTICULAR CHONDROCYTES. Cell Biology International, 2002, 26, 1-18.	1.4	194
16	Curcumin Modulates Nuclear Factor Î°B (NF-Î°B)-mediated Inflammation in Human Tenocytes in Vitro. Journal of Biological Chemistry, 2011, 286, 28556-28566.	1.6	192
17	Resveratrol-mediated SIRT-1 Interactions with p300 Modulate Receptor Activator of NF-Î°B Ligand (RANKL) Activation of NF-Î°B Signaling and Inhibit Osteoclastogenesis in Bone-derived Cells. Journal of Biological Chemistry, 2011, 286, 11492-11505.	1.6	190
18	Mesenchymal stem cells: Identification, phenotypic characterization, biological properties and potential for regenerative medicine through biomaterial micro-engineering of their niche. Methods, 2016, 99, 62-68.	1.9	189

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19	Mesenchymal stem cells in regenerative medicine: Opportunities and challenges for articular cartilage and intervertebral disc tissue engineering. Journal of Cellular Physiology, 2010, 222, 23-32.	2.0	188
20	The potential of lipocalin-2/NGAL as biomarker for inflammatory and metabolic diseases. Biomarkers, 2015, 20, 565-571.	0.9	188
21	Resveratrol Mediated Modulation of Sirt-1/Runx2 Promotes Osteogenic Differentiation of Mesenchymal Stem Cells: Potential Role of Runx2 Deacetylation. PLoS ONE, 2012, 7, e35712.	1.1	184
22	Resveratrol suppresses interleukin-1Î²-induced inflammatory signaling and apoptosis in human articular chondrocytes: Potential for use as a novel nutraceutical for the treatment of osteoarthritis. Biochemical Pharmacology, 2008, 76, 1426-1439.	2.0	179
23	Curcumin Enhances the Effect of Chemotherapy against Colorectal Cancer Cells by Inhibition of NF-ÎºB and Src Protein Kinase Signaling Pathways. PLoS ONE, 2013, 8, e57218.	1.1	178
24	The minor collagens in articular cartilage. Protein and Cell, 2017, 8, 560-572.	4.8	176
25	IGF-1 and PDGF-bb Suppress IL-1Î²-Induced Cartilage Degradation through Down-Regulation of NF-ÎºB Signaling: Involvement of Src/PI-3K/AKT Pathway. PLoS ONE, 2011, 6, e28663.	1.1	171
26	Application of Machine Learning to Proteomics Data: Classification and Biomarker Identification in Postgenomics Biology. OMICS A Journal of Integrative Biology, 2013, 17, 595-610.	1.0	171
27	Distribution of AQP2 and AQP3 water channels in human tissue microarrays. Journal of Molecular Histology, 2005, 36, 1-14.	1.0	166
28	The contribution of the synovium, synovial derived inflammatory cytokines and neuropeptides to the pathogenesis of osteoarthritis. Veterinary Journal, 2009, 179, 10-24.	0.6	163
29	Chondrosenescence: Definition, hallmarks and potential role in the pathogenesis of osteoarthritis. Maturitas, 2015, 80, 237-244.	1.0	162
30	Impaired glucose transporter-1 degradation and increased glucose transport and oxidative stress in response to high glucose in chondrocytes from osteoarthritic versus normal human cartilage. Arthritis Research and Therapy, 2009, 11, R80.	1.6	143
31	Biological actions of curcumin on articular chondrocytes. Osteoarthritis and Cartilage, 2010, 18, 141-149.	0.6	142
32	Osteoarthritis phenotypes and novel therapeutic targets. Biochemical Pharmacology, 2019, 165, 41-48.	2.0	135
33	Early-stage symptomatic osteoarthritis of the knee â€" time for action. Nature Reviews Rheumatology, 2021, 17, 621-632.	3.5	131
34	A new immunometabolic perspective of intervertebral disc degeneration. Nature Reviews Rheumatology, 2022, 18, 47-60.	3.5	131
35	Vimentin-Positive, c-KIT-Negative Interstitial Cells in Human and Rat Uterus: A Role in Pacemaking?1. Biology of Reproduction, 2005, 72, 276-283.	1.2	130
36	Chondrogenesis, osteogenesis and adipogenesis of canine mesenchymal stem cells: a biochemical, morphological and ultrastructural study. Histochemistry and Cell Biology, 2007, 128, 507-520.	0.8	128

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37	Resveratrol Inhibits IL-1beta-Induced Stimulation of Caspase-3 and Cleavage of PARP in Human Articular Chondrocytes in Vitro. Annals of the New York Academy of Sciences, 2007, 1095, 554-563.	1.8	127
38	Loss of chondrogenic potential in dedifferentiated chondrocytes correlates with deficient Shcâ€"Erk interaction and apoptosis. Osteoarthritis and Cartilage, 2004, 12, 448-458.	0.6	126
39	Cultivation of human tenocytes in high-density culture. Histochemistry and Cell Biology, 2004, 122, 219-228.	0.8	125
40	Osteoarthritis Year in Review 2016: biomarkers (biochemical markers). Osteoarthritis and Cartilage, 2017, 25, 199-208.	0.6	124
41	What is the evidence for a role for diet and nutrition in osteoarthritis?. Rheumatology, 2018, 57, iv61-iv74.	0.9	121
42	Apoptosis and the loss of chondrocyte survival signals contribute to articular cartilage degradation in osteoarthritis. Veterinary Journal, 2003, 166, 140-158.	0.6	119
43	Curcumin mediated suppression of nuclear factor-ÎºB promotes chondrogenic differentiation of mesenchymal stem cells in a high-density co-culture microenvironment. Arthritis Research and Therapy, 2010, 12, R127.	1.6	119
44	Adipokines and inflammation: is it a question of weight?. British Journal of Pharmacology, 2018, 175, 1569-1579.	2.7	119
45	Adipokines: Linking metabolic syndrome, the immune system, and arthritic diseases. Biochemical Pharmacology, 2019, 165, 196-206.	2.0	119
46	Curcumin protects human chondrocytes from IL-1Î²-induced inhibition of collagen type II and Î²1-integrin expression and activation of caspase-3: An immunomorphological study. Annals of Anatomy, 2005, 187, 487-497.	1.0	118
47	Adipose, Bone Marrow and Synovial Joint-Derived Mesenchymal Stem Cells for Cartilage Repair. Frontiers in Genetics, 2016, 7, 213.	1.1	118
48	Curcumin: a new paradigm and therapeutic opportunity for the treatment of osteoarthritis: curcumin for osteoarthritis management. SpringerPlus, 2013, 2, 56.	1.2	113
49	What is the current status of chondroitin sulfate and glucosamine for the treatment of knee osteoarthritis?. Maturitas, 2014, 78, 184-187.	1.0	103
50	Recent advances in understanding the phenotypes of osteoarthritis. F1000Research, 2019, 8, 2091.	0.8	103
51	Physical activity ameliorates cartilage degeneration in a rat model of aging: A study on lubricin expression. Scandinavian Journal of Medicine and Science in Sports, 2015, 25, e222-30.	1.3	102
52	Strategies for optimising musculoskeletal health in the 21st century. BMC Musculoskeletal Disorders, 2019, 20, 164.	0.8	102
53	The emerging chondrocyte channelome. Frontiers in Physiology, 2010, 1, 135.	1.3	101
54	Is there any scientific evidence for the use of glucosamine in the management of human osteoarthritis?. Arthritis Research and Therapy, 2012, 14, 201.	1.6	100

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55	Osteoarthritis year 2012 in review: biomarkers. Osteoarthritis and Cartilage, 2012, 20, 1451-1464.	0.6	97
56	Evidence for functional ATP-sensitive (KATP) potassium channels in human and equine articular chondrocytes. Osteoarthritis and Cartilage, 2007, 15, 1-8.	0.6	93
57	Co-culture of canine mesenchymal stem cells with primary bone-derived osteoblasts promotes osteogenic differentiation. Histochemistry and Cell Biology, 2009, 131, 251-266.	0.8	88
58	Establishing outcome measures in early knee osteoarthritis. Nature Reviews Rheumatology, 2019, 15, 438-448.	3.5	88
59	The Future of Osteoarthritis Therapeutics: Targeted Pharmacological Therapy. Current Rheumatology Reports, 2013, 15, 364.	2.1	83
60	Targeting Matrix Metalloproteinases in Inflammatory Conditions. Current Drug Targets, 2009, 10, 1245-1254.	1.0	82
61	Resveratrol Modulates Interleukin-1Î²-induced Phosphatidylinositol 3-Kinase and Nuclear Factor ÎºB Signaling Pathways in Human Tenocytes. Journal of Biological Chemistry, 2012, 287, 38050-38063.	1.6	82
62	The OMERACT-OARSI Core Domain Set for Measurement in Clinical Trials of Hip and/or Knee Osteoarthritis. Journal of Rheumatology, 2019, 46, 981-989.	1.0	82
63	Threeâ€dimensional highâ€density coâ€culture with primary tenocytes induces tenogenic differentiation in mesenchymal stem cells. Journal of Orthopaedic Research, 2011, 29, 1351-1360.	1.2	81
64	Ameliorative Effects of PACAP against Cartilage Degeneration. Morphological, Immunohistochemical and Biochemical Evidence from in Vivo and in Vitro Models of Rat Osteoarthritis. International Journal of Molecular Sciences, 2015, 16, 5922-5944.	1.8	81
65	Sirt-1 Is Required for the Inhibition of Apoptosis and Inflammatory Responses in Human Tenocytes. Journal of Biological Chemistry, 2012, 287, 25770-25781.	1.6	79
66	Age-related degeneration of articular cartilage in the pathogenesis of osteoarthritis: molecular markers of senescent chondrocytes. Histology and Histopathology, 2015, 30, 1-12.	0.5	79
67	HUMAN ARTICULAR CHONDROCYTES EXPRESS THREE FACILITATIVE GLUCOSE TRANSPORTER ISOFORMS: GLUT1, GLUT3 AND GLUT9. Cell Biology International, 2002, 26, 297-300.	1.4	78
68	Curcumin synergizes with resveratrol to stimulate the MAPK signaling pathway in human articular chondrocytes in vitro. Genes and Nutrition, 2011, 6, 171-179.	1.2	77
69	Molecular taxonomy of osteoarthritis for patient stratification, disease management and drug development: biochemical markers associated with emerging clinical phenotypes and molecular endotypes. Current Opinion in Rheumatology, 2019, 31, 80-89.	2.0	76
70	Osteogenic effects of resveratrol <i>in vitro</i>: potential for the prevention and treatment of osteoporosis. Annals of the New York Academy of Sciences, 2013, 1290, 59-66.	1.8	73
71	Osteoarthritis year in review 2015: soluble biomarkers and the BIPED criteria. Osteoarthritis and Cartilage, 2016, 24, 9-20.	0.6	73
72	Effects of Curcumin (Diferuloylmethane) on Nuclear Factor ÎºB Signaling in Interleukin-1Î²-Stimulated Chondrocytes. Annals of the New York Academy of Sciences, 2004, 1030, 578-586.	1.8	71

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73	The role of the membrane potential in chondrocyte volume regulation. Journal of Cellular Physiology, 2011, 226, 2979-2986.	2.0	69
74	Progranulin as a biomarker and potential therapeutic agent. Drug Discovery Today, 2017, 22, 1557-1564.	3.2	68
75	A correlation between intestinal microbiota dysbiosis and osteoarthritis. Heliyon, 2019, 5, e01134.	1.4	68
76	Role of chondrocyte death and hypocellularity in ageing human articular cartilage and the pathogenesis of osteoarthritis. Medical Hypotheses, 2002, 58, 193-197.	0.8	67
77	Interleukinâ€•1Î²â€"Induced Extracellular Matrix Degradation and Glycosaminoglycan Release Is Inhibited by Curcumin in an Explant Model of Cartilage Inflammation. Annals of the New York Academy of Sciences, 2009, 1171, 428-435.	1.8	67
78	Igf-I extends the chondrogenic potential of human articular chondrocytes in vitro: Molecular association between Sox9 and Erk1/2. Biochemical Pharmacology, 2006, 72, 1382-1395.	2.0	66
79	Aquaporin Water Channels in the Mammary Gland: From Physiology to Pathophysiology and Neoplasia. Journal of Mammary Gland Biology and Neoplasia, 2014, 19, 91-102.	1.0	66
80	Scientific Evidence and Rationale for the Development of Curcumin and Resveratrol as Nutraceuticals for Joint Health. International Journal of Molecular Sciences, 2012, 13, 4202-4232.	1.8	65
81	Leptin in osteoarthritis: Focus on articular cartilage and chondrocytes. Life Sciences, 2015, 140, 75-78.	2.0	65
82	In vitro models of cancer stem cells and clinical applications. BMC Cancer, 2016, 16, 738.	1.1	65
83	Chondrocyte secretome: a source of novel insights and exploratory biomarkers of osteoarthritis. Osteoarthritis and Cartilage, 2017, 25, 1199-1209.	0.6	65
84	Nutraceutical Therapies for Degenerative Joint Diseases: A Critical Review. Critical Reviews in Food Science and Nutrition, 2005, 45, 145-164.	5.4	64
85	Molecular characterization and partial cDNA cloning of facilitative glucose transporters expressed in human articular chondrocytes; stimulation of 2-deoxyglucose uptake by IGF-I and elevated MMP-2 secretion by glucose deprivation. Osteoarthritis and Cartilage, 2003, 11, 92-101.	0.6	63
86	The Future of Osteoarthritis Therapeutics: Emerging Biological Therapy. Current Rheumatology Reports, 2013, 15, 385.	2.1	63
87	Bacterial lipopolysaccharides form procollagen-endotoxin complexes that trigger cartilage inflammation and degeneration: implications for the development of rheumatoid arthritis. Arthritis Research and Therapy, 2013, 15, R111.	1.6	63
88	Distribution of the AQP4 Water Channel in Normal Human Tissues: Protein and Tissue Microarrays Reveal Expression in Several New Anatomical Locations, including the Prostate Gland and Seminal Vesicles. Channels, 2007, 1, 30-39.	1.5	61
89	Expression of glucose transporters GLUT-1, GLUT-3, GLUT-9 and HIF-1Î± in normal and degenerate human intervertebral disc. Histochemistry and Cell Biology, 2008, 129, 503-511.	0.8	61
90	High throughput proteomic analysis of the secretome in an explant model of articular cartilage inflammation. Journal of Proteomics, 2011, 74, 704-715.	1.2	61

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91	Peripheral Calcitonin Geneâ€Related Peptide Receptor Activation and Mechanical Sensitization of the Joint in Rat Models of Osteoarthritis Pain. Arthritis and Rheumatology, 2014, 66, 2188-2200.	2.9	60
92	The chondrocyte channelome: A narrative review. Joint Bone Spine, 2019, 86, 29-35.	0.8	60
93	Intersection of Inflammation and Herbal Medicine in the Treatment of Osteoarthritis. Current Rheumatology Reports, 2012, 14, 604-616.	2.1	59
94	Regulation of chondrogenesis by protein kinase C: Emerging new roles in calcium signalling. Cellular Signalling, 2014, 26, 979-1000.	1.7	59
95	Biosynthesis of collagen I, II, RUNX2 and lubricin at different time points of chondrogenic differentiation in a 3D in vitro model of human mesenchymal stem cells derived from adipose tissue. Acta Histochemica, 2014, 116, 1407-1417.	0.9	58
96	Lubricin expression in human osteoarthritic knee meniscus and synovial fluid: A morphological, immunohistochemical and biochemical study. Acta Histochemica, 2014, 116, 965-972.	0.9	56
97	Biomarkers of (osteo)arthritis. Biomarkers, 2015, 20, 513-518.	0.9	56
98	Effects of hypoxia on glucose transport in primary equine chondrocytes <i>in vitro</i> and evidence of reduced GLUT1 gene expression in pathologic cartilage <i>in vivo</i>. Journal of Orthopaedic Research, 2009, 27, 529-535.	1.2	55
99	Matrix metalloproteinases in inflammatory pathologies of the horse. Veterinary Journal, 2010, 183, 27-38.	0.6	54
100	Glucose: an energy currency and structural precursor in articular cartilage and bone with emerging roles as an extracellular signaling molecule and metabolic regulator. Frontiers in Endocrinology, 2012, 3, 153.	1.5	54
101	Natural Products for Promoting Joint Health and Managing Osteoarthritis. Current Rheumatology Reports, 2018, 20, 72.	2.1	54
102	The Effect of Platelet-Rich Plasma on the Intra-Articular Microenvironment in Knee Osteoarthritis. International Journal of Molecular Sciences, 2021, 22, 5492.	1.8	54
103	Osteoarthritis endotype discovery via clustering of biochemical marker data. Annals of the Rheumatic Diseases, 2022, 81, 666-675.	0.5	51
104	Aquaporin water channels AQP1 and AQP3, are expressed in equine articular chondrocytes. Veterinary Journal, 2004, 168, 143-150.	0.6	50
105	Osteoarthritis biomarkers derived from cartilage extracellular matrix: Current status and future perspectives. Annals of Physical and Rehabilitation Medicine, 2016, 59, 145-148.	1.1	49
106	ATPase pumps in osteoclasts and osteoblasts. International Journal of Biochemistry and Cell Biology, 2002, 34, 459-476.	1.2	47
107	Characterization of a stretchâ€activated potassium channel in chondrocytes. Journal of Cellular Physiology, 2010, 223, 511-518.	2.0	47
108	Potassium channels in articular chondrocytes. Channels, 2012, 6, 416-425.	1.5	47

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109	Multi-classifier prediction of knee osteoarthritis progression from incomplete imbalanced longitudinal data. Scientific Reports, 2020, 10, 8427.	1.6	47
110	Glucose transporter Glut-1 is detectable in peri-necrotic regions in many human tumor types but not normal tissues: Study using tissue microarrays. Annals of Anatomy, 2010, 192, 133-138.	1.0	46
111	Voltage-Dependent Calcium Channels in Chondrocytes: Roles in Health and Disease. Current Rheumatology Reports, 2015, 17, 43.	2.1	46
112	Age-Related Alterations in Signaling Pathways in Articular Chondrocytes: Implications for the Pathogenesis and Progression of Osteoarthritis - A Mini-Review. Gerontology, 2017, 63, 29-35.	1.4	45
113	A Comprehensive Review of Stem Cells for Cartilage Regeneration in Osteoarthritis. Advances in Experimental Medicine and Biology, 2018, 1089, 23-36.	0.8	45
114	Natural Molecules for Healthy Lifestyles: Oleocanthal from Extra Virgin Olive Oil. Journal of Agricultural and Food Chemistry, 2019, 67, 3845-3853.	2.4	45
115	The Role of Physical Stimuli on Calcium Channels in Chondrogenic Differentiation of Mesenchymal Stem Cells. International Journal of Molecular Sciences, 2018, 19, 2998.	1.8	44
116	A machine learning heuristic to identify biologically relevant and minimal biomarker panels from omics data. BMC Genomics, 2015, 16, S2.	1.2	43
117	LEF1â€mediated MMP13 gene expression is repressed by SIRT1 in human chondrocytes. FASEB Journal, 2017, 31, 3116-3125.	0.2	43
118	Serum NT/CT SIRT1 ratio reflects early osteoarthritis and chondrosenescence. Annals of the Rheumatic Diseases, 2020, 79, 1370-1380.	0.5	42
119	Nanotechnological Strategies for Osteoarthritis Diagnosis, Monitoring, Clinical Management, and Regenerative Medicine: Recent Advances and Future Opportunities. Current Rheumatology Reports, 2020, 22, 12.	2.1	42
120	The Role of Sirtuins in Cartilage Homeostasis and Osteoarthritis. Current Rheumatology Reports, 2016, 18, 43.	2.1	41
121	Development and use of biochemical markers in osteoarthritis: current update. Current Opinion in Rheumatology, 2018, 30, 121-128.	2.0	40
122	Cohort profile: The Applied Public-Private Research enabling OsteoArthritis Clinical Headway (IMI-APPROACH) study: a 2-year, European, cohort study to describe, validate and predict phenotypes of osteoarthritis using clinical, imaging and biochemical markers. BMJ Open, 2020, 10, e035101.	0.8	40
123	Effect of osmotic stress on the expression of TRPV4 and BK_{Ca} channels and possible interaction with ERK1/2 and p38 in cultured equine chondrocytes. American Journal of Physiology - Cell Physiology, 2014, 306, C1050-C1057.	2.1	38
124	Expression of the GLUT1 and GLUT9 facilitative glucose transporters in embryonic chondroblasts and mature chondrocytes in ovine articular cartilage. Cell Biology International, 2005, 29, 249-260.	1.4	36
125	Aquaporin expression in the human intervertebral disc. Journal of Molecular Histology, 2008, 39, 303-309.	1.0	36
126	Cellular localization of aquaporins along the secretory pathway of the lactating bovine mammary gland: An immunohistochemical study. Acta Histochemica, 2011, 113, 137-149.	0.9	36

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127	Altered joint tribology in osteoarthritis: Reduced lubricin synthesis due to the inflammatory process. New horizons for therapeutic approaches. Annals of Physical and Rehabilitation Medicine, 2016, 59, 149-156.	1.1	36
128	Engineered cartilage regeneration from adipose tissue derived-mesenchymal stem cells: A morphomolecular study on osteoblast, chondrocyte and apoptosis evaluation. Experimental Cell Research, 2017, 357, 222-235.	1.2	36
129	Differential cellular expression of FXYD1 (phospholemman) and FXYD2 (gamma subunit of Na, K-ATPase) in normal human tissues: A study using high density human tissue microarrays. Annals of Anatomy, 2010, 192, 7-16.	1.0	35
130	Botanical Extracts from Rosehip (<i>Rosa canina</i>), Willow Bark (Salix alba), and Nettle Leaf (<i>Urtica dioica</i>) Suppress IL-1<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="bold">Î²</mml:mi></mml:math>-Induced NF-ÎºB Activation in Canine Articular Chondrocytes. Evidence-based Complementary and Alternative Medicine, 2012, 2012, 1-16.	0.5	35
131	A Novel High Sensitivity Type II Collagen Blood-Based Biomarker, PRO-C2, for Assessment of Cartilage Formation. International Journal of Molecular Sciences, 2018, 19, 3485.	1.8	35
132	TissueGene-C promotes an anti-inflammatory micro-environment in a rat monoiodoacetate model of osteoarthritis via polarization of M2 macrophages leading to pain relief and structural improvement. Inflammopharmacology, 2020, 28, 1237-1252.	1.9	35
133	Targeting mitochondrial dysfunction with small molecules in intervertebral disc aging and degeneration. GeroScience, 2021, 43, 517-537.	2.1	35
134	Regulation of 2-Deoxy-d-Glucose Transport, Lactate Metabolism, and MMP-2 Secretion by the Hypoxia Mimetic Cobalt Chloride in Articular Chondrocytes. Annals of the New York Academy of Sciences, 2006, 1091, 83-93.	1.8	34
135	Na,K-ATPase Isozymes in Colorectal Cancer and Liver Metastases. Frontiers in Physiology, 2016, 7, 9.	1.3	34
136	Heterogeneous expression of the aquaporin 1 (AQP1) water channel in tumors of the prostate, breast, ovary, colon and lung: a study using high density multiple human tumor tissue microarrays. International Journal of Oncology, 2005, 26, 1149-58.	1.4	34
137	Expression and function of K(ATP) channels in normal and osteoarthritic human chondrocytes: Possible role in glucose sensing. Journal of Cellular Biochemistry, 2013, 114, 1879-1889.	1.2	33
138	Water intake, faecal output and intestinal motility in horses moved from pasture to a stabled management regime with controlled exercise. Equine Veterinary Journal, 2015, 47, 96-100.	0.9	33
139	Multiplexed Nanobiosensors: Current Trends in Early Diagnostics. Sensors, 2020, 20, 6890.	2.1	33
140	Curcumin reduces prostaglandin E2, matrix metalloproteinase-3 and proteoglycan release in the secretome of interleukin 1Î²-treated articular cartilage. F1000Research, 2013, 2, 147.	0.8	33
141	Chondrocyte channel transcriptomics. Channels, 2013, 7, 459-467.	1.5	32
142	Physicochemical and Biomechanical Stimuli in Cell-Based Articular Cartilage Repair. Current Rheumatology Reports, 2015, 17, 22.	2.1	32
143	The secretome of skeletal muscle cells: A systematic review. Osteoarthritis and Cartilage Open, 2020, 2, 100019.	0.9	32
144	The inhibition of NFÐºB signaling and inflammatory response as a strategy for blunting bile acid-induced hepatic and renal toxicity. Toxicology Letters, 2021, 349, 12-29.	0.4	32

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145	Epithelial Na, K-ATPase expression is down-regulated in canine prostate cancer; a possible consequence of metabolic transformation in the process of prostate malignancy. Cancer Cell International, 2003, 3, 8.	1.8	31
146	Regeneration influences expression of the Na+,K+-atpase subunit isoforms in the rat peripheral nervous system. Neuroscience, 2004, 129, 691-702.	1.1	31
147	Differential regulation of the GLUT1 and GLUT3 glucose transporters by growth factors and pro-inflammatory cytokines in equine articular chondrocytes. Veterinary Journal, 2005, 169, 216-222.	0.6	31
148	Heterogeneous expression of the aquaporin 1 (AQP1) water channel in tumors of the prostate, breast, ovary, colon and lung: A study using high density multiple human tumor tissue microarrays. International Journal of Oncology, 2005, 26, 1149.	1.4	31
149	Expression of aquaporin 1 (AQP1) in human synovitis. Annals of Anatomy, 2010, 192, 116-121.	1.0	31
150	Carprofen inhibits the release of matrix metalloproteinases 1, 3, and 13 in the secretome of an explant model of articular cartilage stimulated with interleukin 1Î². Arthritis Research and Therapy, 2013, 15, R223.	1.6	31
151	Quantitative analysis of voltage-gated potassium currents from primary equine (Equus caballus) and elephant (Loxodonta africana) articular chondrocytes. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 289, R172-R180.	0.9	30
152	Emerging Technologies and Platforms for the Immunodetection of Multiple Biochemical Markers in Osteoarthritis Research and Therapy. Frontiers in Medicine, 2020, 7, 572977.	1.2	28
153	A consensus-based framework for conducting and reporting osteoarthritis phenotype research. Arthritis Research and Therapy, 2020, 22, 54.	1.6	28
154	Blood and urine biomarkers in osteoarthritis â€“ an update on cartilage associated type II collagen and aggrecan markers. Current Opinion in Rheumatology, 2022, 34, 54-60.	2.0	28
155	Expression of Transient Receptor Potential Vanilloid (TRPV) Channels in Different Passages of Articular Chondrocytes. International Journal of Molecular Sciences, 2012, 13, 4433-4445.	1.8	27
156	Editorial: [Hot Topic: Epigenetics in Arthritis]. Current Rheumatology Reviews, 2012, 8, 77-79.	0.4	27
157	Biomarkers of fitness and welfare in dairy cattle: healthy productivity. Journal of Dairy Research, 2020, 87, 4-13.	0.7	27
158	Distribution, expression and functional effects of small conductance Ca-activated potassium (SK) channels in rat myometrium. Cell Calcium, 2010, 47, 47-54.	1.1	26
159	Benzamil sensitive ion channels contribute to volume regulation in canine chondrocytes. British Journal of Pharmacology, 2013, 168, 1584-1596.	2.7	26
160	Health systems strengthening to arrest the global disability burden: empirical development of prioritised components for a global strategy for improving musculoskeletal health. BMJ Global Health, 2021, 6, e006045.	2.0	26
161	The biology of equine mesenchymal stem cells: phenotypic characterization, cell surface markers and multilineage differentiation. Frontiers in Bioscience - Landmark, 2012, 17, 892.	3.0	25
162	Physiological effects of oral glucosamine on joint health: current status and consensus on future research priorities. BMC Research Notes, 2013, 6, 115.	0.6	25

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163	Biomaterials for Regenerative Medicine: Historical Perspectives and Current Trends. Advances in Experimental Medicine and Biology, 2018, 1119, 1-19.	0.8	25
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