Ali Mobasheri

List of Publications by Citations

301 papers	11,871 citations	60 h-index	96 g-index
481 ext. papers	14,244 ext. citations	3.9 avg, IF	6.9 L-index

#	Paper	IF	Citations
301	Hypoxic regulation of glucose transport, anaerobic metabolism and angiogenesis in cancer: novel pathways and targets for anticancer therapeutics. *Chemotherapy*, **2007**, 53, 233-56	3.2	271
300	Mesenchymal stem cells in regenerative medicine: Focus on articular cartilage and intervertebral disc regeneration. *Methods*, **2016**, 99, 69-80	4.6	263
299	Suppression of NF-kappaB 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, 1434-45	6	263
298	The role of metabolism in the pathogenesis of osteoarthritis. *Nature Reviews Rheumatology*, **2017**, 13, 302-311	8.1	262
297	Na+, K+-ATPase isozyme diversity; comparative biochemistry and physiological implications of novel functional interactions. *Bioscience Reports*, **2000**, 20, 51-91	4.1	234
296	Inflammatory mediators in osteoarthritis: A critical review of the state-of-the-art, current prospects, and future challenges. *Bone*, **2016**, 85, 81-90	4.7	225
295	Synergistic chondroprotective effects of curcumin and resveratrol in human articular chondrocytes: inhibition of IL-1beta-induced NF-kappaB-mediated inflammation and apoptosis. *Arthritis Research and Therapy*, **2009**, 11, R165	5.7	217
294	Aging and osteoarthritis: Central role of the extracellular matrix. *Ageing Research Reviews*, **2017**, 40, 20-30	12	191
293	Chondrocyte and mesenchymal stem cell-based therapies for cartilage repair in osteoarthritis and related orthopaedic conditions. *Maturitas*, **2014**, 78, 188-98	5	178
292	Osteoarthritis in the XXIst century: risk factors and behaviours that influence disease onset and progression. *International Journal of Molecular Sciences*, **2015**, 16, 6093-112	6.3	172
291	Integrins and stretch activated ion channels; putative components of functional cell surface mechanoreceptors in articular chondrocytes. *Cell Biology International*, **2002**, 26, 1-18	4.5	162
290	Resveratrol suppresses interleukin-1beta-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, 1426-39	6	161
289	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	7	153
288	Curcumin modulates nuclear factor kappaB (NF-kappaB)-mediated inflammation in human tenocytes in vitro: role of the phosphatidylinositol 3-kinase/Akt pathway. *Journal of Biological Chemistry*, **2011**, 286, 28556-66	5.4	152
287	Resveratrol mediated modulation of Sirt-1/Runx2 promotes osteogenic differentiation of mesenchymal stem cells: potential role of Runx2 deacetylation. *PLoS ONE*, **2012**, 7, e35712	3.7	152
286	Resveratrol-mediated SIRT-1 interactions with p300 modulate receptor activator of NF-kappaB ligand (RANKL) activation of NF-kappaB signaling and inhibit osteoclastogenesis in bone-derived cells. *Journal of Biological Chemistry*, **2011**, 286, 11492-505	5.4	151
285	Mesenchymal stem cells: Identification, phenotypic characterization, biological properties and potential for regenerative medicine through biomaterial micro-engineering of their niche. *Methods*, **2016**, 99, 62-8	4.6	149

284	Curcumin enhances the effect of chemotherapy against colorectal cancer cells by inhibition of NF-B and Src protein kinase signaling pathways. *PLoS ONE*, **2013**, 8, e57218	3.7	149
283	Biomarkers of Chondrocyte Apoptosis and Autophagy in Osteoarthritis. *International Journal of Molecular Sciences*, **2015**, 16, 20560-75	6.3	143
282	Distribution of AQP2 and AQP3 water channels in human tissue microarrays. *Journal of Molecular Histology*, **2005**, 36, 1-14	3.3	140
281	IGF-1 and PDGF-bb suppress IL-1induced cartilage degradation through down-regulation of NF-B signaling: involvement of Src/PI-3K/AKT pathway. *PLoS ONE*, **2011**, 6, e28663	3.7	136
280	An update on the pathophysiology of osteoarthritis. *Annals of Physical and Rehabilitation Medicine*, **2016**, 59, 333-339	3.8	134
279	The contribution of the synovium, synovial derived inflammatory cytokines and neuropeptides to the pathogenesis of osteoarthritis. *Veterinary Journal*, **2009**, 179, 10-24	2.5	132
278	The potential of lipocalin-2/NGAL as biomarker for inflammatory and metabolic diseases. *Biomarkers*, **2015**, 20, 565-71	2.6	129
277	Application of machine learning to proteomics data: classification and biomarker identification in postgenomics biology. *OMICS A Journal of Integrative Biology*, **2013**, 17, 595-610	3.8	124
276	Chondrosenescence: definition, hallmarks and potential role in the pathogenesis of osteoarthritis. *Maturitas*, **2015**, 80, 237-44	5	122
275	Biological actions of curcumin on articular chondrocytes. *Osteoarthritis and Cartilage*, **2010**, 18, 141-9	6.2	122
274	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	5.7	116
273	Vimentin-positive, c-kit-negative interstitial cells in human and rat uterus: a role in pacemaking?. *Biology of Reproduction*, **2005**, 72, 276-83	3.9	116
272	Chondrogenesis, osteogenesis and adipogenesis of canine mesenchymal stem cells: a biochemical, morphological and ultrastructural study. *Histochemistry and Cell Biology*, **2007**, 128, 507-20	2.4	111
271	The minor collagens in articular cartilage. *Protein and Cell*, **2017**, 8, 560-572	7.2	108
270	Loss of chondrogenic potential in dedifferentiated chondrocytes correlates with deficient Shc-Erk interaction and apoptosis. *Osteoarthritis and Cartilage*, **2004**, 12, 448-58	6.2	108
269	Cultivation of human tenocytes in high-density culture. *Histochemistry and Cell Biology*, **2004**, 122, 219-28	2.4	106
268	Curcumin protects human chondrocytes from IL-l1beta-induced inhibition of collagen type II and beta1-integrin expression and activation of caspase-3: an immunomorphological study. *Annals of Anatomy*, **2005**, 187, 487-97	2.9	106
267	Resveratrol inhibits IL-1 beta-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, 554-63	6.5	103

266	Curcumin mediated suppression of nuclear factor-Β promotes chondrogenic differentiation of mesenchymal stem cells in a high-density co-culture microenvironment. *Arthritis Research and Therapy*, **2010**, 12, R127	5.7	100
265	Apoptosis and the loss of chondrocyte survival signals contribute to articular cartilage degradation in osteoarthritis. *Veterinary Journal*, **2003**, 166, 140-58	2.5	98
264	Osteoarthritis Year in Review 2016: biomarkers (biochemical markers). *Osteoarthritis and Cartilage*, **2017**, 25, 199-208	6.2	95
263	Adipose, Bone Marrow and Synovial Joint-Derived Mesenchymal Stem Cells for Cartilage Repair. *Frontiers in Genetics*, **2016**, 7, 213	4.5	95
262	Curcumin: a new paradigm and therapeutic opportunity for the treatment of osteoarthritis: curcumin for osteoarthritis management. *SpringerPlus*, **2013**, 2, 56		85
261	Osteoarthritis phenotypes and novel therapeutic targets. *Biochemical Pharmacology*, **2019**, 165, 41-48	6	84
260	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	4.6	82
259	Adipokines and inflammation: is it a question of weight?. *British Journal of Pharmacology*, **2018**, 175, 1569-1579	8.6	79
258	Evidence for functional ATP-sensitive (K(ATP)) potassium channels in human and equine articular chondrocytes. *Osteoarthritis and Cartilage*, **2007**, 15, 1-8	6.2	79
257	Osteoarthritis year 2012 in review: biomarkers. *Osteoarthritis and Cartilage*, **2012**, 20, 1451-64	6.2	77
256	Adipokines: Linking metabolic syndrome, the immune system, and arthritic diseases. *Biochemical Pharmacology*, **2019**, 165, 196-206	6	76
255	Targeting matrix metalloproteinases in inflammatory conditions. *Current Drug Targets*, **2009**, 10, 1245-54	3	76
254	The future of osteoarthritis therapeutics: targeted pharmacological therapy. *Current Rheumatology Reports*, **2013**, 15, 364	4.9	74
253	Co-culture of canine mesenchymal stem cells with primary bone-derived osteoblasts promotes osteogenic differentiation. *Histochemistry and Cell Biology*, **2009**, 131, 251-66	2.4	74
252	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, 5922-44	6.3	73
251	The emerging chondrocyte channelome. *Frontiers in Physiology*, **2010**, 1, 135	4.6	73
250	What is the current status of chondroitin sulfate and glucosamine for the treatment of knee osteoarthritis?. *Maturitas*, **2014**, 78, 184-7	5	72
249	Is there any scientific evidence for the use of glucosamine in the management of human osteoarthritis?. *Arthritis Research and Therapy*, **2012**, 14, 201	5.7	72

248	Three-dimensional high-density co-culture with primary tenocytes induces tenogenic differentiation in mesenchymal stem cells. *Journal of Orthopaedic Research*, **2011**, 29, 1351-60	3.8	72
247	Resveratrol modulates interleukin-1β-induced phosphatidylinositol 3-kinase and nuclear factor κB signaling pathways in human tenocytes. *Journal of Biological Chemistry*, **2012**, 287, 38050-63	5.4	70
246	Non-surgical management of knee osteoarthritis: comparison of ESCEO and OARSI 2019 guidelines. *Nature Reviews Rheumatology*, **2021**, 17, 59-66	8.1	65
245	Osteoarthritis year in review 2015: soluble biomarkers and the BIPED criteria. *Osteoarthritis and Cartilage*, **2016**, 24, 9-20	6.2	64
244	Effects of curcumin (diferuloylmethane) on nuclear factor kappaB signaling in interleukin-1beta-stimulated chondrocytes. *Annals of the New York Academy of Sciences*, **2004**, 1030, 578-86	6.5	63
243	Sirt-1 is required for the inhibition of apoptosis and inflammatory responses in human tenocytes. *Journal of Biological Chemistry*, **2012**, 287, 25770-81	5.4	62
242	Curcumin synergizes with resveratrol to stimulate the MAPK signaling pathway in human articular chondrocytes in vitro. *Genes and Nutrition*, **2011**, 6, 171-9	4.3	61
241	Age-related degeneration of articular cartilage in the pathogenesis of osteoarthritis: molecular markers of senescent chondrocytes. *Histology and Histopathology*, **2015**, 30, 1-12	1.4	60
240	What is the evidence for a role for diet and nutrition in osteoarthritis?. *Rheumatology*, **2018**, 57, iv61-iv74	3.9	59
239	Role of chondrocyte death and hypocellularity in ageing human articular cartilage and the pathogenesis of osteoarthritis. *Medical Hypotheses*, **2002**, 58, 193-7	3.8	58
238	The role of metabolism in chondrocyte dysfunction and the progression of osteoarthritis. *Ageing Research Reviews*, **2021**, 66, 101249	12	58
237	The role of the membrane potential in chondrocyte volume regulation. *Journal of Cellular Physiology*, **2011**, 226, 2979-86	7	57
236	Igf-I extends the chondrogenic potential of human articular chondrocytes in vitro: molecular association between Sox9 and Erk1/2. *Biochemical Pharmacology*, **2006**, 72, 1382-95	6	57
235	Human articular chondrocytes express three facilitative glucose transporter isoforms: GLUT1, GLUT3 and GLUT9. *Cell Biology International*, **2002**, 26, 297-300	4.5	57
234	Nutraceutical therapies for degenerative joint diseases: a critical review. *Critical Reviews in Food Science and Nutrition*, **2005**, 45, 145-64	11.5	56
233	Interleukin-1beta-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, 428-35	6.5	55
232	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	6.2	54
231	Osteogenic effects of resveratrol in vitro: potential for the prevention and treatment of osteoporosis. *Annals of the New York Academy of Sciences*, **2013**, 1290, 59-66	6.5	53

230	The future of osteoarthritis therapeutics: emerging biological therapy. *Current Rheumatology Reports*, **2013**, 15, 385	4.9	53
229	Expression of glucose transporters GLUT-1, GLUT-3, GLUT-9 and HIF-1alpha in normal and degenerate human intervertebral disc. *Histochemistry and Cell Biology*, **2008**, 129, 503-11	2.4	53
228	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	3	53
227	Leptin in osteoarthritis: Focus on articular cartilage and chondrocytes. *Life Sciences*, **2015**, 140, 75-8	6.8	51
226	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, 1407-17	2	51
225	Peripheral calcitonin gene-related peptide receptor activation and mechanical sensitization of the joint in rat models of osteoarthritis pain. *Arthritis and Rheumatology*, **2014**, 66, 2188-200	9.5	51
224	Scientific evidence and rationale for the development of curcumin and resveratrol as nutraceutricals for joint health. *International Journal of Molecular Sciences*, **2012**, 13, 4202-32	6.3	51
223	Establishing outcome measures in early knee osteoarthritis. *Nature Reviews Rheumatology*, **2019**, 15, 438-448	8.1	50
222	In vitro models of cancer stem cells and clinical applications. *BMC Cancer*, **2016**, 16, 738	4.8	49
221	Progranulin as a biomarker and potential therapeutic agent. *Drug Discovery Today*, **2017**, 22, 1557-1564	8.8	49
220	A correlation between intestinal microbiota dysbiosis and osteoarthritis. *Heliyon*, **2019**, 5, e01134	3.6	48
219	Regulation of chondrogenesis by protein kinase C: Emerging new roles in calcium signalling. *Cellular Signalling*, **2014**, 26, 979-1000	4.9	47
218	Intersection of inflammation and herbal medicine in the treatment of osteoarthritis. *Current Rheumatology Reports*, **2012**, 14, 604-16	4.9	47
217	High throughput proteomic analysis of the secretome in an explant model of articular cartilage inflammation. *Journal of Proteomics*, **2011**, 74, 704-15	3.9	47
216	Chondrocyte secretome: a source of novel insights and exploratory biomarkers of osteoarthritis. *Osteoarthritis and Cartilage*, **2017**, 25, 1199-1209	6.2	46
215	Aquaporin water channels in the mammary gland: from physiology to pathophysiology and neoplasia. *Journal of Mammary Gland Biology and Neoplasia*, **2014**, 19, 91-102	2.4	46
214	Strategies for optimising musculoskeletal health in the 21 century. *BMC Musculoskeletal Disorders*, **2019**, 20, 164	2.8	45
213	Lubricin expression in human osteoarthritic knee meniscus and synovial fluid: a morphological, immunohistochemical and biochemical study. *Acta Histochemica*, **2014**, 116, 965-72	2	45

212	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	5.7	45
211	Aquaporin water channels AQP1 and AQP3, are expressed in equine articular chondrocytes. *Veterinary Journal*, **2004**, 168, 143-50	2.5	45
210	Recent advances in understanding the phenotypes of osteoarthritis. *F1000Research*, **2019**, 8,	3.6	45
209	Matrix metalloproteinases in inflammatory pathologies of the horse. *Veterinary Journal*, **2010**, 183, 27-38	2.5	43
208	Characterization of a stretch-activated potassium channel in chondrocytes. *Journal of Cellular Physiology*, **2010**, 223, 511-8	7	41
207	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	5.3	41
206	The chondrocyte channelome: A narrative review. *Joint Bone Spine*, **2019**, 86, 29-35	2.9	39
205	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, 133-8	2.9	38
204	ATPase pumps in osteoclasts and osteoblasts. *International Journal of Biochemistry and Cell Biology*, **2002**, 34, 459-76	5.6	38
203	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	5.7	37
202	Osteoarthritis biomarkers derived from cartilage extracellular matrix: Current status and future perspectives. *Annals of Physical and Rehabilitation Medicine*, **2016**, 59, 145-148	3.8	37
201	Potassium channels in articular chondrocytes. *Channels*, **2012**, 6, 416-25	3	36
200	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	5.5	35
199	Effects of hypoxia on glucose transport in primary equine chondrocytes in vitro and evidence of reduced GLUT1 gene expression in pathologic cartilage in vivo. *Journal of Orthopaedic Research*, **2009**, 27, 529-35	3.8	35
198	Voltage-dependent calcium channels in chondrocytes: roles in health and disease. *Current Rheumatology Reports*, **2015**, 17, 43	4.9	34
197	The OMERACT-OARSI Core Domain Set for Measurement in Clinical Trials of Hip and/or Knee Osteoarthritis. *Journal of Rheumatology*, **2019**, 46, 981-989	4.1	33
196	Natural Products for Promoting Joint Health and Managing Osteoarthritis. *Current Rheumatology Reports*, **2018**, 20, 72	4.9	33
195	LEF1-mediated MMP13 gene expression is repressed by SIRT1 in human chondrocytes. *FASEB Journal*, **2017**, 31, 3116-3125	0.9	32

194	Natural Molecules for Healthy Lifestyles: Oleocanthal from Extra Virgin Olive Oil. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 3845-3853	5.7	32
193	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	4.2	31
192	A Comprehensive Review of Stem Cells for Cartilage Regeneration in Osteoarthritis. *Advances in Experimental Medicine and Biology*, **2018**, 1089, 23-36	3.6	31
191	Cellular localization of aquaporins along the secretory pathway of the lactating bovine mammary gland: an immunohistochemical study. *Acta Histochemica*, **2011**, 113, 137-49	2	30
190	Botanical Extracts from Rosehip (Rosa canina), Willow Bark (Salix alba), and Nettle Leaf (Urtica dioica) Suppress IL-1□nduced NF-B Activation in Canine Articular Chondrocytes. *Evidence-based Complementary and Alternative Medicine*, **2012**, 2012, 509383	2.3	30
189	Expression of aquaporin 1 (AQP1) in human synovitis. *Annals of Anatomy*, **2010**, 192, 116-21	2.9	30
188	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	30
187	A machine learning heuristic to identify biologically relevant and minimal biomarker panels from omics data. *BMC Genomics*, **2015**, 16 Suppl 1, S2	4.5	29
186	Effect of osmotic stress on the expression of TRPV4 and BKCa channels and possible interaction with ERK1/2 and p38 in cultured equine chondrocytes. *American Journal of Physiology - Cell Physiology*, **2014**, 306, C1050-7	5.4	29
185	Aquaporin expression in the human intervertebral disc. *Journal of Molecular Histology*, **2008**, 39, 303-9	3.3	29
184	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	6.5	28
183	Expression of the GLUT1 and GLUT9 facilitative glucose transporters in embryonic chondroblasts and mature chondrocytes in ovine articular cartilage. *Cell Biology International*, **2005**, 29, 249-60	4.5	28
182	Curcumin reduces prostaglandin E2, matrix metalloproteinase-3 and proteoglycan release in the secretome of interleukin 1□treated articular cartilage. *F1000Research*, **2013**, 2, 147	3.6	28
181	The Role of Physical Stimuli on Calcium Channels in Chondrogenic Differentiation of Mesenchymal Stem Cells. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	28
180	The Role of Sirtuins in Cartilage Homeostasis and Osteoarthritis. *Current Rheumatology Reports*, **2016**, 18, 43	4.9	27
179	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	2.4	27
178	Chondrocyte channel transcriptomics: do microarray data fit with expression and functional data?. *Channels*, **2013**, 7, 459-67	3	27
177	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	2.9	27

176	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	6.4	27
175	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	3.8	27
174	Development and use of biochemical markers in osteoarthritis: current update. *Current Opinion in Rheumatology*, **2018**, 30, 121-128	5.3	26
173	Carprofen inhibits the release of matrix metalloproteinases 1, 3, and 13 in the secretome of an explant model of articular cartilage stimulated with interleukin 1 *Arthritis Research and Therapy*, **2013**, 15, R223	5.7	26
172	Expression and function of K(ATP) channels in normal and osteoarthritic human chondrocytes: possible role in glucose sensing. *Journal of Cellular Biochemistry*, **2013**, 114, 1879-89	4.7	25
171	Expression of Transient Receptor Potential Vanilloid (TRPV) channels in different passages of articular chondrocytes. *International Journal of Molecular Sciences*, **2012**, 13, 4433-45	6.3	25
170	Distribution, expression and functional effects of small conductance Ca-activated potassium (SK) channels in rat myometrium. *Cell Calcium*, **2010**, 47, 47-54	4	25
169	Differential regulation of the GLUT1 and GLUT3 glucose transporters by growth factors and pro-inflammatory cytokines in equine articular chondrocytes. *Veterinary Journal*, **2005**, 169, 216-22	2.5	24
168	Na,K-ATPase Isozymes in Colorectal Cancer and Liver Metastases. *Frontiers in Physiology*, **2016**, 7, 9	4.6	24
167	Nanotechnological Strategies for Osteoarthritis Diagnosis, Monitoring, Clinical Management, and Regenerative Medicine: Recent Advances and Future Opportunities. *Current Rheumatology Reports*, **2020**, 22, 12	4.9	23
166	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, 29-38	3	23
165	Regeneration influences expression of the Na+, K+-atpase subunit isoforms in the rat peripheral nervous system. *Neuroscience*, **2004**, 129, 691-702	3.9	22
164	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, R172-80	3.2	22
163	Multi-classifier prediction of knee osteoarthritis progression from incomplete imbalanced longitudinal data. *Scientific Reports*, **2020**, 10, 8427	4.9	22
162	Curcumin reduces prostaglandin E2, matrix metalloproteinase-3 and proteoglycan release in the secretome of interleukin 1 treated articular cartilage. *F1000Research*, **2013**, 2, 147	3.6	21
161	Proteomic identification and profiling of canine lymphoma patients. *Veterinary and Comparative Oncology*, **2009**, 7, 92-105	2.5	21
160	The biology of equine mesenchymal stem cells: phenotypic characterization, cell surface markers and multilineage differentiation. *Frontiers in Bioscience - Landmark*, **2012**, 17, 892-908	2.8	20
159	Physiological effects of oral glucosamine on joint health: current status and consensus on future research priorities. *BMC Research Notes*, **2013**, 6, 115	2.3	19

158	A Novel High Sensitivity Type II Collagen Blood-Based Biomarker, PRO-C2, for Assessment of Cartilage Formation. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	19
157	Molecular phenotyping of the surfaceome of migratory chondroprogenitors and mesenchymal stem cells using biotinylation, glycocapture and quantitative LC-MS/MS proteomic analysis. *Scientific Reports*, **2019**, 9, 9018	4.9	18
156	Physicochemical and biomechanical stimuli in cell-based articular cartilage repair. *Current Rheumatology Reports*, **2015**, 17, 22	4.9	18
155	Inhibition of Na+, K+-ATPase activates swelling-induced taurine efflux in a human neuroblastoma cell line. *Journal of Cellular Physiology*, **1998**, 174, 145-53	7	18
154	The Need for Predictive, Prognostic, Objective and Complementary Blood-Based Biomarkers in Osteoarthritis (OA). *EBioMedicine*, **2016**, 7, 4-6	8.8	18
153	Analysis of mass spectrometry data from the secretome of an explant model of articular cartilage exposed to pro-inflammatory and anti-inflammatory stimuli using machine learning. *BMC Musculoskeletal Disorders*, **2013**, 14, 349	2.8	17
152	Benzamil sensitive ion channels contribute to volume regulation in canine chondrocytes. *British Journal of Pharmacology*, **2013**, 168, 1584-96	8.6	17
151	Applications of proteomics to osteoarthritis, a musculoskeletal disease characterized by aging. *Frontiers in Physiology*, **2011**, 2, 108	4.6	17
150	Biomarkers in veterinary medicine: Towards targeted, individualised therapies for companion animals. *Veterinary Journal*, **2010**, 185, 1-3	2.5	17
149	Expression and nephron segment-specific distribution of major renal aquaporins (AQP1-4) in Equus caballus, the domestic horse. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2007**, 293, R492-503	3.2	17
148	Bioengineered Scaffolds for Stem Cell Applications in Tissue Engineering and Regenerative Medicine. *Advances in Experimental Medicine and Biology*, **2018**, 1107, 73-89	3.6	17
147	Facilitative glucose transporters in articular chondrocytes. Expression, distribution and functional regulation of GLUT isoforms by hypoxia, hypoxia mimetics, growth factors and pro-inflammatory cytokines. *Advances in Anatomy, Embryology and Cell Biology*, **2008**, 200, 1 p following vi, 1-84	1.2	17
146	Cobalt chloride doping in racehorses: Concerns over a potentially lethal practice. *Veterinary Journal* , **2015**, 205, 335-8	2.5	16
145	Immunologic and autoradiographic localisation of the Na+, K(+)-ATPase in articular cartilage: upregulation in response to changes in extracellular Na+ concentration. *International Journal of Biochemistry and Cell Biology*, **1997**, 29, 649-57	5.6	16
144	Emerging Technologies and Platforms for the Immunodetection of Multiple Biochemical Markers in Osteoarthritis Research and Therapy. *Frontiers in Medicine*, **2020**, 7, 572977	4.9	16
143	A systematic review of osteoarthritis prevention and management with dietary phytochemicals from foods. *Maturitas*, **2019**, 122, 35-43	5	16
142	The Potential of Menstrual Blood-Derived Mesenchymal Stem Cells for Cartilage Repair and Regeneration: Novel Aspects. *Stem Cells International*, **2018**, 2018, 5748126	5	16
141	Which supplements can I recommend to my osteoarthritis patients?. *Rheumatology*, **2018**, 57, iv75-iv87	3.9	15

140	Ser/Thr-phosphoprotein phosphatases in chondrogenesis: neglected components of a two-player game. *Cellular Signalling*, **2014**, 26, 2175-85	4.9	15
139	Extracellular genomic biomarkers of osteoarthritis. *Expert Review of Molecular Diagnostics*, **2018**, 18, 55-74	3.8	15
138	A consensus-based framework for conducting and reporting osteoarthritis phenotype research. *Arthritis Research and Therapy*, **2020**, 22, 54	5.7	14
137	A proteomics study of the response of North Ronaldsay sheep to copper challenge. *BMC Veterinary Research*, **2006**, 2, 36	2.7	14
136	Expression of the VEGF receptor-3 in osteoarthritic chondrocytes: stimulation by interleukin-1 beta and association with beta 1-integrins. *Histochemistry and Cell Biology*, **2003**, 120, 235-41	2.4	14
135	Coll2-1 and Coll2-1NO2 as exemplars of collagen extracellular matrix turnover - biomarkers to facilitate the treatment of osteoarthritis?. *Expert Review of Molecular Diagnostics*, **2019**, 19, 803-812	3.8	13
134	Biomarkers of fitness and welfare in dairy cattle: healthy productivity. *Journal of Dairy Research*, **2020**, 87, 4-13	1.6	13
133	Biochemical marker discovery, testing and evaluation for facilitating OA drug discovery and development. *Drug Discovery Today*, **2018**, 23, 349-358	8.8	13
132	Expression of aquaporin water channels in canine fetal adnexa in respect to the regulation of amniotic fluid production and absorption. *Placenta*, **2012**, 33, 502-10	3.4	13
131	The impact of maternal protein restriction during rat pregnancy upon renal expression of angiotensin receptors and vasopressin-related aquaporins. *Reproductive Biology and Endocrinology*, **2010**, 8, 105	5	13
130	Epithelial sodium channels in skeletal cells; a role in mechanotransduction?. *Cell Biology International*, **1999**, 23, 237-40	4.5	13
129	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	5.1	13
128	Serum NT/CT SIRT1 ratio reflects early osteoarthritis and chondrosenescence. *Annals of the Rheumatic Diseases*, **2020**, 79, 1370-1380	2.4	13
127	Multiplexed Nanobiosensors: Current Trends in Early Diagnostics. *Sensors*, **2020**, 20,	3.8	13
126	The Antihypertensive Drug Nifedipine Modulates the Metabolism of Chondrocytes and Human Bone Marrow-Derived Mesenchymal Stem Cells. *Frontiers in Endocrinology*, **2019**, 10, 756	5.7	13
125	IQGAP1 in Podosomes/Invadosomes Is Involved in the Progression of Glioblastoma Multiforme Depending on the Tumor Status. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	12
124	Hypoxia and a hypoxia mimetic up-regulate matrix metalloproteinase 2 and 9 in equine laminar keratinocytes. *Veterinary Journal*, **2011**, 190, e54-e59	2.5	12
123	On some aspects of the thermodynamic of membrane recycling mediated by fluid phase endocytosis: evaluation of published data and perspectives. *Cell Biochemistry and Biophysics*, **2010**, 56, 73-90	3.2	12

122	Characterization of the Na+, K(+)-ATPase in isolated bovine articular chondrocytes; molecular evidence for multiple alpha and beta isoforms. *Cell Biology International*, **1997**, 21, 201-12	4.5	12
121	Expression and cellular localization of Na,K-ATPase isoforms in the rat ventral prostate. *BJU International*, **2003**, 92, 793-802	5.6	12
120	A new immunometabolic perspective of intervertebral disc degeneration. *Nature Reviews Rheumatology*, **2021**,	8.1	12
119	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	3	12
118	Targeting mitochondrial dysfunction with small molecules in intervertebral disc aging and degeneration. *GeroScience*, **2021**, 43, 517-537	8.9	12
117	Uptake of the OMERACT-OARSI Hip and Knee Osteoarthritis Core Outcome Set: Review of Randomized Controlled Trials from 1997 to 2017. *Journal of Rheumatology*, **2019**, 46, 976-980	4.1	11
116	The secretome of skeletal muscle cells: A systematic review. *Osteoarthritis and Cartilage Open*, **2020** , 2, 100019	1.5	11
115	Commitment of Scaffold Proteins in the Onco-Biology of Human Colorectal Cancer and Liver Metastases after Oxaliplatin-Based Chemotherapy. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	11
114	Identification, validation and qualification of biomarkers for osteoarthritis in humans and companion animals: mission for the next decade. *Veterinary Journal*, **2010**, 185, 95-7	2.5	11
113	Expression of cation exchanger NHE and anion exchanger AE isoforms in primary human bone-derived osteoblasts. *Cell Biology International*, **1998**, 22, 551-62	4.5	11
112	Early-stage symptomatic osteoarthritis of the knee - time for action. *Nature Reviews Rheumatology*, **2021**, 17, 621-632	8.1	11
111	Alterations in the chondrocyte surfaceome in response to pro-inflammatory cytokines. *BMC Molecular and Cell Biology*, **2020**, 21, 47	2.7	10
110	Aggrecanase degradation of type III collagen is associated with clinical knee pain. *Clinical Biochemistry*, **2018**, 58, 37-43	3.5	10
109	Immunolocalization of aquaporin 5 during rat ovarian follicle development and expansion of the preovulatory cumulus oophorus. *Acta Histochemica*, **2014**, 116, 457-65	2	10
108	Expression and distribution of Na, K-ATPase isoforms in the human uterus. *Reproductive Sciences*, **2010**, 17, 366-76	3	10
107	Diverse roles of integrin receptors in articular cartilage. *Advances in Anatomy, Embryology and Cell Biology*, **2008**, 197, 1-60	1.2	10
106	A hypothesis for the origin and pathogenesis of rheumatoid diseases. *Rheumatology International*, **2006**, 26, 641-54	3.6	10
105	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 **2005**, 26, 1149		10

104	The Effect of Platelet-Rich Plasma on the Intra-Articular Microenvironment in Knee Osteoarthritis. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	10
103	Biomaterials for Regenerative Medicine: Historical Perspectives and Current Trends. *Advances in Experimental Medicine and Biology*, **2018**, 1119, 1-19	3.6	10
102	Tofacitinib and TPCA-1 exert chondroprotective effects on extracellular matrix turnover in bovine articular cartilage ex vivo. *Biochemical Pharmacology*, **2019**, 165, 91-98	6	9
101	The Potency of Induced Pluripotent Stem Cells in Cartilage Regeneration and Osteoarthritis Treatment. *Advances in Experimental Medicine and Biology*, **2018**, 1079, 55-68	3.6	9
100	Physiology and pathophysiology of musculoskeletal aging: current research trends and future priorities. *Frontiers in Physiology*, **2013**, 4, 73	4.6	9
99	Na,K-ATPase isoforms in pregnant and nonpregnant rat uterus. *Annals of the New York Academy of Sciences*, **2003**, 986, 614-6	6.5	9
98	Biomarkers of fitness and welfare in dairy animals: healthy living. *Journal of Dairy Research*, **2019**, 86, 379-387	1.6	9
97	The crossroads between cancer stem cells and aging. *BMC Cancer*, **2015**, 15 Suppl 1, S1	4.8	8
96	The Na, K-ATPase Subunit Isoforms Expression in Glioblastoma Multiforme: Moonlighting Roles. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	8
95	Applications of proteomics in cartilage biology and osteoarthritis research. *Frontiers in Bioscience - Landmark*, **2011**, 16, 2622-44	2.8	8
94	Neuronal responses in the brainstem and hypothalamic nuclei following insulin treatment during the late follicular phase in the ewe. *Reproduction in Domestic Animals*, **2011**, 46, 121-9	1.6	8
93	Na(+), K(+)-ATPase subunit composition in a human chondrocyte cell line; evidence for the presence of 1, 3, 1, 2 and 3 isoforms. *International Journal of Molecular Sciences*, **2012**, 13, 5019-34	6.3	8
92	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	6.6	8
91	Future Cell and Gene Therapy for Osteoarthritis (OA): Potential for Using Mammalian Protein Production Platforms, Irradiated and Transfected Protein Packaging Cell Lines for Over-Production of Therapeutic Proteins and Growth Factors. *Advances in Experimental Medicine and Biology*, **2020**,	3.6	8
90	The inhibition of NFB signaling and inflammatory response as a strategy for blunting bile acid-induced hepatic and renal toxicity. *Toxicology Letters*, **2021**, 349, 12-29	4.4	8
89	Soluble biochemical markers of osteoarthritis: Are we close to using them in clinical practice?. *Best Practice and Research in Clinical Rheumatology*, **2017**, 31, 705-720	5.3	7
88	Applying Proteomics to Study Crosstalk at the Cartilage-Subchondral Bone Interface in Osteoarthritis: Current Status and Future Directions. *EBioMedicine*, **2016**, 11, 2-4	8.8	7
87	Effects of cyclic equibiaxial mechanical stretch on BK and TRPV4 expression in equine chondrocytes. *SpringerPlus*, **2014**, 3, 59		7

86	Aquaporin water channels in the canine gubernaculum testis. *Acta Histochemica*, **2013**, 115, 541-8	2	7
85	Alterations in IQGAP1 expression and localization in colorectal carcinoma and liver metastases following oxaliplatin-based chemotherapy. *Oncology Letters*, **2017**, 14, 2621-2628	2.6	7
84	Gestation changes sodium pump isoform expression, leading to changes in ouabain sensitivity, contractility, and intracellular calcium in rat uterus. *Physiological Reports*, **2017**, 5, e13527	2.6	7
83	Comparative Medicine in the Twenty-First Century: Where are We Now and Where Do We Go from Here?. *Frontiers in Veterinary Science*, **2015**, 2, 2	3.1	7
82	Facilitative Glucose Transporters in Articular Chondrocytes. *Advances in Anatomy, Embryology and Cell Biology*, **2008**,	1.2	7
81	Biomarkers of Osteoarthritis: A Review of Recent Research Progress on Soluble Biochemical Markers, Published Patents and Areas for Future Development. *Recent Patents on Biomarkers*, **2011**, 1, 25-43		7
80	Cell and Gene Therapy for Spine Regeneration: Mammalian Protein Production Platforms for Overproduction of Therapeutic Proteins and Growth Factors. *Neurosurgery Clinics of North America*, **2020**, 31, 131-139	4	7
79	Bone phenotypes in rheumatology - there is more to bone than just bone. *BMC Musculoskeletal Disorders*, **2020**, 21, 789	2.8	7
78	Non-viral Gene Therapy for Osteoarthritis. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 618399	5.8	7
77	An Update on the Role of Leptin in the Immuno-Metabolism of Cartilage. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	7
76	Label-free proteomic analysis of the hydrophobic membrane protein complement in articular chondrocytes: a technique for identification of membrane biomarkers. *Biomarkers*, **2015**, 20, 572-89	2.6	6
75	Expression of the plasma membrane markers aquaporin 1 (AQP1), glucose transporter 1 (GLUT1) and Na, K-ATPase in canine mammary glands and mammary tumours. *Veterinary Journal*, **2010**, 185, 90-3	2.5	6
74	Different phenotypes and chondrogenic responses of human menstrual blood and bone marrow mesenchymal stem cells to activin A and TGF-β. *Stem Cell Research and Therapy*, **2021**, 12, 251	8.3	6
73	Pelleted Bone Marrow Derived Mesenchymal Stem Cells Are Better Protected from the Deleterious Effects of Arthroscopic Heat Shock. *Frontiers in Physiology*, **2016**, 7, 180	4.6	6
72	Homeobox Genes and Homeodomain Proteins: New Insights into Cardiac Development, Degeneration and Regeneration. *Advances in Experimental Medicine and Biology*, **2020**, 1212, 155-178	3.6	5
71	The lysosomal trafficking regulator interacting protein-5 localizes mainly in epithelial cells. *Journal of Molecular Histology*, **2010**, 41, 61-74	3.3	5
70	Equine transcriptome quantification using human GeneChip arrays can be improved using genomic DNA hybridisation and probe selection. *Veterinary Journal*, **2010**, 186, 323-7	2.5	5
69	Comment on: cloning and characterization of porcine aquaporin 1 water channel expressed extensively in the gastrointestinal system. *World Journal of Gastroenterology*, **2006**, 12, 4437-9	5.6	5

68	COVID-19, Companion Animals, Comparative Medicine, and One Health. *Frontiers in Veterinary Science*, **2020**, 7, 522	3.1	5
67	A Prospective Study Comparing Leukocyte-Poor Platelet-Rich Plasma Combined with Hyaluronic Acid and Autologous Microfragmented Adipose Tissue in Patients with Early Knee Osteoarthritis. *Stem Cells and Development*, **2021**, 30, 651-659	4.4	5
66	Exogenous stromal cell-derived factor-1 (SDF-1) suppresses the NLRP3 inflammasome and inhibits pyroptosis in synoviocytes from osteoarthritic joints via activation of the AMPK signaling pathway. *Inflammopharmacology*, **2021**, 29, 695-704	5.1	5
65	Post-operative rehabilitation in osteoarthritis. *F1000Research*, **2014**, 3, 116	3.6	5
64	Atenolol Reduces Leishmania major-Induced Hyperalgesia and TNF-Without Affecting IL-1br Keratinocyte Derived Chemokines (KC). *Frontiers in Pharmacology*, **2016**, 7, 22	5.6	5
63	Immunohistochemical evidence for expression of fast-twitch type sarco(endo)plasmic reticulum Ca2+ ATPase (SERCA1) in German shepherd dogs with dilated cardiomyopathy myocardium. *Journal of Veterinary Cardiology*, **2010**, 12, 17-23	1.9	4
62	Post-operative rehabilitation in osteoarthritis. *F1000Research*, **2014**, 3, 116	3.6	4
61	Vertically aligned carbon nanotube micropillars induce unidirectional chondrocyte orientation. *Carbon*, **2020**, 158, 681-689	10.4	4
60	Design and development of poly-L/D-lactide copolymer and barium titanate nanoparticle 3D composite scaffolds using breath figure method for tissue engineering applications. *Colloids and Surfaces B: Biointerfaces*, **2021**, 199, 111530	6	4
59	Osteoarthritis endotype discovery via clustering of biochemical marker data.. *Annals of the Rheumatic Diseases*, **2022**,	2.4	4
58	Over-Production of Therapeutic Growth Factors for Articular Cartilage Regeneration by Protein Production Platforms and Protein Packaging Cell Lines. *Biology*, **2020**, 9,	4.9	3
57	Pro-inflammatory Cytokines Drive Deregulation of Potassium Channel Expression in Primary Synovial Fibroblasts. *Frontiers in Physiology*, **2020**, 11, 226	4.6	3
56	Effect of Prenatal and Neonatal Anti-Androgen Flutamide Treatment on Aquaporin 5 Expression in the Adult Porcine Ovary. *Reproduction in Domestic Animals*, **2016**, 51, 105-13	1.6	3
55	Mesenchymal Stem Cells and their Potential for Microengineering the Chondrocyte Niche. *EBioMedicine*, **2015**, 2, 1560-1	8.8	3
54	Na+, K+-ATPase genes are down-regulated during adipose stem cell differentiation. *Frontiers in Bioscience - Elite*, **2011**, 3, 1229-40	1.6	3
53	Exploring the translational potential of clusterin as a biomarker of early osteoarthritis.. *Journal of Orthopaedic Translation*, **2022**, 32, 77-84	4.2	3
52	A White Paper on Collagen Hydrolyzates and Ultrahydrolyzates: Potential Supplements to Support Joint Health in Osteoarthritis?. *Current Rheumatology Reports*, **2021**, 23, 78	4.9	3
51	Antioxidants and Osteoarthritis **2014**, 2997-3026		3

50	Physiological Effects of the Electrogenic Current Generated by the Na/K Pump in Mammalian Articular Chondrocytes. *Bioelectricity*, **2020**, 2, 258-268	2	3
49	Monomeric C reactive protein (mCRP) regulates inflammatory responses in human and mouse chondrocytes. *Laboratory Investigation*, **2021**, 101, 1550-1560	5.9	3
48	Comment on: Efficacy of Curcumin and Boswellia for knee osteoarthritis: Systematic review and meta-analysis. *Seminars in Arthritis and Rheumatism*, **2019**, 48, e25-e26	5.3	3
47	Clusterin secretion is attenuated by the proinflammatory cytokines interleukin-1 and tumor necrosis factor- in models of cartilage degradation. *Journal of Orthopaedic Research*, **2021**, 39, 1017-1029	3.8	3
46	Cardiovascular Drugs and Osteoarthritis: Effects of Targeting Ion Channels. *Cells*, **2021**, 10,	7.9	3
45	IQGAP1, AmotL2, and FKBP51 Scaffoldins in the Glioblastoma Microenvironment. *Journal of Histochemistry and Cytochemistry*, **2019**, 67, 481-494	3.4	2
44	Dickkopf-3 (DKK3) Signaling in IL-1 Challenged Chondrocytes: Involvement of the NF-B Pathway. *Cartilage*, **2020**, 1947603520933328	3	2
43	Comment on: comparison between chondroprotective effects of glucosamine, curcumin and diacerein in IL-1beta-stimulated C-28/I2 chondrocytes. *Osteoarthritis and Cartilage*, **2009**, 17, 135-6; author reply 137	6.2	2
42	Glucose Sensing in Chondrocytes via GLUT1 and GLUT3: Implications for Articular Cartilage and Intervertebral Disc Metabolism. *Current Rheumatology Reviews*, **2006**, 2, 109-121	1.6	2
41	Blood and urine biomarkers in osteoarthritis - an update on cartilage associated type II collagen and aggrecan markers. *Current Opinion in Rheumatology*, **2022**, 34, 54-60	5.3	2
40	Health and Gender Inequalities of the COVID-19 Pandemic: Adverse Impacts on Women Health, Wealth and Social Welfare. *Frontiers in Global Women S Health*, **2021**, 2, 670310	8.4	2
39	Characterization of individuals with osteoarthritis in the United States and their use of prescription and over-the-counter supplements. *Maturitas*, **2021**, 145, 24-30	5	2
38	Podcasting: An innovative tool for enhanced osteoarthritis education and research dissemination. *Osteoarthritis and Cartilage Open*, **2021**, 3, 100130	1.5	2
37	The role of advanced MRI in the development of treat-to-target therapeutic strategies, patient stratification and phenotyping in rheumatoid arthritis. *BMC Rheumatology*, **2020**, 4, 33	2.9	1
36	Reply to "Comment on: Inflammatory mediators in osteoarthritis: A critical review of the state-of-the art, prospects, and future challenges". *Bone*, **2017**, 105, 311	4.7	1
35	Three-Dimensional, High-Density and Tissue Engineered Culture Models of Articular Cartilage **2012**, 167-192		1
34	Proteomic profiling and its applications to muscle aging and sarcopenia. *Frontiers in Physiology*, **2011**, 2, 117	4.6	1
33	Tissue Engineered Animal Sparing Models for the Study of Joint and Muscle Diseases **2013**,		1

32	Aquaporin water channels in the bovine ovary. *FASEB Journal*, **2008**, 22, 1159.19	0.9	1
31	Antioxidants in the Treatment of Osteoarthritis and Bone Mineral Loss **2013**, 275-295		1
30	Drug-induced organ injury in coronavirus disease 2019 pharmacotherapy: Mechanisms and challenges in differential diagnosis and potential protective strategies. *Journal of Biochemical and Molecular Toxicology*, **2021**, 35, e22795	3.4	1
29	Transcriptome-based screening of ion channels and transporters in a migratory chondroprogenitor cell line isolated from late-stage osteoarthritic cartilage. *Journal of Cellular Physiology*, **2021**, 236, 7421-7439	7	1
28	Making the patient voice heard in a research consortium: experiences from an EU project (IMI-APPROACH). *Research Involvement and Engagement*, **2021**, 7, 24	4.4	1
27	Stem Cells in Bone and Articular Cartilage Tissue Regeneration. *Stem Cells in Clinical Applications*, **2016**, 177-204	0.3	1
26	The future of deep phenotyping in osteoarthritis: How can high throughput omics technologies advance our understanding of the cellular and molecular taxonomy of the disease?. *Osteoarthritis and Cartilage Open*, **2021**, 3, 100144	1.5	1
25	Nutrigenomics, Inflammaging, and Osteoarthritis71-84		1
24	Potassium Ion Channels in Articular Chondrocytes **2008**, 157-178		1
23	Intra-Articular Injection of Platelet-Rich Plasma Is More Effective than Hyaluronic Acid or Steroid Injection in the Treatment of Mild to Moderate Knee Osteoarthritis: A Prospective, Randomized, Triple-Parallel Clinical Trial. *Biomedicines*, **2022**, 10, 991	4.8	1
22	MicroRNAs and Regulation of Autophagy in Chondrocytes. *Methods in Molecular Biology*, **2021**, 2245, 179-194	1.4	0
21	Diagnosis and treatment of the most common neuropathies following knee injuries and reconstructive surgery - A narrative review. *Heliyon*, **2021**, 7, e08032	3.6	0
20	Ion Channel Modulators for Treatment-Resistant Rheumatoid Arthritis: Focus on Inflammation. *Bioelectricity*, **2021**, 3, 243-248	2	0
19	Nonpharmacological modalities, nutraceuticals and dietary supplements as therapies **2013**, 98-110		
18	Applications of Mesenchymal Stem Cells in Cartilage Tissue Engineering- Part 1. *Recent Patents on Regenerative Medicine*, **2011**, 1, 30-41		
17	Applications of Tissue Microarrays in Renal Physiology and Pathology97-118		
16	A new low temperature method for high yield isolation of chondrocytes from elderly human subjects and its applicability to mature articular cartilage from older animals. *Osteoarthritis and Cartilage*, **2006**, 14, 720-1	6.2	
15	The Bioelectricity of Connective Tissue Cells and Their Environments: Bridging the Gap. *Bioelectricity*, **2021**, 3, 241-242	2	

14	Aquaporins along the secretory pathway of the lactating bovine mammary gland. *FASEB Journal*, **2008**, 22, 1159.21	0.9
13	Protocol for the Isolation of Intact Chondrons from Healthy and Osteoarthritic Human Articular Cartilage. *Methods in Molecular Biology*, **2021**, 2245, 13-22	1.4
12	Proteominer facilitates high-throughput proteomic analysis of low abundance proteins in the cartilage secretome (LB39). *FASEB Journal*, **2014**, 28, LB39	0.9
11	Tissue Microarray Technology and Its Potential Applications in Toxicology and Toxicological Immunohistochemistry **2016**, 5-20	
10	Epithelial membrane pumps, channels and transporters as phenotypic markers of equine hoof keratinocytes in situ: an immunohistochemical study. *FASEB Journal*, **2010**, 24, 1002.23	0.9
9	Aquaglyceroporins in epithelial and endothelial barriers in the equine hoof. *FASEB Journal*, **2010**, 24, 610.4	0.9
8	Replacing animal models of osteoarthritis with 3-dimensional models of articular cartilage and synovium. *FASEB Journal*, **2010**, 24, lb11	0.9
7	Soluble Proteomic Biomakers in the Management of Arthritis **2013**, 3-31	
6	Regeneration of Articular Cartilage. *Advances in Medical Technologies and Clinical Practice Book Series*, **2013**, 137-168	0.3
5	Call for Special Issue Papers: The Bioelectricity of Connective TissueCells and their Environments. *Bioelectricity*, **2021**, 3, 1-1	2
4	Osteoarthritis Research Society International (OARSI): Past, present and future. *Osteoarthritis and Cartilage Open*, **2021**, 3, 100146	1.5
3	The Bioelectricity of Connective Tissue Cells and their Environments: Deadline for Manuscript Submission: September 1, 2021. *Bioelectricity*, **2021**, 3, 109	2
2	Le channelome du chondrocyte. Revue narrative. *Revue Du Rhumatisme (Edition Francaise)*, **2019**, 86, 147-154	0.1
1	Neuroscience and Neuroimmunology Solutions for Osteoarthritis Pain: Biological Drugs, Growth Factors, Peptides and Monoclonal Antibodies Targeting Peripheral Nerves. *NeuroSci*, **2021**, 2, 45-58	1.7