

Ali Mobasheri

List of Publications by Year in Descending Order

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Version: 2024-04-25

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 | Exploring the translational potential of clusterin as a biomarker of early osteoarthritis.. <i>Journal of Orthopaedic Translation</i> , 2022 , 32, 77-84 | 4.2 | 3 |
| 300 | Blood and urine biomarkers in osteoarthritis - an update on cartilage associated type II collagen and aggrecan markers. <i>Current Opinion in Rheumatology</i> , 2022 , 34, 54-60 | 5.3 | 2 |
| 299 | Osteoarthritis endotype discovery via clustering of biochemical marker data.. <i>Annals of the Rheumatic Diseases</i> , 2022 , | 2.4 | 4 |
| 298 | 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. <i>Biomedicines</i> , 2022 , 10, 991 | 4.8 | 1 |
| 297 | The Bioelectricity of Connective Tissue Cells and Their Environments: Bridging the Gap. <i>Bioelectricity</i> , 2021 , 3, 241-242 | 2 | |
| 296 | A new immunometabolic perspective of intervertebral disc degeneration. <i>Nature Reviews Rheumatology</i> , 2021 , | 8.1 | 12 |
| 295 | A White Paper on Collagen Hydrolyzates and Ultrahydrolyzates: Potential Supplements to Support Joint Health in Osteoarthritis?. <i>Current Rheumatology Reports</i> , 2021 , 23, 78 | 4.9 | 3 |
| 294 | MicroRNAs and Regulation of Autophagy in Chondrocytes. <i>Methods in Molecular Biology</i> , 2021 , 2245, 179-194 | 1.4 | 0 |
| 293 | Protocol for the Isolation of Intact Chondrons from Healthy and Osteoarthritic Human Articular Cartilage. <i>Methods in Molecular Biology</i> , 2021 , 2245, 13-22 | 1.4 | |
| 292 | Call for Special Issue Papers: The Bioelectricity of Connective Tissue Cells and their Environments. <i>Bioelectricity</i> , 2021 , 3, 1-1 | 2 | |
| 291 | The role of metabolism in chondrocyte dysfunction and the progression of osteoarthritis. <i>Ageing Research Reviews</i> , 2021 , 66, 101249 | 12 | 58 |
| 290 | Monomeric C reactive protein (mCRP) regulates inflammatory responses in human and mouse chondrocytes. <i>Laboratory Investigation</i> , 2021 , 101, 1550-1560 | 5.9 | 3 |
| 289 | Different phenotypes and chondrogenic responses of human menstrual blood and bone marrow mesenchymal stem cells to activin A and TGF- β . <i>Stem Cell Research and Therapy</i> , 2021 , 12, 251 | 8.3 | 6 |
| 288 | The Effect of Platelet-Rich Plasma on the Intra-Articular Microenvironment in Knee Osteoarthritis. <i>International Journal of Molecular Sciences</i> , 2021 , 22, | 6.3 | 10 |
| 287 | Drug-induced organ injury in coronavirus disease 2019 pharmacotherapy: Mechanisms and challenges in differential diagnosis and potential protective strategies. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021 , 35, e22795 | 3.4 | 1 |
| 286 | A Prospective Study Comparing Leukocyte-Poor Platelet-Rich Plasma Combined with Hyaluronic Acid and Autologous Microfragmented Adipose Tissue in Patients with Early Knee Osteoarthritis. <i>Stem Cells and Development</i> , 2021 , 30, 651-659 | 4.4 | 5 |
| 285 | Transcriptome-based screening of ion channels and transporters in a migratory chondroprogenitor cell line isolated from late-stage osteoarthritic cartilage. <i>Journal of Cellular Physiology</i> , 2021 , 236, 7421-7439 | | 1 |

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| 284 | Making the patient voice heard in a research consortium: experiences from an EU project (IMI-APPROACH). <i>Research Involvement and Engagement</i> , 2021 , 7, 24 | 4.4 | 1 |
| 283 | Osteoarthritis Research Society International (OARSI): Past, present and future. <i>Osteoarthritis and Cartilage Open</i> , 2021 , 3, 100146 | 1.5 | |
| 282 | The Bioelectricity of Connective Tissue Cells and their Environments: Deadline for Manuscript Submission: September 1, 2021. <i>Bioelectricity</i> , 2021 , 3, 109 | 2 | |
| 281 | 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. <i>Inflammopharmacology</i> , 2021 , 29, 695-704 | 5.1 | 5 |
| 280 | Health systems strengthening to arrest the global disability burden: empirical development of prioritised components for a global strategy for improving musculoskeletal health. <i>BMJ Global Health</i> , 2021 , 6, e006045 | 6.6 | 8 |
| 279 | Health and Gender Inequalities of the COVID-19 Pandemic: Adverse Impacts on Women's Health, Wealth and Social Welfare. <i>Frontiers in Global Women's Health</i> , 2021 , 2, 670310 | 8.4 | 2 |
| 278 | Clusterin secretion is attenuated by the proinflammatory cytokines interleukin-1 β and tumor necrosis factor- α in models of cartilage degradation. <i>Journal of Orthopaedic Research</i> , 2021 , 39, 1017-1029 ^{3.8} | 3.8 | 3 |
| 277 | Characterization of individuals with osteoarthritis in the United States and their use of prescription and over-the-counter supplements. <i>Maturitas</i> , 2021 , 145, 24-30 | 5 | 2 |
| 276 | Design and development of poly-L/D-lactide copolymer and barium titanate nanoparticle 3D composite scaffolds using breath figure method for tissue engineering applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 199, 111530 | 6 | 4 |
| 275 | Non-surgical management of knee osteoarthritis: comparison of ESCEO and OARSI 2019 guidelines. <i>Nature Reviews Rheumatology</i> , 2021 , 17, 59-66 | 8.1 | 65 |
| 274 | 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?. <i>Osteoarthritis and Cartilage Open</i> , 2021 , 3, 100144 | 1.5 | 1 |
| 273 | Neuroscience and Neuroimmunology Solutions for Osteoarthritis Pain: Biological Drugs, Growth Factors, Peptides and Monoclonal Antibodies Targeting Peripheral Nerves. <i>NeuroSci</i> , 2021 , 2, 45-58 | 1.7 | |
| 272 | Targeting mitochondrial dysfunction with small molecules in intervertebral disc aging and degeneration. <i>GeroScience</i> , 2021 , 43, 517-537 | 8.9 | 12 |
| 271 | An Update on the Role of Leptin in the Immuno-Metabolism of Cartilage. <i>International Journal of Molecular Sciences</i> , 2021 , 22, | 6.3 | 7 |
| 270 | Podcasting: An innovative tool for enhanced osteoarthritis education and research dissemination. <i>Osteoarthritis and Cartilage Open</i> , 2021 , 3, 100130 | 1.5 | 2 |
| 269 | Early-stage symptomatic osteoarthritis of the knee - time for action. <i>Nature Reviews Rheumatology</i> , 2021 , 17, 621-632 | 8.1 | 11 |
| 268 | Cardiovascular Drugs and Osteoarthritis: Effects of Targeting Ion Channels. <i>Cells</i> , 2021 , 10, | 7.9 | 3 |
| 267 | Diagnosis and treatment of the most common neuropathies following knee injuries and reconstructive surgery - A narrative review. <i>Heliyon</i> , 2021 , 7, e08032 | 3.6 | 0 |

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| 266 | The inhibition of NFB signaling and inflammatory response as a strategy for blunting bile acid-induced hepatic and renal toxicity. <i>Toxicology Letters</i> , 2021 , 349, 12-29 | 4.4 | 8 |
| 265 | Ion Channel Modulators for Treatment-Resistant Rheumatoid Arthritis: Focus on Inflammation. <i>Bioelectricity</i> , 2021 , 3, 243-248 | 2 | 0 |
| 264 | Homeobox Genes and Homeodomain Proteins: New Insights into Cardiac Development, Degeneration and Regeneration. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1212, 155-178 | 3.6 | 5 |
| 263 | Over-Production of Therapeutic Growth Factors for Articular Cartilage Regeneration by Protein Production Platforms and Protein Packaging Cell Lines. <i>Biology</i> , 2020 , 9, | 4.9 | 3 |
| 262 | Dickkopf-3 (DKK3) Signaling in IL-1EChallenged Chondrocytes: Involvement of the NF-B Pathway. <i>Cartilage</i> , 2020 , 1947603520933328 | 3 | 2 |
| 261 | The role of advanced MRI in the development of treat-to-target therapeutic strategies, patient stratification and phenotyping in rheumatoid arthritis. <i>BMC Rheumatology</i> , 2020 , 4, 33 | 2.9 | 1 |
| 260 | A consensus-based framework for conducting and reporting osteoarthritis phenotype research. <i>Arthritis Research and Therapy</i> , 2020 , 22, 54 | 5.7 | 14 |
| 259 | Nanotechnological Strategies for Osteoarthritis Diagnosis, Monitoring, Clinical Management, and Regenerative Medicine: Recent Advances and Future Opportunities. <i>Current Rheumatology Reports</i> , 2020 , 22, 12 | 4.9 | 23 |
| 258 | Alterations in the chondrocyte surfaceome in response to pro-inflammatory cytokines. <i>BMC Molecular and Cell Biology</i> , 2020 , 21, 47 | 2.7 | 10 |
| 257 | Biomarkers of fitness and welfare in dairy cattle: healthy productivity. <i>Journal of Dairy Research</i> , 2020 , 87, 4-13 | 1.6 | 13 |
| 256 | The secretome of skeletal muscle cells: A systematic review. <i>Osteoarthritis and Cartilage Open</i> , 2020 , 2, 100019 | 1.5 | 11 |
| 255 | Pro-inflammatory Cytokines Drive Dereglulation of Potassium Channel Expression in Primary Synovial Fibroblasts. <i>Frontiers in Physiology</i> , 2020 , 11, 226 | 4.6 | 3 |
| 254 | Multi-classifier prediction of knee osteoarthritis progression from incomplete imbalanced longitudinal data. <i>Scientific Reports</i> , 2020 , 10, 8427 | 4.9 | 22 |
| 253 | Vertically aligned carbon nanotube micropillars induce unidirectional chondrocyte orientation. <i>Carbon</i> , 2020 , 158, 681-689 | 10.4 | 4 |
| 252 | Cell and Gene Therapy for Spine Regeneration: Mammalian Protein Production Platforms for Overproduction of Therapeutic Proteins and Growth Factors. <i>Neurosurgery Clinics of North America</i> , 2020 , 31, 131-139 | 4 | 7 |
| 251 | 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. <i>Inflammopharmacology</i> , 2020 , 28, 1237-1252 | 5.1 | 13 |
| 250 | Serum NT/CT SIRT1 ratio reflects early osteoarthritis and chondrosenescence. <i>Annals of the Rheumatic Diseases</i> , 2020 , 79, 1370-1380 | 2.4 | 13 |
| 249 | Emerging Technologies and Platforms for the Immunodetection of Multiple Biochemical Markers in Osteoarthritis Research and Therapy. <i>Frontiers in Medicine</i> , 2020 , 7, 572977 | 4.9 | 16 |

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| 248 | Bone phenotypes in rheumatology - there is more to bone than just bone. <i>BMC Musculoskeletal Disorders</i> , 2020 , 21, 789 | 2.8 | 7 |
| 247 | Physiological Effects of the Electrogenic Current Generated by the Na/K Pump in Mammalian Articular Chondrocytes. <i>Bioelectricity</i> , 2020 , 2, 258-268 | 2 | 3 |
| 246 | 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. <i>BMJ Open</i> , 2020 , 10, e035101 | 3 | 12 |
| 245 | COVID-19, Companion Animals, Comparative Medicine, and One Health. <i>Frontiers in Veterinary Science</i> , 2020 , 7, 522 | 3.1 | 5 |
| 244 | Multiplexed Nanobiosensors: Current Trends in Early Diagnostics. <i>Sensors</i> , 2020 , 20, | 3.8 | 13 |
| 243 | 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. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1247, 17-31 | 3.6 | 8 |
| 242 | Non-viral Gene Therapy for Osteoarthritis. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 618399 | 3.8 | 7 |
| 241 | Coll2-1 and Coll2-1NO2 as exemplars of collagen extracellular matrix turnover - biomarkers to facilitate the treatment of osteoarthritis?. <i>Expert Review of Molecular Diagnostics</i> , 2019 , 19, 803-812 | 3.8 | 13 |
| 240 | A correlation between intestinal microbiota dysbiosis and osteoarthritis. <i>Heliyon</i> , 2019 , 5, e01134 | 3.6 | 48 |
| 239 | Establishing outcome measures in early knee osteoarthritis. <i>Nature Reviews Rheumatology</i> , 2019 , 15, 438-448 | 8.1 | 50 |
| 238 | Molecular phenotyping of the surfaceome of migratory chondroprogenitors and mesenchymal stem cells using biotinylation, glyco-capture and quantitative LC-MS/MS proteomic analysis. <i>Scientific Reports</i> , 2019 , 9, 9018 | 4.9 | 18 |
| 237 | Natural Molecules for Healthy Lifestyles: Oleocanthal from Extra Virgin Olive Oil. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 3845-3853 | 5.7 | 32 |
| 236 | Osteoarthritis phenotypes and novel therapeutic targets. <i>Biochemical Pharmacology</i> , 2019 , 165, 41-48 | 6 | 84 |
| 235 | Uptake of the OMERACT-OARSI Hip and Knee Osteoarthritis Core Outcome Set: Review of Randomized Controlled Trials from 1997 to 2017. <i>Journal of Rheumatology</i> , 2019 , 46, 976-980 | 4.1 | 11 |
| 234 | Adipokines: Linking metabolic syndrome, the immune system, and arthritic diseases. <i>Biochemical Pharmacology</i> , 2019 , 165, 196-206 | 6 | 76 |
| 233 | Strategies for optimising musculoskeletal health in the 21 century. <i>BMC Musculoskeletal Disorders</i> , 2019 , 20, 164 | 2.8 | 45 |
| 232 | IQGAP1, AmotL2, and FKBP51 Scaffoldins in the Glioblastoma Microenvironment. <i>Journal of Histochemistry and Cytochemistry</i> , 2019 , 67, 481-494 | 3.4 | 2 |
| 231 | Tofacitinib and TPCA-1 exert chondroprotective effects on extracellular matrix turnover in bovine articular cartilage ex vivo. <i>Biochemical Pharmacology</i> , 2019 , 165, 91-98 | 6 | 9 |

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| 230 | Recent advances in understanding the phenotypes of osteoarthritis. <i>F1000Research</i> , 2019 , 8, | 3.6 | 45 |
| 229 | The Antihypertensive Drug Nifedipine Modulates the Metabolism of Chondrocytes and Human Bone Marrow-Derived Mesenchymal Stem Cells. <i>Frontiers in Endocrinology</i> , 2019 , 10, 756 | 5.7 | 13 |
| 228 | Biomarkers of fitness and welfare in dairy animals: healthy living. <i>Journal of Dairy Research</i> , 2019 , 86, 379-387 | 1.6 | 9 |
| 227 | Le «channelome» du chondrocyte. Revue narrative. <i>Revue Du Rhumatisme (Edition Francaise)</i> , 2019 , 86, 147-154 | 0.1 | |
| 226 | The OMERACT-OARSI Core Domain Set for Measurement in Clinical Trials of Hip and/or Knee Osteoarthritis. <i>Journal of Rheumatology</i> , 2019 , 46, 981-989 | 4.1 | 33 |
| 225 | A systematic review of osteoarthritis prevention and management with dietary phytochemicals from foods. <i>Maturitas</i> , 2019 , 122, 35-43 | 5 | 16 |
| 224 | Molecular taxonomy of osteoarthritis for patient stratification, disease management and drug development: biochemical markers associated with emerging clinical phenotypes and molecular endotypes. <i>Current Opinion in Rheumatology</i> , 2019 , 31, 80-89 | 5.3 | 41 |
| 223 | The chondrocyte channelome: A narrative review. <i>Joint Bone Spine</i> , 2019 , 86, 29-35 | 2.9 | 39 |
| 222 | Comment on: Efficacy of Curcumin and Boswellia for knee osteoarthritis: Systematic review and meta-analysis. <i>Seminars in Arthritis and Rheumatism</i> , 2019 , 48, e25-e26 | 5.3 | 3 |
| 221 | Adipokines and inflammation: is it a question of weight?. <i>British Journal of Pharmacology</i> , 2018 , 175, 1569-1579 | 6.1 | 79 |
| 220 | Which supplements can I recommend to my osteoarthritis patients?. <i>Rheumatology</i> , 2018 , 57, iv75-iv87 | 3.9 | 15 |
| 219 | What is the evidence for a role for diet and nutrition in osteoarthritis?. <i>Rheumatology</i> , 2018 , 57, iv61-iv74 | 3.9 | 59 |
| 218 | Aggrecanase degradation of type III collagen is associated with clinical knee pain. <i>Clinical Biochemistry</i> , 2018 , 58, 37-43 | 3.5 | 10 |
| 217 | Development and use of biochemical markers in osteoarthritis: current update. <i>Current Opinion in Rheumatology</i> , 2018 , 30, 121-128 | 5.3 | 26 |
| 216 | Biochemical marker discovery, testing and evaluation for facilitating OA drug discovery and development. <i>Drug Discovery Today</i> , 2018 , 23, 349-358 | 8.8 | 13 |
| 215 | A Comprehensive Review of Stem Cells for Cartilage Regeneration in Osteoarthritis. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1089, 23-36 | 3.6 | 31 |
| 214 | The Potency of Induced Pluripotent Stem Cells in Cartilage Regeneration and Osteoarthritis Treatment. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1079, 55-68 | 3.6 | 9 |
| 213 | Extracellular genomic biomarkers of osteoarthritis. <i>Expert Review of Molecular Diagnostics</i> , 2018 , 18, 55-74 | 3.8 | 15 |

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| 212 | A Novel High Sensitivity Type II Collagen Blood-Based Biomarker, PRO-C2, for Assessment of Cartilage Formation. <i>International Journal of Molecular Sciences</i> , 2018 , 19, | 6.3 | 19 |
| 211 | Biomaterials for Regenerative Medicine: Historical Perspectives and Current Trends. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1119, 1-19 | 3.6 | 10 |
| 210 | The Potential of Menstrual Blood-Derived Mesenchymal Stem Cells for Cartilage Repair and Regeneration: Novel Aspects. <i>Stem Cells International</i> , 2018 , 2018, 5748126 | 5 | 16 |
| 209 | Natural Products for Promoting Joint Health and Managing Osteoarthritis. <i>Current Rheumatology Reports</i> , 2018 , 20, 72 | 4.9 | 33 |
| 208 | The Role of Physical Stimuli on Calcium Channels in Chondrogenic Differentiation of Mesenchymal Stem Cells. <i>International Journal of Molecular Sciences</i> , 2018 , 19, | 6.3 | 28 |
| 207 | Bioengineered Scaffolds for Stem Cell Applications in Tissue Engineering and Regenerative Medicine. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1107, 73-89 | 3.6 | 17 |
| 206 | Osteoarthritis Year in Review 2016: biomarkers (biochemical markers). <i>Osteoarthritis and Cartilage</i> , 2017 , 25, 199-208 | 6.2 | 95 |
| 205 | Chondrocyte secretome: a source of novel insights and exploratory biomarkers of osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2017 , 25, 1199-1209 | 6.2 | 46 |
| 204 | The minor collagens in articular cartilage. <i>Protein and Cell</i> , 2017 , 8, 560-572 | 7.2 | 108 |
| 203 | Engineered cartilage regeneration from adipose tissue derived-mesenchymal stem cells: A morphomolecular study on osteoblast, chondrocyte and apoptosis evaluation. <i>Experimental Cell Research</i> , 2017 , 357, 222-235 | 4.2 | 31 |
| 202 | The role of metabolism in the pathogenesis of osteoarthritis. <i>Nature Reviews Rheumatology</i> , 2017 , 13, 302-311 | 8.1 | 262 |
| 201 | LEF1-mediated MMP13 gene expression is repressed by SIRT1 in human chondrocytes. <i>FASEB Journal</i> , 2017 , 31, 3116-3125 | 0.9 | 32 |
| 200 | Soluble biochemical markers of osteoarthritis: Are we close to using them in clinical practice?. <i>Best Practice and Research in Clinical Rheumatology</i> , 2017 , 31, 705-720 | 5.3 | 7 |
| 199 | Commitment of Scaffold Proteins in the Onco-Biology of Human Colorectal Cancer and Liver Metastases after Oxaliplatin-Based Chemotherapy. <i>International Journal of Molecular Sciences</i> , 2017 , 18, | 6.3 | 11 |
| 198 | Alterations in IQGAP1 expression and localization in colorectal carcinoma and liver metastases following oxaliplatin-based chemotherapy. <i>Oncology Letters</i> , 2017 , 14, 2621-2628 | 2.6 | 7 |
| 197 | Aging and osteoarthritis: Central role of the extracellular matrix. <i>Ageing Research Reviews</i> , 2017 , 40, 20-30 | 12 | 191 |
| 196 | Progranulin as a biomarker and potential therapeutic agent. <i>Drug Discovery Today</i> , 2017 , 22, 1557-1564 | 8.8 | 49 |
| 195 | Reply to "Comment on: Inflammatory mediators in osteoarthritis: A critical review of the state-of-the art, prospects, and future challenges". <i>Bone</i> , 2017 , 105, 311 | 4.7 | 1 |

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| 194 | Age-Related Alterations in Signaling Pathways in Articular Chondrocytes: Implications for the Pathogenesis and Progression of Osteoarthritis - A Mini-Review. <i>Gerontology</i> , 2017 , 63, 29-35 | 5.5 | 35 |
| 193 | Gestation changes sodium pump isoform expression, leading to changes in ouabain sensitivity, contractility, and intracellular calcium in rat uterus. <i>Physiological Reports</i> , 2017 , 5, e13527 | 2.6 | 7 |
| 192 | The Na, K-ATPase β Subunit Isoforms Expression in Glioblastoma Multiforme: Moonlighting Roles. <i>International Journal of Molecular Sciences</i> , 2017 , 18, | 6.3 | 8 |
| 191 | IQGAP1 in Podosomes/Invadosomes Is Involved in the Progression of Glioblastoma Multiforme Depending on the Tumor Status. <i>International Journal of Molecular Sciences</i> , 2017 , 18, | 6.3 | 12 |
| 190 | Mesenchymal stem cells in regenerative medicine: Focus on articular cartilage and intervertebral disc regeneration. <i>Methods</i> , 2016 , 99, 69-80 | 4.6 | 263 |
| 189 | Mesenchymal stem cells: Identification, phenotypic characterization, biological properties and potential for regenerative medicine through biomaterial micro-engineering of their niche. <i>Methods</i> , 2016 , 99, 62-8 | 4.6 | 149 |
| 188 | An update on the pathophysiology of osteoarthritis. <i>Annals of Physical and Rehabilitation Medicine</i> , 2016 , 59, 333-339 | 3.8 | 134 |
| 187 | Applying Proteomics to Study Crosstalk at the Cartilage-Subchondral Bone Interface in Osteoarthritis: Current Status and Future Directions. <i>EBioMedicine</i> , 2016 , 11, 2-4 | 8.8 | 7 |
| 186 | In vitro models of cancer stem cells and clinical applications. <i>BMC Cancer</i> , 2016 , 16, 738 | 4.8 | 49 |
| 185 | The Role of Sirtuins in Cartilage Homeostasis and Osteoarthritis. <i>Current Rheumatology Reports</i> , 2016 , 18, 43 | 4.9 | 27 |
| 184 | Inflammatory mediators in osteoarthritis: A critical review of the state-of-the-art, current prospects, and future challenges. <i>Bone</i> , 2016 , 85, 81-90 | 4.7 | 225 |
| 183 | Effect of Prenatal and Neonatal Anti-Androgen Flutamide Treatment on Aquaporin 5 Expression in the Adult Porcine Ovary. <i>Reproduction in Domestic Animals</i> , 2016 , 51, 105-13 | 1.6 | 3 |
| 182 | Osteoarthritis year in review 2015: soluble biomarkers and the BIPED criteria. <i>Osteoarthritis and Cartilage</i> , 2016 , 24, 9-20 | 6.2 | 64 |
| 181 | Tissue Microarray Technology and Its Potential Applications in Toxicology and Toxicological Immunohistochemistry 2016 , 5-20 | | |
| 180 | Adipose, Bone Marrow and Synovial Joint-Derived Mesenchymal Stem Cells for Cartilage Repair. <i>Frontiers in Genetics</i> , 2016 , 7, 213 | 4.5 | 95 |
| 179 | Atenolol Reduces Leishmania major-Induced Hyperalgesia and TNF- α Without Affecting IL-1 β or Keratinocyte Derived Chemokines (KC). <i>Frontiers in Pharmacology</i> , 2016 , 7, 22 | 5.6 | 5 |
| 178 | Na,K-ATPase Isozymes in Colorectal Cancer and Liver Metastases. <i>Frontiers in Physiology</i> , 2016 , 7, 9 | 4.6 | 24 |
| 177 | Pelleted Bone Marrow Derived Mesenchymal Stem Cells Are Better Protected from the Deleterious Effects of Arthroscopic Heat Shock. <i>Frontiers in Physiology</i> , 2016 , 7, 180 | 4.6 | 6 |

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| 176 | Stem Cells in Bone and Articular Cartilage Tissue Regeneration. <i>Stem Cells in Clinical Applications</i> , 2016 , 177-204 | 0.3 | 1 |
| 175 | The Need for Predictive, Prognostic, Objective and Complementary Blood-Based Biomarkers in Osteoarthritis (OA). <i>EBioMedicine</i> , 2016 , 7, 4-6 | 8.8 | 18 |
| 174 | Altered joint tribology in osteoarthritis: Reduced lubricin synthesis due to the inflammatory process. New horizons for therapeutic approaches. <i>Annals of Physical and Rehabilitation Medicine</i> , 2016 , 59, 149-156 | 3.8 | 27 |
| 173 | Osteoarthritis biomarkers derived from cartilage extracellular matrix: Current status and future perspectives. <i>Annals of Physical and Rehabilitation Medicine</i> , 2016 , 59, 145-148 | 3.8 | 37 |
| 172 | Leptin in osteoarthritis: Focus on articular cartilage and chondrocytes. <i>Life Sciences</i> , 2015 , 140, 75-8 | 6.8 | 51 |
| 171 | Ameliorative effects of PACAP against cartilage degeneration. Morphological, immunohistochemical and biochemical evidence from in vivo and in vitro models of rat osteoarthritis. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 5922-44 | 6.3 | 73 |
| 170 | Physicochemical and biomechanical stimuli in cell-based articular cartilage repair. <i>Current Rheumatology Reports</i> , 2015 , 17, 22 | 4.9 | 18 |
| 169 | Cobalt chloride doping in racehorses: Concerns over a potentially lethal practice. <i>Veterinary Journal</i> , 2015 , 205, 335-8 | 2.5 | 16 |
| 168 | Physical activity ameliorates cartilage degeneration in a rat model of aging: a study on lubricin expression. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2015 , 25, e222-30 | 4.6 | 82 |
| 167 | The crossroads between cancer stem cells and aging. <i>BMC Cancer</i> , 2015 , 15 Suppl 1, S1 | 4.8 | 8 |
| 166 | Label-free proteomic analysis of the hydrophobic membrane protein complement in articular chondrocytes: a technique for identification of membrane biomarkers. <i>Biomarkers</i> , 2015 , 20, 572-89 | 2.6 | 6 |
| 165 | A machine learning heuristic to identify biologically relevant and minimal biomarker panels from omics data. <i>BMC Genomics</i> , 2015 , 16 Suppl 1, S2 | 4.5 | 29 |
| 164 | Biomarkers of Chondrocyte Apoptosis and Autophagy in Osteoarthritis. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 20560-75 | 6.3 | 143 |
| 163 | Comparative Medicine in the Twenty-First Century: Where are We Now and Where Do We Go from Here?. <i>Frontiers in Veterinary Science</i> , 2015 , 2, 2 | 3.1 | 7 |
| 162 | Osteoarthritis in the XXIst century: risk factors and behaviours that influence disease onset and progression. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 6093-112 | 6.3 | 172 |
| 161 | Voltage-dependent calcium channels in chondrocytes: roles in health and disease. <i>Current Rheumatology Reports</i> , 2015 , 17, 43 | 4.9 | 34 |
| 160 | The potential of lipocalin-2/NGAL as biomarker for inflammatory and metabolic diseases. <i>Biomarkers</i> , 2015 , 20, 565-71 | 2.6 | 129 |
| 159 | Mesenchymal Stem Cells and their Potential for Microengineering the Chondrocyte Niche. <i>EBioMedicine</i> , 2015 , 2, 1560-1 | 8.8 | 3 |

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| 158 | Water intake, faecal output and intestinal motility in horses moved from pasture to a stabled management regime with controlled exercise. <i>Equine Veterinary Journal</i> , 2015 , 47, 96-100 | 2.4 | 27 |
| 157 | Chondrosenescence: definition, hallmarks and potential role in the pathogenesis of osteoarthritis. <i>Maturitas</i> , 2015 , 80, 237-44 | 5 | 122 |
| 156 | Age-related degeneration of articular cartilage in the pathogenesis of osteoarthritis: molecular markers of senescent chondrocytes. <i>Histology and Histopathology</i> , 2015 , 30, 1-12 | 1.4 | 60 |
| 155 | Effects of cyclic equibiaxial mechanical stretch on β BK and TRPV4 expression in equine chondrocytes. <i>SpringerPlus</i> , 2014 , 3, 59 | | 7 |
| 154 | What is the current status of chondroitin sulfate and glucosamine for the treatment of knee osteoarthritis?. <i>Maturitas</i> , 2014 , 78, 184-7 | 5 | 72 |
| 153 | Regulation of chondrogenesis by protein kinase C: Emerging new roles in calcium signalling. <i>Cellular Signalling</i> , 2014 , 26, 979-1000 | 4.9 | 47 |
| 152 | Ser/Thr-phosphoprotein phosphatases in chondrogenesis: neglected components of a two-player game. <i>Cellular Signalling</i> , 2014 , 26, 2175-85 | 4.9 | 15 |
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