

Byoung-Hyun Min

List of Publications by Year in Descending Order

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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.

70
papers

1,542
citations

24
h-index

37
g-index

72
ext. papers

1,803
ext. citations

4.5
avg, IF

4.56
L-index

| # | Paper | IF | Citations |
|----|--|-----|-----------|
| 70 | Circumferential Rim Augmentation Suture Around the Perimeniscal Capsule Decreases Meniscal Extrusion and Progression of Osteoarthritis in Rabbit Meniscus Root Tear Model. <i>American Journal of Sports Medicine</i> , 2022 , 50, 689-698 | 6.8 | |
| 69 | Fabrication of decellularized meniscus extracellular matrix according to inner cartilaginous, middle transitional, and outer fibrous zones result in zone-specific protein expression useful for precise replication of meniscus zones. <i>Materials Science and Engineering C</i> , 2021 , 128, 112312 | 8.3 | 1 |
| 68 | Effect of glutaraldehyde-crosslinked cartilage acellular matrix film on anti-adhesion and nerve regeneration in a rat sciatic nerve injury model. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2021 , 15, 1023-1036 | 4.4 | 1 |
| 67 | Suppression of Osteoarthritis progression by post-natal Induction of Nkx3.2. <i>Biochemical and Biophysical Research Communications</i> , 2021 , 571, 188-194 | 3.4 | 1 |
| 66 | Inhibitory Effect of Topical Cartilage Acellular Matrix Suspension Treatment on Neovascularization in a Rabbit Corneal Model. <i>Tissue Engineering and Regenerative Medicine</i> , 2020 , 17, 625-640 | 4.5 | 3 |
| 65 | Low-intensity ultrasound attenuates paw edema formation and decreases vascular permeability induced by carrageenan injection in rats. <i>Journal of Inflammation</i> , 2020 , 17, 7 | 6.7 | 8 |
| 64 | Engineered cartilage utilizing fetal cartilage-derived progenitor cells for cartilage repair. <i>Scientific Reports</i> , 2020 , 10, 5722 | 4.9 | 6 |
| 63 | Cross-linked cartilage acellular matrix film decreases postsurgical peritendinous adhesions. <i>Artificial Organs</i> , 2020 , 44, E136-E149 | 2.6 | 5 |
| 62 | Fabrication of a Polycaprolactone/Alginate Bipartite Hybrid Scaffold for Osteochondral Tissue Using a Three-Dimensional Bioprinting System. <i>Polymers</i> , 2020 , 12, | 4.5 | 6 |
| 61 | The effect of distance between holes on the structural stability of subchondral bone in microfracture surgery: a finite element model study. <i>BMC Musculoskeletal Disorders</i> , 2020 , 21, 557 | 2.8 | |
| 60 | Development of three-dimensional articular cartilage construct using silica nano-patterned substrate. <i>PLoS ONE</i> , 2019 , 14, e0208291 | 3.7 | 3 |
| 59 | Immunophenotype and Immune-Modulatory Activities of Human Fetal Cartilage-Derived Progenitor Cells. <i>Cell Transplantation</i> , 2019 , 28, 932-942 | 4 | 6 |
| 58 | Development of a three-dimensionally printed scaffold grafted with bone forming peptide-1 for enhanced bone regeneration with in vitro and in vivo evaluations. <i>Journal of Colloid and Interface Science</i> , 2019 , 539, 468-480 | 9.3 | 22 |
| 57 | Development of Printable Natural Cartilage Matrix Bioink for 3D Printing of Irregular Tissue Shape. <i>Tissue Engineering and Regenerative Medicine</i> , 2018 , 15, 155-162 | 4.5 | 56 |
| 56 | Mechanically Reinforced Extracellular Matrix Scaffold for Application of Cartilage Tissue Engineering. <i>Tissue Engineering and Regenerative Medicine</i> , 2018 , 15, 287-299 | 4.5 | 15 |
| 55 | Nondestructive Assessment of Glycosaminoglycans in Engineered Cartilages Using Hexabrix-Enhanced Micro-Computed Tomography. <i>Tissue Engineering and Regenerative Medicine</i> , 2018 , 15, 311-319 | 4.5 | 4 |
| 54 | Three-Dimensional Spheroid Culture Increases Exosome Secretion from Mesenchymal Stem Cells. <i>Tissue Engineering and Regenerative Medicine</i> , 2018 , 15, 427-436 | 4.5 | 47 |

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| 53 | Characterization of Human Fetal Cartilage Progenitor Cells During Long-Term Expansion in a Xeno-Free Medium. <i>Tissue Engineering and Regenerative Medicine</i> , 2018 , 15, 649-659 | 4.5 | 6 |
| 52 | Effect of joint mimicking loading system on zonal organization into tissue-engineered cartilage. <i>PLoS ONE</i> , 2018 , 13, e0202834 | 3.7 | 8 |
| 51 | Granulocyte macrophage - colony stimulating factor (GM-CSF) significantly enhances articular cartilage repair potential by microfracture. <i>Osteoarthritis and Cartilage</i> , 2017 , 25, 1345-1352 | 6.2 | 16 |
| 50 | Subchondral bone scan uptake correlates with articular cartilage degeneration in osteoarthritic knees. <i>International Journal of Rheumatic Diseases</i> , 2017 , 20, 1393-1402 | 2.3 | 5 |
| 49 | Fetal Cartilage-Derived Cells Have Stem Cell Properties and Are a Highly Potent Cell Source for Cartilage Regeneration. <i>Cell Transplantation</i> , 2016 , 25, 449-61 | 4 | 25 |
| 48 | Comparison of fetal cartilage-derived progenitor cells isolated at different developmental stages in a rat model. <i>Development Growth and Differentiation</i> , 2016 , 58, 167-79 | 3 | 11 |
| 47 | In vivo degradation profile of porcine cartilage-derived extracellular matrix powder scaffolds using a non-invasive fluorescence imaging method. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2016 , 27, 177-90 | 3.5 | 14 |
| 46 | Advances in three-dimensional bioprinting for hard tissue engineering. <i>Tissue Engineering and Regenerative Medicine</i> , 2016 , 13, 622-635 | 4.5 | 39 |
| 45 | Repair of partial thickness cartilage defects using cartilage extracellular matrix membrane-based chondrocyte delivery system in human model. <i>Tissue Engineering and Regenerative Medicine</i> , 2016 , 13, 182-190 | 4.5 | 7 |
| 44 | The Degeneration of Meniscus Roots Is Accompanied by Fibrocartilage Formation, Which May Precede Meniscus Root Tears in Osteoarthritic Knees. <i>American Journal of Sports Medicine</i> , 2015 , 43, 3034-44 | 6.8 | 25 |
| 43 | Low intensity ultrasound inhibits brain oedema formation in rats: potential action on AQP4 membrane localization. <i>Neuropathology and Applied Neurobiology</i> , 2015 , 41, e80-94 | 5.2 | 11 |
| 42 | Tissue-engineered tracheal reconstruction using mesenchymal stem cells seeded on a porcine cartilage powder scaffold. <i>Annals of Biomedical Engineering</i> , 2015 , 43, 1003-13 | 4.7 | 39 |
| 41 | Bilateral occurrence and morphologic analysis of complete discoid lateral meniscus. <i>Yonsei Medical Journal</i> , 2015 , 56, 753-9 | 3 | 7 |
| 40 | Fabrication of an osteochondral graft with using a solid freeform fabrication system. <i>Tissue Engineering and Regenerative Medicine</i> , 2015 , 12, 239-248 | 4.5 | 14 |
| 39 | Therapeutic possibility of human fetal cartilage-derived progenitor cells in rat arthritis model. <i>Tissue Engineering and Regenerative Medicine</i> , 2015 , 12, 147-154 | 4.5 | 3 |
| 38 | Detection of CTX-II in serum and urine to diagnose osteoarthritis by using a fluoro-microbeads guiding chip. <i>Biosensors and Bioelectronics</i> , 2015 , 67, 192-9 | 11.8 | 35 |
| 37 | Three dimensional plotted extracellular matrix scaffolds using a rapid prototyping for tissue engineering application. <i>Tissue Engineering and Regenerative Medicine</i> , 2015 , 12, 172-180 | 4.5 | 15 |
| 36 | Inhibition of blood vessel formation by a chondrocyte-derived extracellular matrix. <i>Biomaterials</i> , 2014 , 35, 5711-20 | 15.6 | 12 |

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| 35 | Tissue-engineered tracheal reconstruction using chondrocyte seeded on a porcine cartilage-derived substance scaffold. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2014 , 78, 32-8 | 1.7 | 29 |
| 34 | Cartilage extra-cellular matrix biomembrane for the enhancement of microfractured defects. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2014 , 22, 1249-59 | 5.5 | 22 |
| 33 | Protocol of Chondrogenesis from BMSC on a Porcine Chondrocytes-Derived Extracellular Matrix Scaffold. <i>Manuals in Biomedical Research</i> , 2014 , 33-40 | | |
| 32 | Is bicompartamental knee arthroplasty more favourable to knee muscle strength and physical performance compared to total knee arthroplasty?. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2013 , 21, 2532-41 | 5.5 | 24 |
| 31 | Effect of different bone marrow stimulation techniques (BSTs) on MSCs mobilization. <i>Journal of Orthopaedic Research</i> , 2013 , 31, 1814-9 | 3.8 | 32 |
| 30 | Construction of a tissue-engineered annulus fibrosus. <i>Artificial Organs</i> , 2013 , 37, E131-8 | 2.6 | 10 |
| 29 | Feasibility of autologous bone marrow mesenchymal stem cell-derived extracellular matrix scaffold for cartilage tissue engineering. <i>Artificial Organs</i> , 2013 , 37, E179-90 | 2.6 | 19 |
| 28 | Mechanical stimulation by ultrasound enhances chondrogenic differentiation of mesenchymal stem cells in a fibrin-hyaluronic acid hydrogel. <i>Artificial Organs</i> , 2013 , 37, 648-55 | 2.6 | 37 |
| 27 | Cartilage tissue engineering using chondrocyte-derived extracellular matrix scaffold suppressed vessel invasion during chondrogenesis of mesenchymal stem cells in vivo. <i>Tissue Engineering and Regenerative Medicine</i> , 2012 , 9, 43-50 | 4.5 | 13 |
| 26 | Transplantation of autologous chondrocytes seeded on a fibrin/hyaluronan composite gel into tracheal cartilage defects in rabbits: preliminary results. <i>Artificial Organs</i> , 2012 , 36, 998-1006 | 2.6 | 29 |
| 25 | Transplantation of autologous chondrocytes seeded on a fibrin/hyaluronic acid composite gel into vocal fold in rabbits: Preliminary results. <i>Tissue Engineering and Regenerative Medicine</i> , 2012 , 9, 203-208 | 4.5 | 8 |
| 24 | Intervertebral disk tissue engineering using biphasic silk composite scaffolds. <i>Tissue Engineering - Part A</i> , 2012 , 18, 447-58 | 3.9 | 71 |
| 23 | Effect of ultrasound treatment on brain edema in a traumatic brain injury model with the weight drop method. <i>Pediatric Neurosurgery</i> , 2012 , 48, 102-8 | 0.9 | 7 |
| 22 | Chip-based comparison of the osteogenesis of human bone marrow- and adipose tissue-derived mesenchymal stem cells under mechanical stimulation. <i>PLoS ONE</i> , 2012 , 7, e46689 | 3.7 | 78 |
| 21 | An electrostatically crosslinked chitosan hydrogel as a drug carrier. <i>Molecules</i> , 2012 , 17, 13704-11 | 4.8 | 31 |
| 20 | Annulus fibrosus tissue engineering using lamellar silk scaffolds. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2012 , 6 Suppl 3, s24-33 | 4.4 | 40 |
| 19 | Using Cartilage Extracellular Matrix (CECM) Membrane to Enhance the Reparability of the Bone Marrow Stimulation Technique for Articular Cartilage Defect in Canine Model. <i>Advanced Functional Materials</i> , 2012 , 22, 4292-4300 | 15.6 | 26 |
| 18 | Chip-based cartilage oligomeric matrix protein detection in serum and synovial fluid for osteoarthritis diagnosis. <i>Analytical Biochemistry</i> , 2012 , 420, 139-46 | 3.1 | 23 |

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| 17 | Low-intensity ultrasound increased colony forming unit-fibroblasts of mesenchymal stem cells during primary culture. <i>Tissue Engineering - Part C: Methods</i> , 2011 , 17, 517-26 | 2.9 | 23 |
| 16 | The maturity of tissue-engineered cartilage in vitro affects the reparability for osteochondral defect. <i>Tissue Engineering - Part A</i> , 2011 , 17, 3057-65 | 3.9 | 40 |
| 15 | Nanostructured films as a novel substrate for chondrocytes growth. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 4265-8 | 1.3 | 1 |
| 14 | Arthroscopic loose body removal and cyst decompression using a posterior trans-septal portal in the blind spot during knee arthroscopy--technical report. <i>Knee</i> , 2011 , 18, 55-8 | 2.6 | 14 |
| 13 | Chondrogenesis of rabbit mesenchymal stem cells in fibrin/hyaluronan composite scaffold in vitro. <i>Tissue Engineering - Part A</i> , 2011 , 17, 1277-86 | 3.9 | 28 |
| 12 | Silk-fibrin/hyaluronic acid composite gels for nucleus pulposus tissue regeneration. <i>Tissue Engineering - Part A</i> , 2011 , 17, 2999-3009 | 3.9 | 54 |
| 11 | Evaluation of transtibial double-bundle posterior cruciate ligament reconstruction using a single-sling method with a tibialis anterior allograft. <i>American Journal of Sports Medicine</i> , 2011 , 39, 374-9 | 6.8 | 18 |
| 10 | Controlling medium osmolality improves the expansion of human articular chondrocytes in serum-free media. <i>Tissue Engineering - Part C: Methods</i> , 2010 , 16, 957-63 | 2.9 | 7 |
| 9 | Differential protein expression in human articular chondrocytes expanded in serum-free media of different medium osmolalities by DIGE. <i>Journal of Proteome Research</i> , 2010 , 9, 2480-7 | 5.6 | 9 |
| 8 | Cartilage engineering using cell-derived extracellular matrix scaffold in vitro. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 92, 1567-77 | 5.4 | 32 |
| 7 | The chondrogenic differentiation of mesenchymal stem cells on an extracellular matrix scaffold derived from porcine chondrocytes. <i>Biomaterials</i> , 2010 , 31, 5355-65 | 15.6 | 102 |
| 6 | Simultaneous reconstruction of quadriceps tendon rupture after TKA and neglected Achilles tendon rupture. <i>Orthopedics</i> , 2010 , 33, | 1.5 | |
| 5 | Scaffold-free cartilage fabrication system using passaged porcine chondrocytes and basic fibroblast growth factor. <i>Tissue Engineering - Part A</i> , 2009 , 15, 1887-95 | 3.9 | 22 |
| 4 | In vivo cartilage tissue engineering using a cell-derived extracellular matrix scaffold. <i>Artificial Organs</i> , 2007 , 31, 183-92 | 2.6 | 69 |
| 3 | Low intensity ultrasound as a supporter of cartilage regeneration and its engineering. <i>Biotechnology and Bioprocess Engineering</i> , 2007 , 12, 22-31 | 3.1 | 21 |
| 2 | Collagenous fibril texture of the discoid lateral meniscus. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2007 , 23, 635-41 | 5.4 | 31 |
| 1 | Effects of low-intensity ultrasound on chondrogenic differentiation of mesenchymal stem cells embedded in polyglycolic acid: an in vivo study. <i>Tissue Engineering</i> , 2006 , 12, 75-82 | | 95 |