

Ichiro Sekiya

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5425936/ichiro-sekiya-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

162
papers

9,230
citations

39
h-index

95
g-index

188
ext. papers

10,240
ext. citations

4.1
avg, IF

5.92
L-index

#	Paper	IF	Citations
162	Medial Tibial Osteophyte Width Strongly Reflects Medial Meniscus Extrusion Distance and Medial Joint Space Width Moderately Reflects Cartilage Thickness in Knee Radiographs.. <i>Journal of Magnetic Resonance Imaging</i> , 2022 ,	5.6	1
161	Surgical Repair of Symptomatic Wrisberg Variant Discoid Lateral Mensicus with Pull-Out Repair and Capsulodesis.. <i>Arthroscopy Techniques</i> , 2022 , 11, e61-e68	1.7	
160	Interscan measurement error in measurements of the meniscus, including the meniscal roots, by fully automatic three-dimensional MRI analysis 2022 , 2, 100007		
159	Injections of Synovial Mesenchymal Stromal Cells 2022 , 63-74		
158	Yields of mesenchymal stromal cells from synovial fluid reflect those from synovium in patients with rheumatoid arthritis.. <i>Tissue and Cell</i> , 2022 , 75, 101727	2.7	0
157	CD34THY1 synovial fibroblast subset in arthritic joints has high osteoblastic and chondrogenic potentials in vitro.. <i>Arthritis Research and Therapy</i> , 2022 , 24, 45	5.7	0
156	Three-dimensional MRI shows cartilage defect extension with no separation from the meniscus in women in their 70s with knee osteoarthritis.. <i>Scientific Reports</i> , 2022 , 12, 4198	4.9	0
155	Cell membrane fluidity and ROS resistance define DMSO tolerance of cryopreserved synovial MSCs and HUVECs.. <i>Stem Cell Research and Therapy</i> , 2022 , 13, 177	8.3	2
154	Isolation and Characterization of Synovial Mesenchymal Stem Cells Derived From Patients With Chronic Lateral Ankle Instability: A Comparative Analysis of Synovial Fluid, Adipose Synovium, and Fibrous Synovium of the Ankle Joint. <i>Orthopaedic Journal of Sports Medicine</i> , 2022 , 10, 232596712210946	3.5	
153	Short cytoplasmic isoform of IL1R1/CD121a mediates IL1-induced proliferation of synovium-derived mesenchymal stem/stromal cells through ERK1/2 pathway. <i>Heliyon</i> , 2022 , 8, e09476	3.6	
152	Simultaneous bilateral total knee arthroplasty is safe and effective for patients in different ages. <i>Journal of Orthopaedic Science</i> , 2021 ,	1.6	1
151	Effect of transplanted mesenchymal stem cell number on the prevention of cartilage degeneration and pain reduction in a posttraumatic osteoarthritis rat model. <i>Journal of Orthopaedic Science</i> , 2021 , 26, 690-697	1.6	
150	Trends in arthroplasty in Japan by a complete survey, 2014-2017. <i>Journal of Orthopaedic Science</i> , 2021 , 26, 812-822	1.6	5
149	Characteristics of MSCs in Synovial Fluid and Mode of Action of Intra-Articular Injections of Synovial MSCs in Knee Osteoarthritis. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
148	Intra-articular Injection of PDGF-BB Explored in a Novel in Vitro Model Mobilizes Mesenchymal Stem Cells From the Synovium Into Synovial Fluid in Rats. <i>Stem Cell Reviews and Reports</i> , 2021 , 17, 1768-1779	7.7	0
147	Arthroscopic Centralization Using Knotless Anchors for Extruded Medial Meniscus. <i>Arthroscopy Techniques</i> , 2021 , 10, e639-e645	1.7	4
146	Thawed cryopreserved synovial mesenchymal stem cells show comparable effects to cultured cells in the inhibition of osteoarthritis progression in rats. <i>Scientific Reports</i> , 2021 , 11, 9683	4.9	2

145	Interscan measurement error of knee cartilage thickness and projected cartilage area ratio at 9 regions and 45 subregions by fully automatic three-dimensional MRI analysis. <i>European Journal of Radiology</i> , 2021 , 139, 109700	4.7	2
144	Second-look arthroscopy after meniscus repair and synovial mesenchymal stem cell transplantation to treat degenerative flaps and radial tears of the medial meniscus: A case report. <i>Journal of Orthopaedic Science</i> , 2021 ,	1.6	3
143	Ultrasound-Guided Harvesting of Synovium for Regenerative Medicine of Cartilage and Meniscus Using Synovial Mesenchymal Stem Cells. <i>Arthroscopy Techniques</i> , 2021 , 10, e1723-e1727	1.7	0
142	Extracellular vesicles derived from mesenchymal stromal cells mediate endogenous cell growth and migration via the CXCL5 and CXCL6/CXCR2 axes and repair menisci. <i>Stem Cell Research and Therapy</i> , 2021 , 12, 414	8.3	1
141	Knee laxity, lateral meniscus tear and distal femur morphology influence pivot shift test grade in ACL injury patients. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021 , 29, 633-640	5.5	4
140	Synovial mesenchymal stem cells promote the meniscus repair in a novel pig meniscus injury model. <i>Journal of Orthopaedic Research</i> , 2021 , 39, 177-183	3.8	11
139	Effects of different surgical procedures for meniscus injury on two-year clinical and radiological outcomes after anterior cruciate ligament reconstructions. -TMDU MAKs study. <i>Journal of Orthopaedic Science</i> , 2021 , 27, 199-199	1.6	
138	Inhibition of fibrotic changes in infrapatellar fat pad alleviates persistent pain and articular cartilage degeneration in monoiodoacetic acid-induced rat arthritis model. <i>Osteoarthritis and Cartilage</i> , 2021 , 29, 380-388	6.2	4
137	Alterations in cartilage quantification before and after injections of mesenchymal stem cells into osteoarthritic knees. <i>Scientific Reports</i> , 2021 , 11, 13832	4.9	3
136	Inflammatory and healing environment in synovial fluid after anterior cruciate ligament reconstruction: Granulocytes and endogenous opioids as new targets of postoperative pain. <i>Biochemistry and Biophysics Reports</i> , 2021 , 26, 100981	2.2	
135	Consistent femoral external rotation during weight-bearing knee flexion is associated with better patient-reported pain and mediolateral balance after total knee arthroplasty. <i>Clinical Biomechanics</i> , 2021 , 88, 105438	2.2	1
134	Biomechanical analysis of a centralization procedure for extruded lateral meniscus after meniscectomy in porcine knee joints. <i>Journal of Orthopaedic Research</i> , 2021 ,	3.8	1
133	Optimal Pore Size of Honeycomb Polylactic Acid Films for In Vitro Cartilage Formation by Synovial Mesenchymal Stem Cells. <i>Stem Cells International</i> , 2021 , 2021, 9239728	5	2
132	Transplantation of human autologous synovial mesenchymal stem cells with trisomy 7 into the knee joint and 5 years of follow-up. <i>Stem Cells Translational Medicine</i> , 2021 , 10, 1530-1543	6.9	3
131	Difference in the joint space of the medial knee compartment between full extension and Rosenberg weight-bearing radiographs. <i>European Radiology</i> , 2021 , 1	8	2
130	Do the distal femur and the proximal tibia have narrower aspect ratios in smaller knees? : A morphological analysis of osteoarthritic knees in the Japanese population using computed tomography. <i>Knee</i> , 2021 , 33, 84-92	2.6	0
129	Intra-articular Injection of Pure Platelet-Rich Plasma Is the Most Effective Treatment for Joint Pain by Modulating Synovial Inflammation and Calcitonin Gene-Related Peptide Expression in a Rat Arthritis Model. <i>American Journal of Sports Medicine</i> , 2020 , 48, 2004-2012	6.8	17
128	Differentiation Potential of Synovial Mesenchymal Stem Cells Isolated From Hip Joints Affected by Femoroacetabular Impingement Syndrome Versus Osteoarthritis. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2020 , 36, 2122-2133	5.4	9

127	Morphological changes in synovial mesenchymal stem cells during their adhesion to the meniscus. <i>Laboratory Investigation</i> , 2020 , 100, 916-927	5.9	4
126	Risk factors for residual anterolateral rotational instability after double bundle anterior cruciate ligament reconstruction: Evaluation by quantitative assessment of the pivot shift phenomenon using triaxial accelerometer. <i>Knee</i> , 2020 , 27, 95-101	2.6	3
125	Fibrotic changes in the infrapatellar fat pad induce new vessel formation and sensory nerve fiber endings that associate prolonged pain. <i>Journal of Orthopaedic Research</i> , 2020 , 38, 1296-1306	3.8	11
124	Synovial fluid-derived mesenchymal cells have non-inferior chondrogenic potential and can be utilized for regenerative therapy as substitute for synovium-derived cells. <i>Biochemical and Biophysical Research Communications</i> , 2020 , 523, 465-472	3.4	9
123	Two-Year Outcomes After Meniscopectomy by Capsular Advancement With the Application of Arthroscopic Centralization Technique for Lateral Compartment Knee Osteoarthritis. <i>American Journal of Sports Medicine</i> , 2020 , 48, 3154-3162	6.8	2
122	Mesenchymal Stem Cells in Synovial Fluid Increase in Knees with Degenerative Meniscus Injury after Arthroscopic Procedures through the Endogenous Effects of CGRP and HGF. <i>Stem Cell Reviews and Reports</i> , 2020 , 16, 1305-1315	7.3	7
121	Relationship between medial meniscus extrusion and cartilage measurements in the knee by fully automatic three-dimensional MRI analysis. <i>BMC Musculoskeletal Disorders</i> , 2020 , 21, 742	2.8	10
120	The environmental risk assessment of cell-processing facilities for cell therapy in a Japanese academic institution. <i>PLoS ONE</i> , 2020 , 15, e0236600	3.7	1
119	Two- and three-dimensional optical coherence tomography to differentiate degenerative changes in a rat meniscectomy model. <i>Journal of Orthopaedic Research</i> , 2020 , 38, 2592-2600	3.8	1
118	Arthroscopic centralization achieved good clinical improvements and radiographic outcomes in a rugby player with osteoarthritis after subtotal lateral meniscectomy: A case report. <i>Journal of Orthopaedic Science</i> , 2020 , 25, 537-543	1.6	2
117	Biomechanical analysis of the centralization procedure for extruded lateral menisci with posterior root deficiency in a porcine model. <i>Journal of Orthopaedic Science</i> , 2020 , 25, 161-166	1.6	13
116	The effect of a centralization procedure for extruded lateral meniscus on load distribution in porcine knee joints at different flexion angles. <i>BMC Musculoskeletal Disorders</i> , 2020 , 21, 205	2.8	5
115	The environmental risk assessment of cell-processing facilities for cell therapy in a Japanese academic institution 2020 , 15, e0236600		
114	The environmental risk assessment of cell-processing facilities for cell therapy in a Japanese academic institution 2020 , 15, e0236600		
113	The environmental risk assessment of cell-processing facilities for cell therapy in a Japanese academic institution 2020 , 15, e0236600		
112	The environmental risk assessment of cell-processing facilities for cell therapy in a Japanese academic institution 2020 , 15, e0236600		
111	A Biomechanical Comparison of Three Miniature Locking Plate Systems in a Rabbit Radial and Ulnar Fracture Model. <i>Veterinary and Comparative Orthopaedics and Traumatology</i> , 2019 , 32, 297-304	1.2	5
110	Comparison of High-Hydrostatic-Pressure Decellularized Versus Freeze-Thawed Porcine Menisci. <i>Journal of Orthopaedic Research</i> , 2019 , 37, 2466-2475	3.8	11

109	Mesenchymal stem cells for cartilage regeneration in dogs. <i>World Journal of Stem Cells</i> , 2019 , 11, 254-269	6	19
108	Effect of cell culture density on dental pulp-derived mesenchymal stem cells with reference to osteogenic differentiation. <i>Scientific Reports</i> , 2019 , 9, 5430	4.9	41
107	Initial cell plating density affects properties of human primary synovial mesenchymal stem cells. <i>Journal of Orthopaedic Research</i> , 2019 , 37, 1358-1367	3.8	8
106	Petaloid recombinant peptide enhances in vitro cartilage formation by synovial mesenchymal stem cells. <i>Journal of Orthopaedic Research</i> , 2019 , 37, 1350-1357	3.8	3
105	Additional Use of Synovial Mesenchymal Stem Cell Transplantation Following Surgical Repair of a Complex Degenerative Tear of the Medial Meniscus of the Knee: A Case Report. <i>Cell Transplantation</i> , 2019 , 28, 1445-1454	4	37
104	Transplantation of Aggregates of Autologous Synovial Mesenchymal Stem Cells for Treatment of Cartilage Defects in the Femoral Condyle and the Femoral Groove in Microminipigs. <i>American Journal of Sports Medicine</i> , 2019 , 47, 2338-2347	6.8	20
103	Cryopreservation in 95% serum with 5% DMSO maintains colony formation and chondrogenic abilities in human synovial mesenchymal stem cells. <i>BMC Musculoskeletal Disorders</i> , 2019 , 20, 316	2.8	11
102	The effect of a longitudinal tear of the medial meniscus on medial meniscal extrusion in anterior cruciate ligament injury patients. <i>Knee</i> , 2019 , 26, 1292-1298	2.6	4
101	Projected Cartilage Area Ratio Determined by 3-Dimensional MRI Analysis: Validation of a Novel Technique to Evaluate Articular Cartilage. <i>JBJs Open Access</i> , 2019 , 4, e0010	3.1	11
100	Time-lapse image analysis for whole colony growth curves and daily distribution of the cell number per colony during the expansion of mesenchymal stem cells. <i>Scientific Reports</i> , 2019 , 9, 16835	4.9	3
99	Effect of meniscus repair on pivot-shift during anterior cruciate ligament reconstruction: Objective evaluation using triaxial accelerometer. <i>Knee</i> , 2019 , 26, 124-131	2.6	21
98	Time course analyses of structural changes in the infrapatellar fat pad and synovial membrane during inflammation-induced persistent pain development in rat knee joint. <i>BMC Musculoskeletal Disorders</i> , 2019 , 20, 8	2.8	13
97	Comparison of three approaches for femoral tunnel during double-bundle anterior cruciate ligament reconstruction: A case controlled study. <i>Journal of Orthopaedic Science</i> , 2019 , 24, 147-152	1.6	3
96	Bone regeneration by calcium phosphate-loaded carboxymethyl cellulose nonwoven sheets in canine femoral condyle defects. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019 , 107, 1516-1521	3.5	5
95	Lateral meniscus posterior root tear contributes to anterolateral rotational instability and meniscus extrusion in anterior cruciate ligament-injured patients. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2018 , 26, 1174-1181	5.5	41
94	Recapitulation of Extracellular LAMININ Environment Maintains Stemness of Satellite Cells In Vitro. <i>Stem Cell Reports</i> , 2018 , 10, 568-582	8	20
93	Hyperbaric oxygen reduces inflammation, oxygenates injured muscle, and regenerates skeletal muscle via macrophage and satellite cell activation. <i>Scientific Reports</i> , 2018 , 8, 1288	4.9	32
92	Comparison of mesenchymal stem cells obtained by suspended culture of synovium from patients with rheumatoid arthritis and osteoarthritis. <i>BMC Musculoskeletal Disorders</i> , 2018 , 19, 78	2.8	10

91	High-sensitivity virus and mycoplasma screening test reveals high prevalence of parvovirus B19 infection in human synovial tissues and bone marrow. <i>Stem Cell Research and Therapy</i> , 2018 , 9, 80	8.3	8
90	Anterior cruciate ligament-derived mesenchymal stromal cells have a propensity to differentiate into the ligament lineage. <i>Regenerative Therapy</i> , 2018 , 8, 20-28	3.7	12
89	Trends in isolated meniscus repair and meniscectomy in Japan, 2011-2016. <i>Journal of Orthopaedic Science</i> , 2018 , 23, 676-681	1.6	27
88	Specific markers and properties of synovial mesenchymal stem cells in the surface, stromal, and perivascular regions. <i>Stem Cell Research and Therapy</i> , 2018 , 9, 123	8.3	27
87	Persistent synovial inflammation plays important roles in persistent pain development in the rat knee before cartilage degradation reaches the subchondral bone. <i>BMC Musculoskeletal Disorders</i> , 2018 , 19, 291	2.8	15
86	Canine mesenchymal stem cells from synovium have a higher chondrogenic potential than those from infrapatellar fat pad, adipose tissue, and bone marrow. <i>PLoS ONE</i> , 2018 , 13, e0202922	3.7	35
85	Synovial Mesenchymal Stem Cells Derived From the Cotyloid Fossa Synovium Have Higher Self-renewal and Differentiation Potential Than Those From the Paralabral Synovium in the Hip Joint. <i>American Journal of Sports Medicine</i> , 2018 , 46, 2942-2953	6.8	15
84	Evaluation of pivot shift phenomenon while awake and under anaesthesia by different manoeuvres using triaxial accelerometer. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2017 , 25, 2377-2383	5.5	32
83	Stem cells in degenerative orthopaedic pathologies: effects of aging on therapeutic potential. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2017 , 25, 626-636	5.5	20
82	Transplantation of autologous synovial mesenchymal stem cells promotes meniscus regeneration in aged primates. <i>Journal of Orthopaedic Research</i> , 2017 , 35, 1274-1282	3.8	50
81	Pretreatment with IL-1 β enhances proliferation and chondrogenic potential of synovium-derived mesenchymal stem cells. <i>Cytotherapy</i> , 2017 , 19, 181-193	4.8	19
80	Fibrous Synovium Releases Higher Numbers of Mesenchymal Stem Cells Than Adipose Synovium in a Suspended Synovium Culture Model. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2017 , 33, 800-810	5.4	24
79	Basic Science of Articular Cartilage. <i>Clinics in Sports Medicine</i> , 2017 , 36, 413-425	2.6	133
78	Complete human serum maintains viability and chondrogenic potential of human synovial stem cells: suitable conditions for transplantation. <i>Stem Cell Research and Therapy</i> , 2017 , 8, 144	8.3	13
77	Yields and chondrogenic potential of primary synovial mesenchymal stem cells are comparable between rheumatoid arthritis and osteoarthritis patients. <i>Stem Cell Research and Therapy</i> , 2017 , 8, 115	8.3	24
76	Centralization of extruded medial meniscus delays cartilage degeneration in rats. <i>Journal of Orthopaedic Science</i> , 2017 , 22, 542-548	1.6	29
75	Augmentation of the Pullout Repair of a Medial Meniscus Posterior Root Tear by Arthroscopic Centralization. <i>Arthroscopy Techniques</i> , 2017 , 6, e1335-e1339	1.7	30
74	Isolation and Characterization of Synovial Mesenchymal Stem Cell Derived from Hip Joints: A Comparative Analysis with a Matched Control Knee Group. <i>Stem Cells International</i> , 2017 , 2017, 9312329 ⁵		41

73	Effects of Different Cell-Detaching Methods on the Viability and Cell Surface Antigen Expression of Synovial Mesenchymal Stem Cells. <i>Cell Transplantation</i> , 2017 , 26, 1089-1102	4	74
72	Technical advantage of recombinant collagenase for isolation of muscle stem cells. <i>Regenerative Therapy</i> , 2017 , 7, 1-7	3.7	1
71	Post-Cam Design and Contact Stress on Tibial Posts in Posterior-Stabilized Total Knee Prostheses: Comparison Between a Rounded and a Squared Design. <i>Journal of Arthroplasty</i> , 2017 , 32, 3757-3762	4.4	10
70	Acute arterial occlusion after total knee arthroplasty: a case report. <i>Clinical Case Reports (discontinued)</i> , 2017 , 5, 1376-1380	0.7	6
69	Prospectively isolated mesenchymal stem/stromal cells are enriched in the CD73 population and exhibit efficacy after transplantation. <i>Scientific Reports</i> , 2017 , 7, 4838	4.9	27
68	Strenuous running exacerbates knee cartilage erosion induced by low amount of mono-iodoacetate in rats. <i>BMC Musculoskeletal Disorders</i> , 2017 , 18, 36	2.8	4
67	Meniscal regeneration after resection of the anterior half of the medial meniscus in mice. <i>Journal of Orthopaedic Research</i> , 2017 , 35, 1958-1965	3.8	8
66	TNF α promotes proliferation of human synovial MSCs while maintaining chondrogenic potential. <i>PLoS ONE</i> , 2017 , 12, e0177771	3.7	14
65	3D-Printed Artificial Meniscus 2017 , 419-433		
64	Coordinate and synergistic effects of extensive treadmill exercise and ovariectomy on articular cartilage degeneration. <i>BMC Musculoskeletal Disorders</i> , 2016 , 17, 238	2.8	10
63	Increase of patellofemoral height has decreased maximum knee flexion after total knee arthroplasty of posterior cruciate-substituting prosthesis in a clinical series. <i>Journal of Orthopaedic Science</i> , 2016 , 21, 458-462	1.6	1
62	Weekly injections of Hylan G-F 20 delay cartilage degeneration in partial meniscectomized rat knees. <i>BMC Musculoskeletal Disorders</i> , 2016 , 17, 188	2.8	6
61	Relationship between MRI T1 rho value and histological findings of intact and radially incised menisci in microminipigs. <i>Journal of Magnetic Resonance Imaging</i> , 2016 , 43, 434-45	5.6	11
60	Closed Suction Drainage Is Not Necessary for Total Knee Arthroplasty: A Prospective Study on Simultaneous Bilateral Surgeries of a Mean Follow-Up of 5.5 Years. <i>Journal of Arthroplasty</i> , 2016 , 31, 641-5	4.4	23
59	Fibroblast growth factor-23 induces cellular senescence in human mesenchymal stem cells from skeletal muscle. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 470, 657-662	3.4	23
58	Cartilage Derived from Bone Marrow Mesenchymal Stem Cells Expresses Lubricin In Vitro and In Vivo. <i>PLoS ONE</i> , 2016 , 11, e0148777	3.7	31
57	Inflammatory cytokine levels in synovial fluid 3, 4 days postoperatively and its correlation with early-phase functional recovery after anterior cruciate ligament reconstruction: a cohort study. <i>Journal of Experimental Orthopaedics</i> , 2016 , 3, 30	2.3	8
56	Two-Year Outcomes After Arthroscopic Lateral Meniscus Centralization. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2016 , 32, 2000-2008	5.4	39

55	A new behind-remnant approach for remnant-preserving double-bundle anterior cruciate ligament reconstruction compared with a standard approach. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2015 , 23, 3743-9	5.5	20
54	Effect of Initial Graft Tension on Knee Stability and Graft Tension Pattern in Double-Bundle Anterior Cruciate Ligament Reconstruction. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2015 , 31, 1756-63	5.4	16
53	Transcription factor Mohawk controls tenogenic differentiation of bone marrow mesenchymal stem cells in vitro and in vivo. <i>Journal of Orthopaedic Research</i> , 2015 , 33, 1-8	3.8	66
52	Mouse synovial mesenchymal stem cells increase in yield with knee inflammation. <i>Journal of Orthopaedic Research</i> , 2015 , 33, 246-53	3.8	26
51	Arthroscopic Transplantation of Synovial Stem Cells Improves Clinical Outcomes in Knees With Cartilage Defects. <i>Clinical Orthopaedics and Related Research</i> , 2015 , 473, 2316-26	2.2	152
50	Elimination of BMP7 from the developing limb mesenchyme leads to articular cartilage degeneration and synovial inflammation with increased age. <i>FEBS Letters</i> , 2015 , 589, 1240-8	3.8	22
49	Synovial mesenchymal stem cells promote meniscus regeneration augmented by an autologous Achilles tendon graft in a rat partial meniscus defect model. <i>Stem Cells</i> , 2015 , 33, 1927-38	5.8	38
48	Platelet-derived growth factor (PDGF)-AA/AB in human serum are potential indicators of the proliferative capacity of human synovial mesenchymal stem cells. <i>Stem Cell Research and Therapy</i> , 2015 , 6, 243	8.3	21
47	Purified Human Synovium Mesenchymal Stem Cells as a Good Resource for Cartilage Regeneration. <i>PLoS ONE</i> , 2015 , 10, e0129096	3.7	70
46	Intraoperative joint gaps and mediolateral balance affect postoperative knee kinematics in posterior-stabilized total knee arthroplasty. <i>Knee</i> , 2015 , 22, 527-34	2.6	24
45	High capacity of purified mesenchymal stem cells for cartilage regeneration. <i>Inflammation and Regeneration</i> , 2015 , 35, 078-085	10.9	2
44	Follistatin alleviates synovitis and articular cartilage degeneration induced by carrageenan. <i>International Journal of Inflammation</i> , 2014 , 2014, 959271	6.4	13
43	Meniscus regeneration by syngeneic, minor mismatched, and major mismatched transplantation of synovial mesenchymal stem cells in a rat model. <i>Journal of Orthopaedic Research</i> , 2014 , 32, 928-36	3.8	26
42	Mesenchymal stem cells in synovial fluid increase after meniscus injury. <i>Clinical Orthopaedics and Related Research</i> , 2014 , 472, 1357-64	2.2	94
41	Synovial stem cells in musculoskeletal regeneration. <i>Journal of the American Academy of Orthopaedic Surgeons, The</i> , 2013 , 21, 258-9	4.5	7
40	Transplantation of aggregates of synovial mesenchymal stem cells regenerates meniscus more effectively in a rat massive meniscal defect. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 435, 603-9	3.4	50
39	Transplantation of Achilles tendon treated with bone morphogenetic protein 7 promotes meniscus regeneration in a rat model of massive meniscal defect. <i>Arthritis and Rheumatism</i> , 2013 , 65, 2876-86		38
38	Intraarticular injection of synovial stem cells promotes meniscal regeneration in a rabbit massive meniscal defect model. <i>Journal of Orthopaedic Research</i> , 2013 , 31, 1354-9	3.8	74

37	Arthroscopic centralization of an extruded lateral meniscus. <i>Arthroscopy Techniques</i> , 2012 , 1, e209-12	1.7	31
36	Arthroscopic, histological and MRI analyses of cartilage repair after a minimally invasive method of transplantation of allogeneic synovial mesenchymal stromal cells into cartilage defects in pigs. <i>Cytotherapy</i> , 2012 , 14, 327-38	4.8	91
35	Properties and usefulness of aggregates of synovial mesenchymal stem cells as a source for cartilage regeneration. <i>Arthritis Research and Therapy</i> , 2012 , 14, R136	5.7	80
34	Human mesenchymal stem cells in synovial fluid increase in the knee with degenerated cartilage and osteoarthritis. <i>Journal of Orthopaedic Research</i> , 2012 , 30, 943-9	3.8	155
33	Implantation of allogenic synovial stem cells promotes meniscal regeneration in a rabbit meniscal defect model. <i>Journal of Bone and Joint Surgery - Series A</i> , 2012 , 94, 701-12	5.6	101
32	Comparison of Gingiva, Dental Pulp, and Periodontal Ligament Cells From the Standpoint of Mesenchymal Stem Cell Properties. <i>Cell Medicine</i> , 2012 , 4, 13-21	4.9	27
31	Isolation and characterization of multipotential mesenchymal cells from the mouse synovium. <i>PLoS ONE</i> , 2012 , 7, e45517	3.7	68
30	BMP-7 inhibits cartilage degeneration through suppression of inflammation in rat zymosan-induced arthritis. <i>Cell and Tissue Research</i> , 2011 , 344, 321-32	4.2	19
29	Morphological differences during in vitro chondrogenesis of bone marrow-, synovium-MSCs, and chondrocytes. <i>Laboratory Investigation</i> , 2010 , 90, 210-21	5.9	32
28	Intradiscal transplantation of synovial mesenchymal stem cells prevents intervertebral disc degeneration through suppression of matrix metalloproteinase-related genes in nucleus pulposus cells in rabbits. <i>Arthritis Research and Therapy</i> , 2010 , 12, R206	5.7	104
27	Ketoprofen absorption by muscle and tendon after topical or oral administration in patients undergoing anterior cruciate ligament reconstruction. <i>AAPS PharmSciTech</i> , 2010 , 11, 154-8	3.9	19
26	Mesenchymal stem cells derived from synovium, meniscus, anterior cruciate ligament, and articular chondrocytes share similar gene expression profiles. <i>Journal of Orthopaedic Research</i> , 2009 , 27, 435-41	3.8	160
25	Periodic knee injections of BMP-7 delay cartilage degeneration induced by excessive running in rats. <i>Journal of Orthopaedic Research</i> , 2009 , 27, 1088-92	3.8	38
24	Intra-articular Injected synovial stem cells differentiate into meniscal cells directly and promote meniscal regeneration without mobilization to distant organs in rat massive meniscal defect. <i>Stem Cells</i> , 2009 , 27, 878-87	5.8	198
23	Weekly intra-articular injections of bone morphogenetic protein-7 inhibits osteoarthritis progression. <i>Arthritis Research and Therapy</i> , 2008 , 10, R118	5.7	52
22	Local adherent technique for transplanting mesenchymal stem cells as a potential treatment of cartilage defect. <i>Arthritis Research and Therapy</i> , 2008 , 10, R84	5.7	146
21	Serum keratan sulfate transiently increases in the early stage of osteoarthritis during strenuous running of rats: protective effect of intraarticular hyaluronan injection. <i>Arthritis Research and Therapy</i> , 2008 , 10, R13	5.7	34
20	Comparison of mesenchymal tissues-derived stem cells for in vivo chondrogenesis: suitable conditions for cell therapy of cartilage defects in rabbit. <i>Cell and Tissue Research</i> , 2008 , 333, 207-15	4.2	222

19	Autologous synovial fluid enhances migration of mesenchymal stem cells from synovium of osteoarthritis patients in tissue culture system. <i>Journal of Orthopaedic Research</i> , 2008 , 26, 1413-8	3.8	38
18	Increased proliferation of human synovial mesenchymal stem cells with autologous human serum: comparisons with bone marrow mesenchymal stem cells and with fetal bovine serum. <i>Arthritis and Rheumatism</i> , 2008 , 58, 501-10		137
17	Analysis of the chondrogenic potential of human synovial stem cells according to harvest site and culture parameters in knees with medial compartment osteoarthritis. <i>Arthritis and Rheumatism</i> , 2008 , 58, 1389-98		77
16	Exogenous synovial stem cells adhere to defect of meniscus and differentiate into cartilage cells. <i>Journal of Medical and Dental Sciences</i> , 2008 , 55, 101-11		40
15	Fibrous change of the infrapatellar fat pad due to strenuous running exercise and its treatment with intraarticular hyaluronan injection in a rat model. <i>Journal of Medical and Dental Sciences</i> , 2008 , 55, 163-73		14
14	Synovial stem cells are regionally specified according to local microenvironments after implantation for cartilage regeneration. <i>Stem Cells</i> , 2007 , 25, 689-96	5.8	151
13	Comparison of rat mesenchymal stem cells derived from bone marrow, synovium, periosteum, adipose tissue, and muscle. <i>Cell and Tissue Research</i> , 2007 , 327, 449-62	4.2	557
12	A prospective randomized study of 4-strand semitendinosus tendon anterior cruciate ligament reconstruction comparing single-bundle and double-bundle techniques. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2007 , 23, 618-28	5.4	363
11	Higher chondrogenic potential of fibrous synovium- and adipose synovium-derived cells compared with subcutaneous fat-derived cells: distinguishing properties of mesenchymal stem cells in humans. <i>Arthritis and Rheumatism</i> , 2006 , 54, 843-53		219
10	In vitro chondrogenesis of human synovium-derived mesenchymal stem cells: optimal condition and comparison with bone marrow-derived cells. <i>Journal of Cellular Biochemistry</i> , 2006 , 97, 84-97	4.7	225
9	Comparison of human stem cells derived from various mesenchymal tissues: superiority of synovium as a cell source. <i>Arthritis and Rheumatism</i> , 2005 , 52, 2521-9		1143
8	Comparison of effect of BMP-2, -4, and -6 on in vitro cartilage formation of human adult stem cells from bone marrow stroma. <i>Cell and Tissue Research</i> , 2005 , 320, 269-76	4.2	256
7	Suspended cells from trabecular bone by collagenase digestion become virtually identical to mesenchymal stem cells obtained from marrow aspirates. <i>Blood</i> , 2004 , 104, 2728-35	2.2	183
6	Adipogenic differentiation of human adult stem cells from bone marrow stroma (MSCs). <i>Journal of Bone and Mineral Research</i> , 2004 , 19, 256-64	6.3	226
5	In vitro cartilage formation by human adult stem cells from bone marrow stroma defines the sequence of cellular and molecular events during chondrogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 4397-402	11.5	558
4	Expansion of human adult stem cells from bone marrow stroma: conditions that maximize the yields of early progenitors and evaluate their quality. <i>Stem Cells</i> , 2002 , 20, 530-41	5.8	793
3	Transcriptional suppression of Sox9 expression in chondrocytes by retinoic acid. <i>Journal of Cellular Biochemistry</i> , 2001 , Suppl 36, 71-8	4.7	29
2	BMP-6 enhances chondrogenesis in a subpopulation of human marrow stromal cells. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 284, 411-8	3.4	260

- 1 Two-bundle reconstruction of the anterior cruciate ligament using semitendinosus tendon with endobuttons: operative technique and preliminary results. *Arthroscopy - Journal of Arthroscopic and Related Surgery*, **1999**, 15, 618-24 5.4 291