

Mitsuru Mizuno

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,076
citations

430874

18
h-index

434195

31
g-index

55
all docs

55
docs citations

55
times ranked

1181
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 2022, 27, 821-834.	1.1	10
2	Biomechanical analysis of a centralization procedure for extruded lateral meniscus after meniscectomy in porcine knee joints. <i>Journal of Orthopaedic Research</i> , 2022, 40, 1097-1103.	2.3	17
3	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.	2.2	3
4	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.	5.5	12
5	Safety of using cultured cells with trisomy 7 in cell therapy for treating osteoarthritis. <i>Regenerative Therapy</i> , 2022, 21, 81-86.	3.0	3
6	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.	2.3	23
7	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.	3.3	6
8	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.	1.3	3
9	Alterations in cartilage quantification before and after injections of mesenchymal stem cells into osteoarthritic knees. <i>Scientific Reports</i> , 2021, 11, 13832.	3.3	16
10	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, 1-9.	2.5	6
11	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.	3.3	16
12	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.	1.1	26
13	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.	3.8	14
14	The environmental risk assessment of cell-processing facilities for cell therapy in a Japanese academic institution. <i>PLoS ONE</i> , 2020, 15, e0236600.	2.5	10
15	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.	2.3	1
16	Morphological changes in synovial mesenchymal stem cells during their adhesion to the meniscus. <i>Laboratory Investigation</i> , 2020, 100, 916-927.	3.7	10
17	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.	1.9	17
18	Title is missing!. , 2020, 15, e0236600.		0

#	ARTICLE	IF	CITATIONS
19	Title is missing!. , 2020, 15, e0236600.		0
20	Title is missing!. , 2020, 15, e0236600.		0
21	Title is missing!. , 2020, 15, e0236600.		0
22	Initial cell plating density affects properties of human primary synovial mesenchymal stem cells. <i>Journal of Orthopaedic Research</i> , 2019, 37, 1358-1367.	2.3	14
23	Petaloid recombinant peptide enhances in vitro cartilage formation by synovial mesenchymal stem cells. <i>Journal of Orthopaedic Research</i> , 2019, 37, 1350-1357.	2.3	4
24	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.	2.5	66
25	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.	4.2	33
26	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.	1.9	15
27	Comparison of High-Pressure Decellularized Versus Freeze-Thawed Porcine Menisci. <i>Journal of Orthopaedic Research</i> , 2019, 37, 2466-2475.	2.3	24
28	Mesenchymal stem cells for cartilage regeneration in dogs. <i>World Journal of Stem Cells</i> , 2019, 11, 254-269.	2.8	33
29	Projected Cartilage Area Ratio Determined by 3-Dimensional MRI Analysis. <i>JBJS Open Access</i> , 2019, 4, e0010.	1.5	13
30	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.	3.3	7
31	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.	1.9	12
32	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.	5.5	16
33	Anterior cruciate ligament-derived mesenchymal stromal cells have a propensity to differentiate into the ligament lineage. <i>Regenerative Therapy</i> , 2018, 8, 20-28.	3.0	13
34	Trends in isolated meniscus repair and meniscectomy in Japan, 2011–2016. <i>Journal of Orthopaedic Science</i> , 2018, 23, 676-681.	1.1	43
35	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.	5.5	43
36	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.	2.5	60

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37	Transplantation of autologous synovial mesenchymal stem cells promotes meniscus regeneration in aged primates. <i>Journal of Orthopaedic Research</i> , 2017, 35, 1274-1282.	2.3	59
38	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.	2.7	33
39	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.	5.5	17
40	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.	5.5	26
41	TNF α promotes proliferation of human synovial MSCs while maintaining chondrogenic potential. <i>PLoS ONE</i> , 2017, 12, e0177771.	2.5	20
42	Cartilage Derived from Bone Marrow Mesenchymal Stem Cells Expresses Lubricin In Vitro and In Vivo. <i>PLoS ONE</i> , 2016, 11, e0148777.	2.5	40
43	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, 1927-1938.	3.2	51
44	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.	5.5	28
45	Synovial mesenchymal stem cells promote healing after meniscal repair in microminipigs. <i>Osteoarthritis and Cartilage</i> , 2015, 23, 1007-1017.	1.3	110
46	Brief Report: Reconstruction of Joint Hyaline Cartilage by Autologous Progenitor Cells Derived from Ear Elastic Cartilage. <i>Stem Cells</i> , 2014, 32, 816-821.	3.2	20
47	Transient vascularization of transplanted human adult α derived progenitors promotes self-organizing cartilage. <i>Journal of Clinical Investigation</i> , 2014, 124, 4325-4334.	8.2	25
48	Presence of Cartilage Stem/Progenitor Cells in Adult Mice Auricular Perichondrium. <i>PLoS ONE</i> , 2011, 6, e26393.	2.5	55