Kazunori Yasuda

List of Publications by Year
in descending order

149	7,531	46984	53190
papers	citations	47 h-index	85 g-index

151	151	151	4741
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Anatomic reconstruction of the anteromedial and posterolateral bundles of the anterior cruciate ligament using hamstring tendon grafts. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2004, 20, 1015-1025.	1.3	512
2	Clinical Evaluation of Anatomic Double-Bundle Anterior Cruciate Ligament Reconstruction Procedure Using Hamstring Tendon Grafts: Comparisons Among 3 Different Procedures. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2006, 22, 240-251.	1.3	474
3	Graft Site Morbidity with Autogenous Semitendinosus and Gracilis Tendons. American Journal of Sports Medicine, 1995, 23, 706-714.	1.9	341
4	Biomechanical properties of high-toughness double network hydrogels. Biomaterials, 2005, 26, 4468-4475.	5.7	288
5	Comparisons of intraosseous graft healing between the doubled flexor tendon graft and the boneâ€“Patellar tendonâ€“Bone graft in anterior cruciate ligament reconstruction. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2001, 17, 461-476.	1.3	286
6	Prospective Clinical Comparisons of Anatomic Double-Bundle versus Single-Bundle Anterior Cruciate Ligament Reconstruction Procedures in 328 Consecutive Patients. American Journal of Sports Medicine, 2008, 36, 1675-1687.	1.9	279
7	Doubleâ€Network Hydrogels Strongly Bondable to Bones by Spontaneous Osteogenesis Penetration. Advanced Materials, 2016, 28, 6740-6745.	11.1	225
8	Effects of Initial Graft Tension on Clinical Outcome After Anterior Cruciate Ligament Reconstruction. American Journal of Sports Medicine, 1997, 25, 99-106.	1.9	208
9	Biomechanical Comparison of Anatomic Double-Bundle, Anatomic Single-Bundle, and Nonanatomic Single-Bundle Anterior Cruciate Ligament Reconstructions. American Journal of Sports Medicine, 2011, 39, 279-288.	1.9	182
10	Effects of Local Administration of Vascular Endothelial Growth Factor on Mechanical Characteristics of the Semitendinosus Tendon Graft after Anterior Cruciate Ligament Reconstruction in Sheep. American Journal of Sports Medicine, 2006, 34, 1918-1925.	1.9	157
11	A Novel Doubleâ€Network Hydrogel Induces Spontaneous Articular Cartilage Regeneration in vivo in a Large Osteochondral Defect. Macromolecular Bioscience, 2009, 9, 307-316.	2.1	157
12	Proteoglycans and Glycosaminoglycans Improve Toughness of Biocompatible Double Network Hydrogels. Advanced Materials, 2014, 26, 436-442.	11.1	155
13	Anatomic Single- and Double-Bundle Anterior Cruciate Ligament Reconstruction, Part 1. American Journal of Sports Medicine, 2011, 39, 1789-1800.	1.9	154
14	Biodegradation of high-toughness double network hydrogels as potential materials for artificial cartilage. Journal of Biomedical Materials Research - Part A, 2007, 81A, 373-380.	2.1	138
15	The Effect of Transforming Growth Factor-Î²1 on Intraosseous Healing of Flexor Tendon Autograft Replacement of Anterior Cruciate Ligament in Dogs. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2005, 21, 1034-1041.	1.3	131
16	Anisotropic tough double network hydrogel from fish collagen and its spontaneous inÂvivo bonding to bone. Biomaterials, 2017, 132, 85-95.	5.7	122
17	Robust bonding and one-step facile synthesis of tough hydrogels with desirable shape by virtue of the double network structure. Polymer Chemistry, 2011, 2, 575-580.	1.9	108
18	Second-Look Arthroscopic Evaluations of Anatomic Double-Bundle Anterior Cruciate Ligament Reconstruction: Relation With Postoperative Knee Stability. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2007, 23, 1198-1209.	1.3	100

#	Article	IF	Citations
19	The Effect of Nonphysiologically High Initial Tension on the Mechanical Properties of in Situ Frozen Anterior Cruciate Ligament in a Canine Model. American Journal of Sports Medicine, 2000, 28, 47-56.	1.9	98
20	Biomechanical Comparisons of Knee Stability After Anterior Cruciate Ligament Reconstruction Between 2 Clinically Available Transtibial Procedures. American Journal of Sports Medicine, 2010, 38, 1349-1358.	1.9	98
21	Anatomic Double-Bundle Anterior Cruciate Ligament Reconstruction. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2010, 26, S21-S34.	1.3	93
22	The effect of intraosseous graft length on tendon-bone healing in anterior cruciate ligament reconstruction using flexor tendon. Knee Surgery, Sports Traumatology, Arthroscopy, 2006, 14, 1086-1093.	2.3	92
23	Anatomic and histologic analysis of the mid-substance and fan-like extension fibres of the anterior cruciate ligament during knee motion, with special reference to the femoral attachment. Knee Surgery, Sports Traumatology, Arthroscopy, 2014, 22, 336-344.	2.3	91
24	An In Vivo Biomechanical Study on the Tensionâ€“Versusâ€“Knee Flexion Angle Curves of 2 Grafts in Anatomic Double-Bundle Anterior Cruciate Ligament Reconstruction: Effects of Initial Tension and Internal Tibial Rotation. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2008, 24, 276-284.	1.3	90
25	The Effect of Cyclic Displacement On the Biomechanical Characteristics of Anterior Cruciate Ligament Reconstructions. American Journal of Sports Medicine, 1999, 27, 772-777.	1.9	87
26	The Effect of Growth Factors on Biomechanical Properties of the Bone-Patellar Tendon-Bone Graft after Anterior Cruciate Ligament Reconstruction. American Journal of Sports Medicine, 2004, 32, 870-880.	1.9	86
27	Effects of complete stress-shielding on the mechanical properties and histology of in situ frozen patellar tendon. Journal of Orthopaedic Research, 1993, 11, 592-602.	1.2	79
28	Changes in biomechanical properties of tendons and ligaments from joint disuse. Osteoarthritis and Cartilage, 1999, 7, 122-129.	0.6	78
29	In Vivo Biological Responses and Bioresorption of Tilapia Scale Collagen as a Potential Biomaterial. Journal of Biomaterials Science, Polymer Edition, 2009, 20, 1353-1368.	1.9	73
30	In vitro differentiation of chondrogenic ATDC5 cells is enhanced by culturing on synthetic hydrogels with various charge densities. Acta Biomaterialia, 2010, 6, 494-501.	4.1	73
31	Biological responses of novel high-toughness double network hydrogels in muscle and the subcutaneous tissues. Journal of Materials Science: Materials in Medicine, 2008, 19, 1379-1387.	1.7	71
32	Comparisons of femoral tunnel enlargement in 169 patients between single-bundle and anatomic double-bundle anterior cruciate ligament reconstructions with hamstring tendon grafts. Knee Surgery, Sports Traumatology, Arthroscopy, 2011, 19, 1249-1257.	2.3	71
33	Effects of Remnant Tissue Preservation on Clinical and Arthroscopic Results After Anatomic Double-Bundle Anterior Cruciate Ligament Reconstruction. American Journal of Sports Medicine, 2015, 43, 1882-1892.	1.9	68
34	The Effect of Initial Graft Tension in Anterior Cruciate Ligament Reconstruction on the Mechanical Behaviors of the Femur-Graft-Tibia Complex during Cyclic Loading. American Journal of Sports Medicine, 2002, 30, 800-805.	1.9	67
35	Effects of Remnant Tissue Preservation on the Tendon Graft in Anterior Cruciate Ligament Reconstruction. American Journal of Sports Medicine, 2016, 44, 1708-1716.	1.9	65
36	Clinical Outcome and Glenoid Morphology After Arthroscopic Repair of Chronic Osseous Bankart Lesions. Journal of Bone and Joint Surgery - Series A, 2015, 97, 1833-1843.	1.4	64

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37	Effects of combined administration of transforming growth factor-Î²1 and epidermal growth factor on properties of the in situ frozen anterior cruciate ligament in rabbits. Journal of Orthopaedic Research, 2002, 20, 1345-1351.	1.2	62
38	Stress deprivation simultaneously induces over-expression of interleukin-1beta, tumor necrosis factor-alpha, and transforming growth factor-beta in fibroblasts and mechanical deterioration of the tissue in the patellar tendon. Journal of Biomechanics, 2005, 38, 791-798.	0.9	60
39	A Pilot Study of Anatomic Double-Bundle Anterior Cruciate Ligament Reconstruction With Ligament Remnant Tissue Preservation. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2012, 28, 343-353.	1.3	59
40	Deterioration of Mechanical Properties of the Autograft in Controlled Stress-shielded Augmentation Procedures. American Journal of Sports Medicine, 1994, 22, 821-829.	1.9	58
41	Effects of Local Administration of Vascular Endothelial Growth Factor on Properties of the in Situ Frozen-Thawed Anterior Cruciate Ligament in Rabbits. American Journal of Sports Medicine, 2006, 34, 84-91.	1.9	58
42	Biomechanical effects of stress shielding of the rabbit patellar tendon depend on the degree of stress reduction. Journal of Orthopaedic Research, 1996, 14, 377-383.	1.2	57
43	Randomized clinical comparisons of diclofenac concentration in the soft tissues and blood plasma between topical and oral applications. British Journal of Clinical Pharmacology, 2009, 67, 125-129.	1.1	57
44	The effect of transforming growth factor-beta on mechanical properties of the fibrous tissue regenerated in the patellar tendon after resecting the central portion. Clinical Biomechanics, 2005, 20, 959-965.	0.5	54
45	Radiologic Evaluation of Femoral and Tibial Tunnels Created With the Transtibial Tunnel Technique for Anatomic Double-Bundle Anterior Cruciate Ligament Reconstruction. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2007, 23, 869-876.	1.3	51
46	The Effect of Graft-Tunnel Diameter Disparity on Intraosseous Healing of the Flexor Tendon Graft in Anterior Cruciate Ligament Reconstruction. American Journal of Sports Medicine, 2002, 30, 498-505.	1.9	50
47	Tuning of cell proliferation on tough gels by critical charge effect. Journal of Biomedical Materials Research - Part A, 2009, 88A, 74-83.	2.1	49
48	Rapid reprogramming of tumour cells into cancer stem cells on double-network hydrogels. Nature Biomedical Engineering, 2021, 5, 914-925.	11.6	48
49	Effects of Administration of Exogenous Growth Factors on Biomechanical Properties of the Elongation-type Anterior Cruciate Ligament Injury with Partial Laceration. American Journal of Sports Medicine, 2005, 33, 188-196.	1.9	47
50	Tunnel location in transparent 3-dimensional CT in anatomic double-bundle anterior cruciate ligament reconstruction with the trans-tibial tunnel technique. Knee Surgery, Sports Traumatology, Arthroscopy, 2010, 18, 1176-1183.	2.3	47
51	Biomechanical comparisons of anterior cruciate ligament: reconstruction procedures with flexor tendon graft. Journal of Orthopaedic Science, 2000, 5, 585-592.	0.5	45
52	Artificial cartilage made from a novel doubleâ€network hydrogel: In vivo effects on the normal cartilage and ex vivo evaluation of the friction property. Journal of Biomedical Materials Research - Part A, 2010, 93A, 1160-1168.	2.1	44
53	Extrinsic Cell Infiltration and Revascularization Accelerate Mechanical Deterioration of the Patellar Tendon After Fibroblast Necrosis. Journal of Biomechanical Engineering, 2000, 122, 594-599.	0.6	43
54	Chondrogenesis on sulfonate-coated hydrogels is regulated by their mechanical properties. Journal of the Mechanical Behavior of Biomedical Materials, 2013, 17, 337-346.	1.5	41

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55	Mechanical properties of the anterior cruciate ligament chronically relaxed by elevation of the tibial insertion. Journal of Orthopaedic Research, 1996, 14, 157-166.	1.2	40
56	Biomechanical Analysis of Knee Laxity With Isolated Anteromedial or Posterolateral Bundleâ€“Deficient Anterior Cruciate Ligament. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2014, 30, 335-343.	1.3	38
57	Timing of administration of transforming growth factor-beta and epidermal growth factor influences the effect on material properties of the in situ frozen-thawed anterior cruciate ligament. Journal of Biomechanics, 2003, 36, 373-381.	0.9	37
58	Biomechanical Comparisons Between 4-Strand and Modified Larson 2-Strand Procedures for Reconstruction of the Posterolateral Corner of the Knee. American Journal of Sports Medicine, 2011, 39, 1462-1469.	1.9	37
59	Polyelectrolyte hydrogels for replacement and regeneration of biological tissues. Macromolecular Research, 2014, 22, 227-235.	1.0	36
60	Clinical results of posterior cruciate ligament retaining TKA with alumina ceramic condylar prosthesis: comparison to Coâ€“Cr alloy prosthesis. Knee Surgery, Sports Traumatology, Arthroscopy, 2008, 16, 152-156.	2.3	35
61	Hydroxyapatite-coated double network hydrogel directly bondable to the bone: Biological and biomechanical evaluations of the bonding property in an osteochondral defect. Acta Biomaterialia, 2016, 44, 125-134.	4.1	35
62	Effects ofin situ freezing and stress-shielding on the ultrastructure of rabbit patellar tendons. Journal of Orthopaedic Research, 1997, 15, 904-910.	1.2	34
63	Induction of Spontaneous Hyaline Cartilage Regeneration Using a Double-Network Gel. American Journal of Sports Medicine, 2011, 39, 1160-1169.	1.9	31
64	Prospective clinical comparisons of semitendinosus versus semitendinosus and gracilis tendon autografts for anatomic double-bundle anterior cruciate ligament reconstruction. Journal of Orthopaedic Science, 2013, 18, 754-761.	0.5	29
65	Surgical and biomechanical concepts of anatomic anterior cruciate ligament reconstruction. Operative Techniques in Orthopaedics, 2005, 15, 96-102.	0.2	28
66	Effects of separate application of three growth factors (TGF-beta1, EGF, and PDGF-BB) on mechanical properties of the in situ frozenâ€“thawed anterior cruciate ligament. Clinical Biomechanics, 2005, 20, 283-290.	0.5	27
67	Spontaneous hyaline cartilage regeneration can be induced in an osteochondral defect created in the femoral condyle using a novel double-network hydrogel. BMC Musculoskeletal Disorders, 2011, 12, 49.	0.8	26
68	In vivo effects of isolated implantation of salmon-derived crosslinked atelocollagen sponge into an osteochondral defect. Journal of Materials Science: Materials in Medicine, 2011, 22, 397-404.	1.7	26
69	Local Administration of Autologous Synovium-Derived Cells Improve the Structural Properties of Anterior Cruciate Ligament Autograft Reconstruction in Sheep. American Journal of Sports Medicine, 2011, 39, 999-1007.	1.9	25
70	Implantation of Autogenous Meniscal Fragments Wrapped with a Fascia Sheath Enhances Fibrocartilage Regeneration in Vivo in a Large Harvest Site Defect. American Journal of Sports Medicine, 2010, 38, 740-748.	1.9	24
71	Gender-Based Differences in Outcome After Anatomic Double-Bundle Anterior Cruciate Ligament Reconstruction With Hamstring Tendon Autografts. American Journal of Sports Medicine, 2011, 39, 1849-1857.	1.9	24
72	Clinical comparison of two suspensory fixation devices for anatomic double-bundle anterior cruciate ligament reconstruction. Knee Surgery, Sports Traumatology, Arthroscopy, 2012, 20, 1261-1267.	2.3	24

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73	Tunnel Enlargement and Coalition After Anatomic Double-Bundle Anterior Cruciate Ligament Reconstruction With Hamstring Tendon Autografts. Orthopaedic Journal of Sports Medicine, 2013, 1, 232596711348644.	0.8	22
74	Fundamental biomaterial properties of tough glycosaminoglycan-containing double network hydrogels newly developed using the molecular stent method. Acta Biomaterialia, 2016, 43, 38-49.	4.1	22
75	Micro patterning of hydroxyapatite by soft lithography on hydrogels for selective osteoconduction. Acta Biomaterialia, 2018, 81, 60-69.	4.1	22
76	The effect of cell-based therapy with autologous synovial fibroblasts activated by exogenous TGF-Î²1 on the in situ frozen-thawed anterior cruciate ligament. Journal of Orthopaedic Science, 2004, 9, 488-494.	0.5	21
77	Primary Stability of Three Posterior Cruciate Ligament Reconstruction Procedures: A Biomechanical In Vitro Study. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2005, 21, 970-978.	1.3	20
78	Effects of administration of transforming growth factor (TGF)-beta1 and anti-TGF-beta1 antibody on the mechanical properties of the stress-shielded patellar tendon. Journal of Biomechanics, 2006, 39, 2566-2572.	0.9	20
79	Gene expression profile of the cartilage tissue spontaneously regenerated in vivo by using a novel double-network gel: Comparisons with the normal articular cartilage. BMC Musculoskeletal Disorders, 2011, 12, 213.	0.8	20
80	One-stage anatomic double-bundle anterior and posterior cruciate ligament reconstruction using the autogenous hamstring tendons. Knee Surgery, Sports Traumatology, Arthroscopy, 2009, 17, 800-805.	2.3	19
81	Gene expression, glycocalyx assay, and surface properties of human endothelial cells cultured on hydrogel matrix with sulfonic moiety: Effect of elasticity of hydrogel. Journal of Biomedical Materials Research - Part A, 2010, 95A, 531-542.	2.1	19
82	The Effect of Intraoperative Graft Coverage With Preserved Remnant Tissue on the Results of the Pivot-Shift Test After Anatomic Double-Bundle Anterior Cruciate Ligament Reconstruction: Quantitative Evaluations With an Electromagnetic Sensor System. American Journal of Sports Medicine, 2017, 45, 2217-2225.	1.9	19
83	In vivo cartilage regeneration induced by a doubleâ€network hydrogel: Evaluation of a novel therapeutic strategy for femoral articular cartilage defects in a sheep model. Journal of Biomedical Materials Research - Part A, 2016, 104, 2159-2165.	2.1	18
84	A quantitative technique to create a femoral tunnel at the averaged center of the anteromedial bundle attachment in anatomic double-bundle anterior cruciate ligament reconstruction. BMC Musculoskeletal Disorders, 2013, 14, 189.	0.8	17
85	Effects of osteochondral defect size on cartilage regeneration using a double-network hydrogel. BMC Musculoskeletal Disorders, 2017, 18, 210.	0.8	17
86	Effects of Remnant Tissue Preservation on Tunnel Enlargement After Anatomic Double-Bundle Anterior Cruciate Ligament Reconstruction Using the Hamstring Tendon. Orthopaedic Journal of Sports Medicine, 2018, 6, 232596711881129.	0.8	16
87	Flurbiprofen concentration in soft tissues is higher after topical application than after oral administration. British Journal of Clinical Pharmacology, 2013, 75, 799-804.	1.1	15
88	Biomechanical Evaluation of a Novel Application of a Fixation Device for Bone-Tendon-Bone Graft (EndoButton CL BTB) to Soft-Tissue Grafts in Anatomic Double-Bundle Anterior Cruciate Ligament Reconstruction. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2010, 26, 1226-1232.	1.3	14
89	Joint immobilization inhibits spontaneous hyaline cartilage regeneration induced by a novel double-network gel implantation. Journal of Materials Science: Materials in Medicine, 2011, 22, 417-425.	1.7	14
90	Intra-articular administration of hyaluronic acid increases the volume of the hyaline cartilage regenerated in a large osteochondral defect by implantation of a double-network gel. Journal of Materials Science: Materials in Medicine, 2014, 25, 1173-1182.	1.7	14

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91	Poly(2â€²acrylamidoâ€²2â€²methylpropanesulfonic acid) gel induces articular cartilage regeneration in vivo: Comparisons of the induction ability between singleâ€•and doubleâ€•network gels. Journal of Biomedical Materials Research - Part A, 2012, 100A, 2244-2251.	2.1	13
92	Clinical results of anterior cruciate ligament reconstruction with ligament remnant tissue preservation: A systematic review. Asia-Pacific Journal of Sports Medicine, Arthroscopy, Rehabilitation and Technology, 2016, 4, 1-8.	0.4	13
93	Effects of initial graft tension on clinical outcome after anatomic double-bundle anterior cruciate ligament reconstruction: comparison of two graft tension protocols. BMC Musculoskeletal Disorders, 2016, 17, 65.	0.8	13
94	Biomechanical evaluation of a newly devised model for the elongation-type anterior cruciate ligament injury with partial laceration and permanent elongation. Clinical Biomechanics, 2003, 18, 942-949.	0.5	12
95	Hyaluronic acid enhances the effect of the PAMPS/PDMAAm double-network hydrogel on chondrogenic differentiation of ATDC5 cells. BMC Musculoskeletal Disorders, 2014, 15, 222.	0.8	12
96	Bleeding from the bone marrow enhances remodeling of the in situ frozen-thawed anterior cruciate ligament. Clinical Biomechanics, 2007, 22, 941-949.	0.5	11
97	Stress deprivation from the patellar tendon induces apoptosis of fibroblasts in vivo with activation of mitogen-activated protein kinases. Journal of Biomechanics, 2009, 42, 2611-2615.	0.9	11
98	Study on the Sliding Friction of Endothelial Cells Cultured on Hydrogel and the Role of Glycocalyx on Friction Reduction. Advanced Engineering Materials, 2010, 12, B628.	1.6	11
99	Synthetic <scp>PAMPS</scp> gel activates <scp>BMP</scp>/Smad signaling pathway in <scp>ATDC</scp>5 cells, which plays a significant role in the gelâ€•induced chondrogenic differentiation. Journal of Biomedical Materials Research - Part A, 2016, 104, 734-746.	2.1	11
100	Local administration of interleukin-1 receptor antagonist inhibits deterioration of mechanical properties of the stress-shielded patellar tendon. Journal of Biomechanics, 2008, 41, 884-889.	0.9	10
101	Hyaluronic acid affects the in vitro induction effects of Synthetic PAMPS and PDMAAm hydrogels on chondrogenic differentiation of ATDC5 cells, depending on the level of concentration. BMC Musculoskeletal Disorders, 2013, 14, 56.	0.8	10
102	Influence of the gel thickness on in vivo hyaline cartilage regeneration induced by double-network gel implanted at the bottom of a large osteochondral defect: Short-term results. BMC Musculoskeletal Disorders, 2013, 14, 50.	0.8	10
103	Development of a salmon-derived crosslinked atelocollagen sponge disc containing osteogenic protein-1 for articular cartilage regeneration: in vivo evaluations with rabbits. BMC Musculoskeletal Disorders, 2013, 14, 174.	0.8	8
104	Impact of Surgical Timing on Clinical Outcomes in Anatomic Double-Bundle Anterior Cruciate Ligament Reconstruction Using Hamstring Tendon Autografts. Orthopaedic Journal of Sports Medicine, 2019, 7, 232596711988055.	0.8	8
105	Inclination of Blumensaatâ€™s line influences on the accuracy of the quadrant method in evaluation for anterior cruciate ligament reconstruction. Knee Surgery, Sports Traumatology, Arthroscopy, 2020, 28, 1885-1893.	2.3	8
106	Integrin Î±4 mediates ATDC5 cell adhesion to negatively charged synthetic polymer hydrogel leading to chondrogenic differentiation. Biochemical and Biophysical Research Communications, 2020, 528, 120-126.	1.0	8
107	Ex vivo supplementation of TGF-beta1 enhances the fibrous tissue regeneration effect of synovium-derived fibroblast transplantation in a tendon defect: a biomechanical study. Knee Surgery, Sports Traumatology, Arthroscopy, 2008, 16, 333-339.	2.3	7
108	Effects of culture on PAMPS/PDMAAm double-network gel on chondrogenic differentiation of mouse C3H10T1/2 cells: in vitro experimental study. BMC Musculoskeletal Disorders, 2014, 15, 320.	0.8	7

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109	Double-Bundle Anterior Cruciate Ligament Reconstruction Using Hamstring Tendon Hybrid Grafts in Patients Over 40 Years of Age: Comparisons Between Different Age Groups. Orthopaedic Journal of Sports Medicine, 2018, 6, 232596711877368.	0.8	7
110	Reduction of Initial Tension in the In Situ Frozen Anterior Cruciate Ligament. Clinical Orthopaedics and Related Research, 2004, 419, 207-213.	0.7	6
111	Comparison of Graft Length Changes During Knee Motion Among 5 Different Anatomic Single-Bundle Anterior Cruciate Ligament Reconstruction Approaches: A Biomechanical Study. Orthopaedic Journal of Sports Medicine, 2019, 7, 232596711983493.	0.8	6
112	Isotope Microscopic Observation of Osteogenesis Process Forming Robust Bonding of Double Network Hydrogel to Bone. Advanced Healthcare Materials, 2021, 10, e2001731.	3.9	6
113	Significant increase in Young×³s modulus of ATDC5 cells during chondrogenic differentiation induced by PAMPS/PDMAAm double-network gel: Comparison with induction by insulin. Journal of Biomechanics, 2014, 47, 3408-3414.	0.9	5
114	Implantation of autogenous meniscal fragments wrapped with a fascia sheath induces fibrocartilage regeneration in a large meniscal defect in sheep: A histological and biomechanical study. Orthopaedics and Traumatology: Surgery and Research, 2022, 108, 103225.	0.9	5
115	Gene expression profile of rabbit cartilage by expressed sequence tag analysis. Gene, 2008, 424, 147-152.	1.0	4
116	A soluble factor (EMMPRIN) in exudate influences knee motion after total arthroplasty. Knee Surgery, Sports Traumatology, Arthroscopy, 2009, 17, 298-304.	2.3	3
117	Is the Grafted Tendon Shifted Anteriorly in the Femoral Tunnel at the Postremodeling Phase After Anterior Cruciate Ligament Reconstruction? A Clinical MRI Study. Orthopaedic Journal of Sports Medicine, 2017, 5, 232596711771112.	0.8	3
118	Autologous living chondrocytes contained in the meniscal matrix play an important role in in vivo meniscus regeneration induced by in situ meniscus fragment implantation. Orthopaedics and Traumatology: Surgery and Research, 2019, 105, 683-690.	0.9	3
119	Extrusion of the medial meniscus is a potential predisposing factor for post-arthroscopy osteonecrosis of the knee. BMC Musculoskeletal Disorders, 2021, 22, 852.	0.8	3
120	Hydroxyapatiteâ€hybridized doubleâ€network hydrogel surface enhances differentiation of bone marrowâ€derived mesenchymal stem cells to osteogenic cells. Journal of Biomedical Materials Research - Part A, 2022, 110, 747-760.	2.1	3
121	Evaluation of biological responses to micro-particles derived from a double network hydrogel. Biomaterials Science, 2022, 10, 2182-2187.	2.6	3
122	Total Knee Arthroplasty With Cruciate-Retention-Type Alumina Ceramic Condylar Prosthesis. Techniques in Knee Surgery, 2007, 6, 213-219.	0.1	2
123	Talar head fracture in a professional baseball player: A case report. Journal of Orthopaedic Science, 2019, 24, 1137-1143.	0.5	2
124	Synthetic poly(2â€acrylamidoâ€2â€methylpropanesulfonic acid) gel induces chondrogenic differentiation of <scp>ATDC5</scp> cells via a novel protein reservoir function. Journal of Biomedical Materials Research - Part A, 2021, 109, 354-364.	2.1	2
125	Fast in vivo fixation of double network hydrogel to bone by monetite surface hybridization. Journal of the Ceramic Society of Japan, 2021, 129, 584-589.	0.5	2
126	Stress deprivation enhances manganese superoxide dismutase expression in the rat patellar tendon. International Journal of Molecular Medicine, 2004, 14, 537-43.	1.8	2

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127	Stress deprivation enhances manganese superoxide dismutase expression in the rat patellar tendon.. International Journal of Molecular Medicine, 2004, 14, 537.	1.8	1
128	Two-staged arthroscopy-assisted treatment of a large depression fracture in the lateral femoral condyle associated with an acute anterior cruciate ligament tear. European Orthopaedics and Traumatology, 2015, 6, 55-60.	0.1	1
129	Anatomical Double-Bundle Anterior Cruciate Ligament Reconstruction Procedure Using the Semitendinosus Tendon. , 2018, , 147-150.e1.		1
130	Residual remnant preserving anatomic double-bundle anterior cruciate ligament reconstruction using hamstring tendon autografts. Annals of Joint, 2019, 4, 37-37.	1.0	1
131	Anatomic Double-Bundle Reconstruction Procedure. , 2016, , 303-317.		1
132	Paper # 186: Comparisons of Three Leg Positions for the Anatomic Double Bundle ACL Reconstruction Using the Transtibial Technique. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2011, 27, e193-e194.	1.3	0
133	Paper 5: Prospective Clinical Comparisons of Anatomic Double Bundle Versus Single Bundle Anterior Cruciate Ligament Reconstruction Procedures in 328 Consecutive Patients. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2012, 28, e335-e337.	1.3	0
134	Remnant Tissueâ€“Preserving Technique for Anatomical Double-Bundle Anterior Cruciate Ligament Reconstruction. Operative Techniques in Orthopaedics, 2017, 27, 52-57.	0.2	0
135	Growth Factors and Other New Methods for Graft-Healing Enhancement. , 2018, , 569-572.e2.		0
136	Biomechanical Properties of Healing Tissues in the Patellar Tendon : In the Case of the Removal of Central Third with Bone Blocks. The Proceedings of the JSME Conference on Frontiers in Bioengineering, 2003, 2003.14, 101-102.	0.0	0
137	542 Effect of stress deprivation on the mechanical properties of the patellar tendon after removal of central third. Proceedings of the JSME Bioengineering Conference and Seminar, 2005, 2004.17, 425-426.	0.0	0
138	Growth Factors and Other New Methods for Graft-Healing Enhancement. , 2008, , 625-631.		0
139	Anatomical Double-Bundle Anterior Cruciate Ligament Reconstruction Procedure Using the Semitendinosus and Gracilis Tendons. , 2008, , 147-154.		0
140	Spontaneous In Vivo Regeneration of the Articular Cartilage Using a Novel Double-Network Hydrogel. , 2010, , 116-125.		0
141	7F42 Measurement of mechanical properties of ATDC5 cells during chondrogenic differentiation. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2012, 2012.24, _7F42-1_-_7F42-2_.	0.0	0
142	2S05 Mechanism of chondrogenic differentiation of ATDC5 cells cultured on double-network gel. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2013, 2013.25, 221-222.	0.0	0
143	2F13 Effects of double-network gel component PAMPS on chondrogenic differentiation in ATDC5 cells. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2014, 2014.26, 481-482.	0.0	0
144	An experimental study on the non-invasive measurement of stiffness for human crural anterior compartment.. The Japanese Journal of Rehabilitation Medicine, 1985, 22, 224-226.	0.1	0

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