

Kazunori Yasuda

List of Publications by Year in descending order

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149
papers

7,531
citations

46984

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h-index

53190

85
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151
all docs

151
docs citations

151
times ranked

4741
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydroxyapatite- ϵ -chondroitin hybridized double-network hydrogel surface enhances differentiation of bone marrow-derived mesenchymal stem cells to osteogenic cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2022, 110, 747-760.	2.1	3
2	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. <i>Orthopaedics and Traumatology: Surgery and Research</i> , 2022, 108, 103225.	0.9	5
3	Evaluation of biological responses to micro-particles derived from a double network hydrogel. <i>Biomaterials Science</i> , 2022, 10, 2182-2187.	2.6	3
4	Synthetic poly(2-acrylamido-2-methylpropanesulfonic acid) gel induces chondrogenic differentiation of ATDC5 cells via a novel protein reservoir function. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 354-364.	2.1	2
5	Isotope Microscopic Observation of Osteogenesis Process Forming Robust Bonding of Double Network Hydrogel to Bone. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001731.	3.9	6
6	Rapid reprogramming of tumour cells into cancer stem cells on double-network hydrogels. <i>Nature Biomedical Engineering</i> , 2021, 5, 914-925.	11.6	48
7	Fast <i>in vivo</i> fixation of double network hydrogel to bone by monetite surface hybridization. <i>Journal of the Ceramic Society of Japan</i> , 2021, 129, 584-589.	0.5	2
8	Extrusion of the medial meniscus is a potential predisposing factor for post-arthroscopy osteonecrosis of the knee. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 852.	0.8	3
9	Inclination of Blumensaat's line influences on the accuracy of the quadrant method in evaluation for anterior cruciate ligament reconstruction. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020, 28, 1885-1893.	2.3	8
10	Integrin β 4 mediates ATDC5 cell adhesion to negatively charged synthetic polymer hydrogel leading to chondrogenic differentiation. <i>Biochemical and Biophysical Research Communications</i> , 2020, 528, 120-126.	1.0	8
11	Autologous living chondrocytes contained in the meniscal matrix play an important role in <i>in vivo</i> meniscus regeneration induced by <i>in situ</i> meniscus fragment implantation. <i>Orthopaedics and Traumatology: Surgery and Research</i> , 2019, 105, 683-690.	0.9	3
12	Comparison of Graft Length Changes During Knee Motion Among 5 Different Anatomic Single-Bundle Anterior Cruciate Ligament Reconstruction Approaches: A Biomechanical Study. <i>Orthopaedic Journal of Sports Medicine</i> , 2019, 7, 232596711983493.	0.8	6
13	Residual remnant preserving anatomic double-bundle anterior cruciate ligament reconstruction using hamstring tendon autografts. <i>Annals of Joint</i> , 2019, 4, 37-37.	1.0	1
14	Impact of Surgical Timing on Clinical Outcomes in Anatomic Double-Bundle Anterior Cruciate Ligament Reconstruction Using Hamstring Tendon Autografts. <i>Orthopaedic Journal of Sports Medicine</i> , 2019, 7, 232596711988055.	0.8	8
15	Talar head fracture in a professional baseball player: A case report. <i>Journal of Orthopaedic Science</i> , 2019, 24, 1137-1143.	0.5	2
16	Effects of Remnant Tissue Preservation on Tunnel Enlargement After Anatomic Double-Bundle Anterior Cruciate Ligament Reconstruction Using the Hamstring Tendon. <i>Orthopaedic Journal of Sports Medicine</i> , 2018, 6, 232596711881129.	0.8	16
17	Micro patterning of hydroxyapatite by soft lithography on hydrogels for selective osteoconduction. <i>Acta Biomaterialia</i> , 2018, 81, 60-69.	4.1	22
18	Double-Bundle Anterior Cruciate Ligament Reconstruction Using Hamstring Tendon Hybrid Grafts in Patients Over 40 Years of Age: Comparisons Between Different Age Groups. <i>Orthopaedic Journal of Sports Medicine</i> , 2018, 6, 232596711877368.	0.8	7

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19	Anatomical Double-Bundle Anterior Cruciate Ligament Reconstruction Procedure Using the Semitendinosus Tendon. , 2018, , 147-150.e1.		1
20	Growth Factors and Other New Methods for Graft-Healing Enhancement. , 2018, , 569-572.e2.		0
21	Remnant Tissueâ€Preserving Technique for Anatomical Double-Bundle Anterior Cruciate Ligament Reconstruction. Operative Techniques in Orthopaedics, 2017, 27, 52-57.	0.2	0
22	Anisotropic tough double network hydrogel from fish collagen and its spontaneous inÂvivo bonding to bone. Biomaterials, 2017, 132, 85-95.	5.7	122
23	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
24	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
25	Effects of osteochondral defect size on cartilage regeneration using a double-network hydrogel. BMC Musculoskeletal Disorders, 2017, 18, 210.	0.8	17
26	Transtibial Technique. , 2017, , 217-231.		0
27	Doubleâ€Network Hydrogels Strongly Bondable to Bones by Spontaneous Osteogenesis Penetration. Advanced Materials, 2016, 28, 6740-6745.	11.1	225
28	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
29	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
30	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
31	Synthetic <sc>PAMPS</sc> gel activates <sc>BMP</sc>/Smad signaling pathway in <sc>ATDC</sc>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
32	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
33	<i>In vivo</i> 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
34	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
35	Anatomic Double-Bundle Reconstruction Procedure. , 2016, , 303-317.		1
36	Biomechanics of Single- and Double-Bundle ACL Reconstruction. , 2016, , 99-111.		0

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37	Future Challenges of Anterior Cruciate Ligament Reconstruction Biological Modulation Using a Growth Factor Application for Enhancement of Graft Healing. , 2016, , 523-536.		0
38	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
39	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
40	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
41	Double-Tunnel Anatomic Anterior Cruciate Ligament Reconstruction. , 2015, , 1047-1058.		0
42	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
43	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
44	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
45	Polyelectrolyte hydrogels for replacement and regeneration of biological tissues. Macromolecular Research, 2014, 22, 227-235.	1.0	36
46	Proteoglycans and Glycosaminoglycans Improve Toughness of Biocompatible Double Network Hydrogels. Advanced Materials, 2014, 26, 436-442.	11.1	155
47	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
48	Significant increase in Young's 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
49	Biomechanical Analysis of Knee Laxity With Isolated Anteromedial or Posterolateral Bundle-Deficient Anterior Cruciate Ligament. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2014, 30, 335-343.	1.3	38
50	2F13 Effects of double-network gel component PAMPS on chondrogenic differentiation in ATDC5 cells. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSM, 2014, 2014.26, 481-482.	0.0	0
51	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
52	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
53	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
54	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

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55	Prospective clinical comparisons of semitendinosus versus semitendinosus and gracilis tendon autografts for anatomic double-bundle anterior cruciate ligament reconstruction. <i>Journal of Orthopaedic Science</i> , 2013, 18, 754-761.	0.5	29
56	Chondrogenesis on sulfonate-coated hydrogels is regulated by their mechanical properties. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2013, 17, 337-346.	1.5	41
57	Flurbiprofen concentration in soft tissues is higher after topical application than after oral administration. <i>British Journal of Clinical Pharmacology</i> , 2013, 75, 799-804.	1.1	15
58	Tunnel Enlargement and Coalition After Anatomic Double-Bundle Anterior Cruciate Ligament Reconstruction With Hamstring Tendon Autografts. <i>Orthopaedic Journal of Sports Medicine</i> , 2013, 1, 232596711348644.	0.8	22
59	2S05 Mechanism of chondrogenic differentiation of ATDC5 cells cultured on double-network gel. <i>The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME</i> , 2013, 2013.25, 221-222.	0.0	0
60	Paper 5: Prospective Clinical Comparisons of Anatomic Double Bundle Versus Single Bundle Anterior Cruciate Ligament Reconstruction Procedures in 328 Consecutive Patients. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2012, 28, e335-e337.	1.3	0
61	A Pilot Study of Anatomic Double-Bundle Anterior Cruciate Ligament Reconstruction With Ligament Remnant Tissue Preservation. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2012, 28, 343-353.	1.3	59
62	Poly(2-acrylamido-2-methylpropanesulfonic acid) gel induces articular cartilage regeneration <i>in vivo</i> : Comparisons of the induction ability between single- and double-network gels. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 2244-2251.	2.1	13
63	Clinical comparison of two suspensory fixation devices for anatomic double-bundle anterior cruciate ligament reconstruction. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2012, 20, 1261-1267.	2.3	24
64	7F42 Measurement of mechanical properties of ATDC5 cells during chondrogenic differentiation. <i>The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME</i> , 2012, 2012.24, _7F42-1_-_7F42-2_.	0.0	0
65	Biomechanical Comparisons Between 4-Strand and Modified Larson 2-Strand Procedures for Reconstruction of the Posterolateral Corner of the Knee. <i>American Journal of Sports Medicine</i> , 2011, 39, 1462-1469.	1.9	37
66	Anatomic Single- and Double-Bundle Anterior Cruciate Ligament Reconstruction, Part 1. <i>American Journal of Sports Medicine</i> , 2011, 39, 1789-1800.	1.9	154
67	Robust bonding and one-step facile synthesis of tough hydrogels with desirable shape by virtue of the double network structure. <i>Polymer Chemistry</i> , 2011, 2, 575-580.	1.9	108
68	Induction of Spontaneous Hyaline Cartilage Regeneration Using a Double-Network Gel. <i>American Journal of Sports Medicine</i> , 2011, 39, 1160-1169.	1.9	31
69	Paper # 186: Comparisons of Three Leg Positions for the Anatomic Double Bundle ACL Reconstruction Using the Transtibial Technique. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2011, 27, e193-e194.	1.3	0
70	Spontaneous hyaline cartilage regeneration can be induced in an osteochondral defect created in the femoral condyle using a novel double-network hydrogel. <i>BMC Musculoskeletal Disorders</i> , 2011, 12, 49.	0.8	26
71	In vivo effects of isolated implantation of salmon-derived crosslinked atelocollagen sponge into an osteochondral defect. <i>Journal of Materials Science: Materials in Medicine</i> , 2011, 22, 397-404.	1.7	26
72	Joint immobilization inhibits spontaneous hyaline cartilage regeneration induced by a novel double-network gel implantation. <i>Journal of Materials Science: Materials in Medicine</i> , 2011, 22, 417-425.	1.7	14

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73	Comparisons of femoral tunnel enlargement in 169 patients between single-bundle and anatomic double-bundle anterior cruciate ligament reconstructions with hamstring tendon grafts. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2011, 19, 1249-1257.	2.3	71
74	Gene expression profile of the cartilage tissue spontaneously regenerated in vivo by using a novel double-network gel: Comparisons with the normal articular cartilage. <i>BMC Musculoskeletal Disorders</i> , 2011, 12, 213.	0.8	20
75	Local Administration of Autologous Synovium-Derived Cells Improve the Structural Properties of Anterior Cruciate Ligament Autograft Reconstruction in Sheep. <i>American Journal of Sports Medicine</i> , 2011, 39, 999-1007.	1.9	25
76	Gender-Based Differences in Outcome After Anatomic Double-Bundle Anterior Cruciate Ligament Reconstruction With Hamstring Tendon Autografts. <i>American Journal of Sports Medicine</i> , 2011, 39, 1849-1857.	1.9	24
77	Biomechanical Comparison of Anatomic Double-Bundle, Anatomic Single-Bundle, and Nonanatomic Single-Bundle Anterior Cruciate Ligament Reconstructions. <i>American Journal of Sports Medicine</i> , 2011, 39, 279-288.	1.9	182
78	Artificial cartilage made from a novel double-network hydrogel: <i>in vivo</i> effects on the normal cartilage and <i>ex vivo</i> evaluation of the friction property. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 93A, 1160-1168.	2.1	44
79	Tunnel location in transparent 3-dimensional CT in anatomic double-bundle anterior cruciate ligament reconstruction with the trans-tibial tunnel technique. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2010, 18, 1176-1183.	2.3	47
80	Gene expression, glyocalyx assay, and surface properties of human endothelial cells cultured on hydrogel matrix with sulfonic moiety: Effect of elasticity of hydrogel. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 95A, 531-542.	2.1	19
81	Study on the Sliding Friction of Endothelial Cells Cultured on Hydrogel and the Role of Glyocalyx on Friction Reduction. <i>Advanced Engineering Materials</i> , 2010, 12, B628.	1.6	11
82	In vitro differentiation of chondrogenic ATDC5 cells is enhanced by culturing on synthetic hydrogels with various charge densities. <i>Acta Biomaterialia</i> , 2010, 6, 494-501.	4.1	73
83	Implantation of Autogenous Meniscal Fragments Wrapped with a Fascia Sheath Enhances Fibrocartilage Regeneration in Vivo in a Large Harvest Site Defect. <i>American Journal of Sports Medicine</i> , 2010, 38, 740-748.	1.9	24
84	Biomechanical Comparisons of Knee Stability After Anterior Cruciate Ligament Reconstruction Between 2 Clinically Available Transtibial Procedures. <i>American Journal of Sports Medicine</i> , 2010, 38, 1349-1358.	1.9	98
85	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. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2010, 26, 1226-1232.	1.3	14
86	Anatomic Double-Bundle Anterior Cruciate Ligament Reconstruction. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2010, 26, S21-S34.	1.3	93
87	Spontaneous In Vivo Regeneration of the Articular Cartilage Using a Novel Double-Network Hydrogel. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2010, 26, 116-125.		0
88	Tuning of cell proliferation on tough gels by critical charge effect. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 88A, 74-83.	2.1	49
89	A Novel Double-Network Hydrogel Induces Spontaneous Articular Cartilage Regeneration <i>in vivo</i> in a Large Osteochondral Defect. <i>Macromolecular Bioscience</i> , 2009, 9, 307-316.	2.1	157
90	A soluble factor (EMMPRIN) in exudate influences knee motion after total arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2009, 17, 298-304.	2.3	3

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91	One-stage anatomic double-bundle anterior and posterior cruciate ligament reconstruction using the autogenous hamstring tendons. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2009, 17, 800-805.	2.3	19
92	Randomized clinical comparisons of diclofenac concentration in the soft tissues and blood plasma between topical and oral applications. <i>British Journal of Clinical Pharmacology</i> , 2009, 67, 125-129.	1.1	57
93	Stress deprivation from the patellar tendon induces apoptosis of fibroblasts in vivo with activation of mitogen-activated protein kinases. <i>Journal of Biomechanics</i> , 2009, 42, 2611-2615.	0.9	11
94	In Vivo Biological Responses and Bioresorption of Tilapia Scale Collagen as a Potential Biomaterial. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2009, 20, 1353-1368.	1.9	73
95	Biological responses of novel high-toughness double network hydrogels in muscle and the subcutaneous tissues. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 1379-1387.	1.7	71
96	Ex vivo supplementation of TGF-beta1 enhances the fibrous tissue regeneration effect of synovium-derived fibroblast transplantation in a tendon defect: a biomechanical study. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2008, 16, 333-339.	2.3	7
97	Clinical results of posterior cruciate ligament retaining TKA with alumina ceramic condylar prosthesis: comparison to Co-Cr alloy prosthesis. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2008, 16, 152-156.	2.3	35
98	Local administration of interleukin-1 receptor antagonist inhibits deterioration of mechanical properties of the stress-shielded patellar tendon. <i>Journal of Biomechanics</i> , 2008, 41, 884-889.	0.9	10
99	Gene expression profile of rabbit cartilage by expressed sequence tag analysis. <i>Gene</i> , 2008, 424, 147-152.	1.0	4
100	An In Vivo Biomechanical Study on the Tension Versus Knee Flexion Angle Curves of 2 Grafts in Anatomic Double-Bundle Anterior Cruciate Ligament Reconstruction: Effects of Initial Tension and Internal Tibial Rotation. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2008, 24, 276-284.	1.3	90
101	Prospective Clinical Comparisons of Anatomic Double-Bundle versus Single-Bundle Anterior Cruciate Ligament Reconstruction Procedures in 328 Consecutive Patients. <i>American Journal of Sports Medicine</i> , 2008, 36, 1675-1687.	1.9	279
102	Growth Factors and Other New Methods for Graft-Healing Enhancement. , 2008, , 625-631.		0
103	Anatomical Double-Bundle Anterior Cruciate Ligament Reconstruction Procedure Using the Semitendinosus and Gracilis Tendons. , 2008, , 147-154.		0
104	Total Knee Arthroplasty With Cruciate-Retention-Type Alumina Ceramic Condylar Prosthesis. Techniques in <i>Knee Surgery</i> , 2007, 6, 213-219.	0.1	2
105	Bleeding from the bone marrow enhances remodeling of the in situ frozen-thawed anterior cruciate ligament. <i>Clinical Biomechanics</i> , 2007, 22, 941-949.	0.5	11
106	Radiologic Evaluation of Femoral and Tibial Tunnels Created With the Transtibial Tunnel Technique for Anatomic Double-Bundle Anterior Cruciate Ligament Reconstruction. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2007, 23, 869-876.	1.3	51
107	Second-Look Arthroscopic Evaluations of Anatomic Double-Bundle Anterior Cruciate Ligament Reconstruction: Relation With Postoperative Knee Stability. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2007, 23, 1198-1209.	1.3	100
108	Biodegradation of high-toughness double network hydrogels as potential materials for artificial cartilage. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 81A, 373-380.	2.1	138

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109	Clinical Evaluation of Anatomic Double-Bundle Anterior Cruciate Ligament Reconstruction Procedure Using Hamstring Tendon Grafts: Comparisons Among 3 Different Procedures. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2006, 22, 240-251.	1.3	474
110	Effects of administration of transforming growth factor (TGF)-beta1 and anti-TGF-beta1 antibody on the mechanical properties of the stress-shielded patellar tendon. <i>Journal of Biomechanics</i> , 2006, 39, 2566-2572.	0.9	20
111	The effect of intraosseous graft length on tendon-bone healing in anterior cruciate ligament reconstruction using flexor tendon. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2006, 14, 1086-1093.	2.3	92
112	Effects of Local Administration of Vascular Endothelial Growth Factor on Mechanical Characteristics of the Semitendinosus Tendon Graft after Anterior Cruciate Ligament Reconstruction in Sheep. <i>American Journal of Sports Medicine</i> , 2006, 34, 1918-1925.	1.9	157
113	Effects of Local Administration of Vascular Endothelial Growth Factor on Properties of the in Situ Frozen-Thawed Anterior Cruciate Ligament in Rabbits. <i>American Journal of Sports Medicine</i> , 2006, 34, 84-91.	1.9	58
114	Biomechanical properties of high-toughness double network hydrogels. <i>Biomaterials</i> , 2005, 26, 4468-4475.	5.7	288
115	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. <i>Journal of Biomechanics</i> , 2005, 38, 791-798.	0.9	60
116	Effects of Administration of Exogenous Growth Factors on Biomechanical Properties of the Elongation-type Anterior Cruciate Ligament Injury with Partial Laceration. <i>American Journal of Sports Medicine</i> , 2005, 33, 188-196.	1.9	47
117	The Effect of Transforming Growth Factor- β 1 on Intraosseous Healing of Flexor Tendon Autograft Replacement of Anterior Cruciate Ligament in Dogs. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2005, 21, 1034-1041.	1.3	131
118	Primary Stability of Three Posterior Cruciate Ligament Reconstruction Procedures: A Biomechanical In Vitro Study. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2005, 21, 970-978.	1.3	20
119	Surgical and biomechanical concepts of anatomic anterior cruciate ligament reconstruction. <i>Operative Techniques in Orthopaedics</i> , 2005, 15, 96-102.	0.2	28
120	Effects of separate application of three growth factors (TGF-beta1, EGF, and PDGF-BB) on mechanical properties of the in situ frozen-thawed anterior cruciate ligament. <i>Clinical Biomechanics</i> , 2005, 20, 283-290.	0.5	27
121	The effect of transforming growth factor-beta on mechanical properties of the fibrous tissue regenerated in the patellar tendon after resecting the central portion. <i>Clinical Biomechanics</i> , 2005, 20, 959-965.	0.5	54
122	542 Effect of stress deprivation on the mechanical properties of the patellar tendon after removal of central third. <i>Proceedings of the JSME Bioengineering Conference and Seminar</i> , 2005, 2004.17, 425-426.	0.0	0
123	The Effect of Growth Factors on Biomechanical Properties of the Bone-Patellar Tendon-Bone Graft after Anterior Cruciate Ligament Reconstruction. <i>American Journal of Sports Medicine</i> , 2004, 32, 870-880.	1.9	86
124	Stress deprivation enhances manganese superoxide dismutase expression in the rat patellar tendon.. <i>International Journal of Molecular Medicine</i> , 2004, 14, 537.	1.8	1
125	The effect of cell-based therapy with autologous synovial fibroblasts activated by exogenous TGF- β 1 on the in situ frozen-thawed anterior cruciate ligament. <i>Journal of Orthopaedic Science</i> , 2004, 9, 488-494.	0.5	21
126	Anatomic reconstruction of the anteromedial and posterolateral bundles of the anterior cruciate ligament using hamstring tendon grafts. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2004, 20, 1015-1025.	1.3	512

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127	Reduction of Initial Tension in the In Situ Frozen Anterior Cruciate Ligament. <i>Clinical Orthopaedics and Related Research</i> , 2004, 419, 207-213.	0.7	6
128	Stress deprivation enhances manganese superoxide dismutase expression in the rat patellar tendon. <i>International Journal of Molecular Medicine</i> , 2004, 14, 537-43.	1.8	2
129	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. <i>Journal of Biomechanics</i> , 2003, 36, 373-381.	0.9	37
130	Biomechanical evaluation of a newly devised model for the elongation-type anterior cruciate ligament injury with partial laceration and permanent elongation. <i>Clinical Biomechanics</i> , 2003, 18, 942-949.	0.5	12
131	Biomechanical Properties of Healing Tissues in the Patellar Tendon : In the Case of the Removal of Central Third with Bone Blocks. <i>The Proceedings of the JSME Conference on Frontiers in Bioengineering</i> , 2003, 2003.14, 101-102.	0.0	0
132	The Effect of Initial Graft Tension in Anterior Cruciate Ligament Reconstruction on the Mechanical Behaviors of the Femur-Graft-Tibia Complex during Cyclic Loading. <i>American Journal of Sports Medicine</i> , 2002, 30, 800-805.	1.9	67
133	The Effect of Graft-Tunnel Diameter Disparity on Intraosseous Healing of the Flexor Tendon Graft in Anterior Cruciate Ligament Reconstruction. <i>American Journal of Sports Medicine</i> , 2002, 30, 498-505.	1.9	50
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