

Taku Hatta

List of Publications by Year in Descending Order

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Version: 2024-04-29

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

102
papers

5,160
citations

34
h-index

71
g-index

103
ext. papers

6,082
ext. citations

3.4
avg, IF

5.39
L-index

#	Paper	IF	Citations
102	Biomechanics of Failed Rotator Cuff Repair: How to Optimize Anchor and Suture Placement 2021 , 65-71		
101	Stiffness of the infraspinatus and the teres minor muscles during shoulder external rotation: An in-vitro and in-vivo shear wave elastography study. <i>Clinical Biomechanics</i> , 2021 , 85, 105328	2.2	1
100	Three-dimensional quantitative measurements of atrophy and fat infiltration in sub-regions of the supraspinatus muscle show heterogeneous distributions: a cadaveric study. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2021 , 1	3.6	1
99	Does glenoid remodeling occur with an erosion-type bone loss after arthroscopic Bankart repair?. <i>JSES International</i> , 2020 , 4, 814-817	1.2	1
98	Anchor placement to glenoid rim during Bankart repair recreates contact area of anterior capsulolabral complex on glenoid better than onto articular surface. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2020 , 30, 1257-1262	2.2	
97	Contrast-enhanced Magnetic Resonance Imaging Revealing the Joint Capsule Pathology of a Refractory Frozen Shoulder. <i>The Open Orthopaedics Journal</i> , 2020 , 14, 39-45	0.3	1
96	Effects of joint capsular release on range of motion in patients with frozen shoulder. <i>Journal of Shoulder and Elbow Surgery</i> , 2020 , 29, 1836-1842	4.3	7
95	Downsizing effect of a modular radial head prosthesis on the lateral collateral ligament of the elbow: A cadaveric study. <i>Clinical Biomechanics</i> , 2020 , 80, 105140	2.2	
94	Migration of inferior vena cava filter during the surgery of tibial shaft fracture: A case report. <i>Journal of Orthopaedic Science</i> , 2020 , 25, 911-914	1.6	
93	Restriction in the hip internal rotation of the stride leg is associated with elbow and shoulder pain in elite young baseball players. <i>Journal of Shoulder and Elbow Surgery</i> , 2020 , 29, 139-145	4.3	16
92	Shoulder arthroplasty in patients with immunosuppression following solid organ transplantation. <i>Journal of Shoulder and Elbow Surgery</i> , 2020 , 29, 44-49	4.3	4
91	RAGE-dependent NF-kB inflammation processes in the capsule of frozen shoulders. <i>Journal of Shoulder and Elbow Surgery</i> , 2020 , 29, 1884-1891	4.3	9
90	Arthroscopic Excision of Intra-Articular Osteoid Osteoma at the Elbow. <i>Case Reports in Orthopedics</i> , 2019 , 2019, 8505382	0.4	4
89	Enhancing percutaneous pedicle screw fixation with hydroxyapatite granules: A biomechanical study using an osteoporotic bone model. <i>PLoS ONE</i> , 2019 , 14, e0223106	3.7	6
88	The effect of subscapularis muscle contraction on coaptation of anteroinferior glenohumeral ligament-labrum complex after Bankart repair. <i>Journal of Biomechanics</i> , 2019 , 85, 134-140	2.9	1
87	Shoulder crane: a concept of suspension, stability, control and motion. <i>Journal of ISAKOS</i> , 2019 , 4, 63-70	1.1	7
86	In Vivo Glenoid Track Width Can Be Better Predicted With the Use of Shoulder Horizontal Extension Angle. <i>American Journal of Sports Medicine</i> , 2019 , 47, 922-927	6.8	7

85	Efficacy of collagenase Clostridium histolyticum injection for Dupuytren's contracture in East-Asian population. <i>Journal of Orthopaedic Science</i> , 2019 , 24, 431-433	1.6	0
84	Treatment and Rehabilitation of Rotator Cuff Tears. <i>The Japanese Journal of Rehabilitation Medicine</i> , 2019 , 56, 650-655	0	
83	Ligament Reconstruction for Recurrent Anterior Dislocation of the Radial Head. <i>Case Reports in Orthopedics</i> , 2019 , 2019, 6067312	0.4	
82	Excessive game playing is associated with musculoskeletal pain among youth athletes: a cross-sectional study in Miyagi prefecture. <i>Journal of Sports Sciences</i> , 2018 , 36, 1801-1807	3.6	5
81	The relationship between the glenoid track and the range of shoulder motion: A cadaver study. <i>Orthopaedics and Traumatology: Surgery and Research</i> , 2018 , 104, 793-796	2.9	6
80	Arthroscopic Coracohumeral Ligament Release for Patients With Frozen Shoulder. <i>Arthroscopy Techniques</i> , 2018 , 7, e1-e5	1.7	22
79	Late bedtimes, short sleeping time, and longtime video-game playing are associated with low back pain in school-aged athletes. <i>European Spine Journal</i> , 2018 , 27, 1112-1118	2.7	16
78	Minimum Distance of Suture Anchors Used for Rotator Cuff Repair Without Decreasing the Pullout Strength: A Biomechanical Study. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2018 , 34, 377-385	5.4	11
77	Playing video games for more than 3 hours a day is associated with shoulder and elbow pain in elite young male baseball players. <i>Journal of Shoulder and Elbow Surgery</i> , 2018 , 27, 1629-1635	4.3	5
76	Extensibility of the supraspinatus muscle can be predicted by combining shear wave elastography and magnetic resonance imaging-measured quantitative metrics of stiffness and volumetric fat infiltration: A cadaveric study. <i>Clinical Biomechanics</i> , 2018 , 57, 144-149	2.2	16
75	Rotator cuff repair with a novel mesh suture: An ex vivo assessment of mechanical properties. <i>Journal of Orthopaedic Research</i> , 2018 , 36, 987-992	3.8	7
74	Comparative proteome analysis of the capsule from patients with frozen shoulder. <i>Journal of Shoulder and Elbow Surgery</i> , 2018 , 27, 1770-1778	4.3	12
73	Critical shoulder angle in an East Asian population: correlation to the incidence of rotator cuff tear and glenohumeral osteoarthritis. <i>Journal of Shoulder and Elbow Surgery</i> , 2018 , 27, 1602-1606	4.3	38
72	Novel engineered tendon-fibrocartilage-bone composite with cyclic tension for rotator cuff repair. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, 1690-1701	4.4	20
71	Differences in humeral retroversion in dominant and nondominant sides of young baseball players. <i>Journal of Shoulder and Elbow Surgery</i> , 2017 , 26, 1083-1087	4.3	14
70	Glenoid bone grafting in primary reverse total shoulder arthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2017 , 26, 1441-1447	4.3	46
69	Transosseous-equivalent repair with and without medial row suture tying: a cadaveric study of infraspinatus tendon strain measurement. <i>JSES Open Access</i> , 2017 , 1, 104-108	3.2	7
68	Quantifying extensibility of rotator cuff muscle with tendon rupture using shear wave elastography: A cadaveric study. <i>Journal of Biomechanics</i> , 2017 , 61, 131-136	2.9	16

67	Effect of smoking on complications following primary shoulder arthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2017 , 26, 1-6	4.3	38
66	A biomechanical study on suture anchor insertion angle: Which is better, 90° or 45°. <i>Journal of Orthopaedic Science</i> , 2017 , 22, 56-62	1.6	8
65	On-track and Off-track shoulder lesions. <i>EFORT Open Reviews</i> , 2017 , 2, 343-351	5.5	41
64	Comparison of fixation properties between coil-type and screw-type anchors for rotator cuff repair: A virtual pullout testing using 3-dimensional finite element method. <i>Journal of Orthopaedic Science</i> , 2016 , 21, 452-457	1.6	7
63	Association between acromioclavicular joint pain and capsular bulging in adolescent baseball players. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2016 , 24, 3750-3755	5.5	2
62	Comparative study of treatment for distal radius fractures with two different palmar locking plates. <i>Journal of Hand Surgery: European Volume</i> , 2016 , 41, 536-42	1.4	10
61	Biomechanical Effect of Margin Convergence Techniques: Quantitative Assessment of Supraspinatus Muscle Stiffness. <i>PLoS ONE</i> , 2016 , 11, e0162110	3.7	12
60	Quantified Mechanical Properties of the Deltoid Muscle Using the Shear Wave Elastography: Potential Implications for Reverse Shoulder Arthroplasty. <i>PLoS ONE</i> , 2016 , 11, e0155102	3.7	16
59	Comparison of Passive Stiffness Changes in the Supraspinatus Muscle After Double-Row and Knotless Transosseous-Equivalent Rotator Cuff Repair Techniques: A Cadaveric Study. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2016 , 32, 1973-1981	5.4	15
58	Shoulder Stiffness: Current Concepts and Concerns. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2016 , 32, 1402-14	5.4	78
57	Arm Abduction Provides a Better Reduction of the Bankart Lesion During Immobilization in External Rotation After an Initial Shoulder Dislocation. <i>American Journal of Sports Medicine</i> , 2015 , 43, 1731-6	6.8	16
56	Quantitative assessment of rotator cuff muscle elasticity: Reliability and feasibility of shear wave elastography. <i>Journal of Biomechanics</i> , 2015 , 48, 3853-8	2.9	63
55	Noninvasive assessment of the activity of the shoulder girdle muscles using ultrasound real-time tissue elastography. <i>Journal of Electromyography and Kinesiology</i> , 2015 , 25, 723-30	2.5	23
54	Ultrasound elastography-based assessment of the elasticity of the supraspinatus muscle and tendon during muscle contraction. <i>Journal of Shoulder and Elbow Surgery</i> , 2015 , 24, 120-6	4.3	58
53	Feasibility assessment of shear wave elastography to rotator cuff muscle. <i>Clinical Anatomy</i> , 2015 , 28, 213-8	2.5	47
52	Evolving concept of bipolar bone loss and the Hill-Sachs lesion: from "engaging/non-engaging" lesion to "on-track/off-track" lesion. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2014 , 30, 90-8	5.4	363
51	Contribution of oxidative stress to the degeneration of rotator cuff entheses. <i>Journal of Shoulder and Elbow Surgery</i> , 2014 , 23, 628-35	4.3	34
50	Measurement of the Glenoid Track In Vivo as Investigated by 3-Dimensional Motion Analysis Using Open MRI. <i>American Journal of Sports Medicine</i> , 2014 , 42, 1290-5	6.8	77

49	In vivo measurement of rotator cuff tendon strain with ultrasound elastography: an investigation using a porcine model. <i>Journal of Ultrasound in Medicine</i> , 2014 , 33, 1641-6	2.9	17
48	Identification of prognostic factors for the nonoperative treatment of stiff shoulder. <i>International Orthopaedics</i> , 2013 , 37, 859-64	3.8	35
47	Prevalence of symptomatic and asymptomatic rotator cuff tears in the general population: From mass-screening in one village. <i>Journal of Orthopaedics</i> , 2013 , 10, 8-12	1.6	238
46	Stress distribution inside bone after suture anchor insertion: simulation using a three-dimensional finite element method. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2013 , 21, 1777-82	5.5	18
45	Nicotine reduced MMP-9 expression in the primary porcine tenocytes exposed to cyclic stretch. <i>Journal of Orthopaedic Research</i> , 2013 , 31, 645-50	3.8	15
44	Is protecting the healing ligament beneficial after immobilization in external rotation for an initial shoulder dislocation?. <i>American Journal of Sports Medicine</i> , 2013 , 41, 1126-32	6.8	17
43	Coexistence of fibrotic and chondrogenic process in the capsule of idiopathic frozen shoulders. <i>Osteoarthritis and Cartilage</i> , 2012 , 20, 241-9	6.2	47
42	Attachment of the anteroinferior glenohumeral ligament-labrum complex to the glenoid: an anatomic study. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2012 , 28, 1628-33	5.4	27
41	Function of the shoulder muscles during arm elevation: an assessment using positron emission tomography. <i>Journal of Anatomy</i> , 2010 , 216, 643-9	2.9	30
40	Stabilizing mechanism in bone-grafting of a large glenoid defect. <i>Journal of Bone and Joint Surgery - Series A</i> , 2010 , 92, 2059-66	5.6	166
39	Impingement mechanisms of the Neer and Hawkins signs. <i>Journal of Shoulder and Elbow Surgery</i> , 2009 , 18, 942-7	4.3	26
38	Complex shoulder disorders: evaluation and treatment. <i>Journal of the American Academy of Orthopaedic Surgeons</i> , 2009 , 17, 125-36	4.5	30
37	MOMENT ARMS OF THE ARM MUSCLES AT THE GLENOHUMERAL JOINT USING THE TENDON EXCURSION METHOD. <i>Journal of Musculoskeletal Research</i> , 2008 , 11, 45-53	0.1	4
36	Immobilization in external rotation after shoulder dislocation reduces the risk of recurrence. A randomized controlled trial. <i>Journal of Bone and Joint Surgery - Series A</i> , 2007 , 89, 2124-31	5.6	149
35	Glenohumeral joint motion after medial shift of the attachment site of the supraspinatus tendon: a cadaveric study. <i>Journal of Shoulder and Elbow Surgery</i> , 2007 , 16, 373-8	4.3	38
34	Contact between the glenoid and the humeral head in abduction, external rotation, and horizontal extension: a new concept of glenoid track. <i>Journal of Shoulder and Elbow Surgery</i> , 2007 , 16, 649-56	4.3	424
33	Are pain location and physical examinations useful in locating a tear site of the rotator cuff?. <i>American Journal of Sports Medicine</i> , 2006 , 34, 256-64	6.8	75
32	Why is the humeral retroversion of throwing athletes greater in dominant shoulders than in nondominant shoulders?. <i>Journal of Shoulder and Elbow Surgery</i> , 2006 , 15, 571-5	4.3	101

31	Effect of rotator interval closure on glenohumeral stability and motion: a cadaveric study. <i>Journal of Shoulder and Elbow Surgery</i> , 2006 , 15, 750-8	4.3	41
30	Contact area, contact pressure, and pressure patterns of the tendon-bone interface after rotator cuff repair. <i>American Journal of Sports Medicine</i> , 2005 , 33, 1869-74	6.8	154
29	Location of the glenoid defect in shoulders with recurrent anterior dislocation. <i>American Journal of Sports Medicine</i> , 2005 , 33, 889-93	6.8	184
28	Pathophysiology and treatment of atraumatic instability of the shoulder. <i>Journal of Orthopaedic Science</i> , 2004 , 9, 208-13	1.6	19
27	A new method of immobilization after traumatic anterior dislocation of the shoulder: a preliminary study. <i>Journal of Shoulder and Elbow Surgery</i> , 2003 , 12, 413-5	4.3	183
26	Long-term effects of withdrawal of bisphosphonate incadronate disodium (YM175) on bone mineral density, mass, structure, and turnover in the lumbar vertebrae of ovariectomized rats. <i>Journal of Bone and Mineral Research</i> , 2001 , 16, 541-9	6.3	15
25	Total knee arthroplasty in bilateral congenital dislocation of the patella--a case report. <i>Acta Orthopaedica</i> , 2001 , 72, 422-4		14
24	Position of immobilization after dislocation of the glenohumeral joint. A study with use of magnetic resonance imaging. <i>Journal of Bone and Joint Surgery - Series A</i> , 2001 , 83, 661-7	5.6	176
23	Effects of biceps loading and arm rotation on the superior labrum in the cadaveric shoulder. <i>Tohoku Journal of Experimental Medicine</i> , 2000 , 190, 261-9	2.4	14
22	Intra-articular membranous interposition detected by MRI in developmental dysplasia of the hip. <i>Skeletal Radiology</i> , 2000 , 29, 726-8	2.7	2
21	The depressor function of biceps on the head of the humerus in shoulders with tears of the rotator cuff. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2000 , 82-B, 416-419		28
20	The effect of a glenoid defect on anteroinferior stability of the shoulder after Bankart repair: a cadaveric study. <i>Journal of Bone and Joint Surgery - Series A</i> , 2000 , 82, 35-46	5.6	621
19	Position of Immobilization After Dislocation of the Shoulder. A Cadaveric Study*. <i>Journal of Bone and Joint Surgery - Series A</i> , 1999 , 81, 385-90	5.6	71
18	Position of immobilization after dislocation of the shoulder. A cadaveric study. <i>Journal of Bone and Joint Surgery - Series A</i> , 1999 , 81, 385-90	5.6	19
17	Skin temperature of the shoulder: circadian rhythms in normal and pathologic shoulders. <i>Journal of Shoulder and Elbow Surgery</i> , 1998 , 7, 625-8	4.3	20
16	Electromyographic activities of the biceps during arm elevation in shoulders with rotator cuff tears. <i>Acta Orthopaedica</i> , 1998 , 69, 575-9		26
15	Intramuscular malignant granular cell tumor. <i>Skeletal Radiology</i> , 1997 , 26, 116-21	2.7	66
14	Isokinetic strength after tears of the supraspinatus tendon. <i>Journal of Bone and Joint Surgery: British Volume</i> , 1997 , 79, 77-82		77

13	Malrotation of the humeral component of the capitellocondylar total elbow replacement is not the sole cause of dislocation. <i>Journal of Orthopaedic Research</i> , 1995 , 13, 470-1	3.8	
12	Tensile properties of the supraspinatus tendon. <i>Journal of Orthopaedic Research</i> , 1995 , 13, 578-84	3.8	194
11	Dynamic anterior stabilisers of the shoulder with the arm in abduction. <i>Journal of Bone and Joint Surgery: British Volume</i> , 1994 , 76-B, 834-836		83
10	Malrotation of the humeral component of the capitellocondylar total elbow replacement is not the sole cause of dislocation. <i>Journal of Orthopaedic Research</i> , 1994 , 12, 665-71	3.8	24
9	Stabilizing function of the long head of the biceps in the hanging arm position. <i>Journal of Shoulder and Elbow Surgery</i> , 1994 , 3, 135-42	4.3	45
8	Dynamic anterior stabilisers of the shoulder with the arm in abduction. <i>Journal of Bone and Joint Surgery: British Volume</i> , 1994 , 76, 834-6		17
7	Capsular properties of the shoulder. <i>Tohoku Journal of Experimental Medicine</i> , 1993 , 171, 203-10	2.4	30
6	Stabilising function of the biceps in stable and unstable shoulders. <i>Journal of Bone and Joint Surgery: British Volume</i> , 1993 , 75, 546-50		227
5	Rotator cuff tears in the adolescent. <i>Orthopedics</i> , 1993 , 16, 78-81	1.5	20
4	Range of motion and arthrography in the frozen shoulder. <i>Journal of Shoulder and Elbow Surgery</i> , 1992 , 1, 106-12	4.3	20
3	Rotator cuff tears in anterior dislocation of the shoulder. <i>International Orthopaedics</i> , 1992 , 16, 240-4	3.8	38
2	Incomplete rotator cuff tears. Results of operative treatment. <i>Clinical Orthopaedics and Related Research</i> , 1992 , 128-35	2.2	23
1	Conservative treatment of rotator cuff tears. <i>Clinical Orthopaedics and Related Research</i> , 1992 , 165-73	2.2	37