

Elifho Obopilwe

List of Publications by Year in descending order

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64
papers

1,760
citations

257450
24
h-index

302126
39
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66
all docs

66
docs citations

66
times ranked

1097
citing authors

#	ARTICLE	IF	CITATIONS
1	The Effect of a Combined Glenoid and Hill-Sachs Defect on Glenohumeral Stability. American Journal of Sports Medicine, 2015, 43, 1422-1429.	4.2	125
2	Rotational and Translational Stability of Different Methods for Direct Acromioclavicular Ligament Repair in Anatomic Acromioclavicular Joint Reconstruction. American Journal of Sports Medicine, 2014, 42, 2141-2148.	4.2	117
3	Biomechanical Comparison of Arthroscopic Repairs for Acromioclavicular Joint Instability. American Journal of Sports Medicine, 2011, 39, 2218-2225.	4.2	109
4	Slope-reducing tibial osteotomy decreases ACL-graft forces and anterior tibial translation under axial load. Knee Surgery, Sports Traumatology, Arthroscopy, 2019, 27, 3381-3389.	4.2	82
5	Sequential Resection of the Distal Clavicle and Its Effects on Horizontal Acromioclavicular Joint Translation. American Journal of Sports Medicine, 2012, 40, 681-685.	4.2	77
6	Biomechanical Evaluation of Arthroscopic Rotator Cuff Repairs Over Time. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2010, 26, 592-599.	2.7	74
7	Primary Stability of an Acromioclavicular Joint Repair Is Affected by the Type of Additional Reconstruction of the Acromioclavicular Capsule. American Journal of Sports Medicine, 2018, 46, 3471-3479.	4.2	61
8	Biomechanical Properties of Double- and Single-Row Suture Anchor Repair for Surgical Treatment of Insertional Achilles Tendinopathy. American Journal of Sports Medicine, 2013, 41, 1642-1648.	4.2	58
9	The Integrity of the Acromioclavicular Capsule Ensures Physiological Centering of the Acromioclavicular Joint Under Rotational Loading. American Journal of Sports Medicine, 2018, 46, 1432-1440.	4.2	57
10	Relationship Between Deltoid and Rotator Cuff Muscles During Dynamic Shoulder Abduction: A Biomechanical Study of Rotator Cuff Tear Progression. American Journal of Sports Medicine, 2018, 46, 1919-1926.	4.2	57
11	Biomechanical Effect of Superior Capsule Reconstruction Using a 3-mm and 6-mm Thick Acellular Dermal Allograft in a Dynamic Shoulder Model. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2020, 36, 355-364.	2.7	51
12	Repair of the entire superior acromioclavicular ligament complex best restores posterior translation and rotational stability. Knee Surgery, Sports Traumatology, Arthroscopy, 2019, 27, 3764-3770.	4.2	43
13	Headless Compression Screw Versus Kirschner Wire Fixation for Metacarpal Neck Fractures: A Biomechanical Study. Journal of Hand Surgery, 2017, 42, 392.e1-392.e6.	1.6	41
14	Dynamic Anterior Shoulder Stabilization With the Long Head of the Biceps Tendon: A Biomechanical Study. American Journal of Sports Medicine, 2019, 47, 1441-1450.	4.2	41
15	Comparison of Different Fixation Techniques of the Long Head of the Biceps Tendon in Superior Capsule Reconstruction for Irreparable Posterosuperior Rotator Cuff Tears: A Dynamic Biomechanical Evaluation. American Journal of Sports Medicine, 2021, 49, 305-313.	4.2	38
16	Biomechanical properties of repairs for dislocated AC joints using suture button systems with integrated tendon augmentation. Knee Surgery, Sports Traumatology, Arthroscopy, 2012, 20, 1931-1938.	4.2	37
17	Biomechanical Evaluation of Glenoid Reconstruction With an Implant-Free J-Bone Graft for Anterior Glenoid Bone Loss. American Journal of Sports Medicine, 2017, 45, 2849-2857.	4.2	35
18	Effect of Slope and Varus Correction High Tibial Osteotomy in the ACL-Deficient and ACL-Reconstructed Knee on Kinematics and ACL Graft Force: A Biomechanical Analysis. American Journal of Sports Medicine, 2021, 49, 410-416.	4.2	35

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19	Glenoid retroversion is an important factor for humeral head centration and the biomechanics of posterior shoulder stability. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019, 27, 3952-3961.	4.2	34
20	Biomechanical Comparison of Onlay Distal Biceps Tendon Repair: All-Suture Anchors Versus Titanium Suture Anchors. <i>American Journal of Sports Medicine</i> , 2019, 47, 2478-2483.	4.2	30
21	Posteromedial Ligament Repair of the Knee With Suture Tape Augmentation: A Biomechanical Study. <i>American Journal of Sports Medicine</i> , 2019, 47, 2952-2959.	4.2	29
22	Mechanically superior matrices promote osteointegration and regeneration of anterior cruciate ligament tissue in rabbits. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 28655-28666.	7.1	28
23	Derotational Osteotomy of the Distal Femur for the Treatment of Patellofemoral Instability Simultaneously Leads to the Correction of Frontal Alignment: A Laboratory Cadaveric Study. <i>Orthopaedic Journal of Sports Medicine</i> , 2018, 6, 232596711877566.	1.7	27
24	Double-Layer Rotator Cuff Repair: Anatomic Reconstruction of the Superior Capsule and Rotator Cuff Improves Biomechanical Properties in Repairs of Delaminated Rotator Cuff Tears. <i>American Journal of Sports Medicine</i> , 2018, 46, 3165-3173.	4.2	26
25	LUCL internal bracing restores posterolateral rotatory stability of the elbow. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020, 28, 1195-1201.	4.2	26
26	Risk of fracture of the acromion depends on size and orientation of acromial bone tunnels when performing acromioclavicular reconstruction. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2018, 26, 275-284.	4.2	23
27	A Biomechanical Analysis of Treatment Options for Enchondromas of the Hand. <i>Hand</i> , 2013, 8, 86-91.	1.2	21
28	A Biomechanical Analysis of Different Clavicular Tunnel Diameters in Anatomic Acromioclavicular Ligament Reconstruction. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2016, 32, 1551-1557.	2.7	21
29	Repair of the medial patellofemoral ligament with suture tape augmentation leads to similar primary contact pressures and joint kinematics like reconstruction with a tendon graft: a biomechanical comparison. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020, 28, 478-488.	4.2	21
30	The Effect of Lateral Opening Wedge Distal Femoral Varus Osteotomy on Tibiofemoral Contact Mechanics Through Knee Flexion. <i>American Journal of Sports Medicine</i> , 2018, 46, 3237-3244.	4.2	20
31	Graft Tensioning in Superior Capsular Reconstruction Improves Glenohumeral Joint Kinematics in Massive Irreparable Rotator Cuff Tears: A Biomechanical Study of the Influence of Superior Capsular Reconstruction on Dynamic Shoulder Abduction. <i>Orthopaedic Journal of Sports Medicine</i> , 2020, 8, 232596712095742.	1.7	20
32	Augmentation of Distal Biceps Repair With an Acellular Dermal Graft Restores Native Biomechanical Properties in a Tendon-Deficient Model. <i>American Journal of Sports Medicine</i> , 2017, 45, 2028-2033.	4.2	18
33	Reconstruction of the Acromioclavicular Ligament Complex Using Dermal Allograft: A Biomechanical Analysis. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2020, 36, 108-115.	2.7	18
34	Medial meniscal extrusion greater than 4 mm reduces medial tibiofemoral compartment contact area: a biomechanical analysis of tibiofemoral contact area and pressures with varying amounts of meniscal extrusion. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021, 29, 3124-3132.	4.2	18
35	Posterior Rotational and Translational Stability in Acromioclavicular Ligament Complex Reconstruction: A Comparative Biomechanical Analysis in Cadaveric Specimens. <i>American Journal of Sports Medicine</i> , 2020, 48, 2525-2533.	4.2	17
36	Acromion morphology and bone mineral density distribution suggest favorable fixation points for anatomic acromioclavicular reconstruction. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2017, 25, 2004-2012.	4.2	16

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37	A Superolaterally Placed Anchor for Subscapularis “Leading-Edge” Refixation: A Biomechanical Study. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2019, 35, 1306-1313.e1.	2.7	16
38	Rotational range of motion of elliptical and spherical heads in shoulder arthroplasty: a dynamic biomechanical evaluation. Archives of Orthopaedic and Trauma Surgery, 2022, 142, 67-76.	2.4	14
39	The V-Shaped Distal Triceps Tendon Repair: A Comparative Biomechanical Analysis. American Journal of Sports Medicine, 2018, 46, 1952-1958.	4.2	13
40	Metacarpal shaft fixation: a biomechanical comparison of dorsal plating, lag screws, and headless compression screws. BMC Musculoskeletal Disorders, 2021, 22, 335.	1.9	13
41	A new approach to superior capsular reconstruction with hamstring allograft for irreparable posterosuperior rotator cuff tears: a dynamic biomechanical evaluation. Journal of Shoulder and Elbow Surgery, 2021, 30, S38-S47.	2.6	13
42	Flexor Hallucis Longus Transfer Improves Achilles Tendon Load to Failure in Surgery for Non-Insertional Tendinopathy. Journal of Bone and Joint Surgery - Series A, 2019, 101, 1505-1512.	3.0	12
43	Biomechanical Evaluation of Proximal Hamstring Repair: All-Suture Anchor Versus Titanium Suture Anchor. Orthopaedic Journal of Sports Medicine, 2020, 8, 232596711989292.	1.7	12
44	How to avoid unintended valgus alignment in distal femoral derotational osteotomy for treatment of femoral torsional malalignment - a concept study. BMC Musculoskeletal Disorders, 2017, 18, 553.	1.9	9
45	All-suture anchor and unicortical button show comparable biomechanical properties for onlay subpectoral biceps tenodesis. JSES International, 2020, 4, 833-837.	1.6	9
46	Bursal Acromial Reconstruction (BAR) Using an Acellular Dermal Allograft for Massive, Irreparable Posterosuperior Rotator Cuff Tears: A Dynamic Biomechanical Investigation. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2022, 38, 297-306.e2.	2.7	9
47	Biomechanical comparison of lower trapezius and latissimus dorsi transfer for irreparable posterosuperior rotator cuff tears using a dynamic shoulder model. Journal of Shoulder and Elbow Surgery, 2022, 31, 2392-2401.	2.6	9
48	Biomechanical evaluation of an arthroscopic transosseous repair as a revision option for failed rotator cuff surgery. BMC Musculoskeletal Disorders, 2018, 19, 240.	1.9	8
49	Footprint coverage comparison between knotted and knotless techniques in a single-row rotator cuff repair: biomechanical analysis. BMC Musculoskeletal Disorders, 2019, 20, 123.	1.9	8
50	Increased Glenohumeral Joint Loads Due to a Supraspinatus Tear Can Be Reversed With Rotator Cuff Repair: A Biomechanical Investigation. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2022, 38, 1422-1432.	2.7	8
51	Acellular dermal matrix augmentation significantly increases ultimate load to failure of pectoralis major tendon repair: a biomechanical study. Journal of Shoulder and Elbow Surgery, 2020, 29, 728-735.	2.6	7
52	Biconcave glenoids show 3 differently oriented posterior erosion patterns. Journal of Shoulder and Elbow Surgery, 2021, 30, 2620-2628.	2.6	7
53	Biomechanical Comparison of Olecranon Sled Versus Intramedullary Screw Tension Banding for Olecranon Osteotomies. Orthopaedic Journal of Sports Medicine, 2018, 6, 232596711881607.	1.7	6
54	Elliptical heads result in increased glenohumeral translation along with micro-motion of the glenoid component during axial rotation in total shoulder arthroplasty. Archives of Orthopaedic and Trauma Surgery, 2023, 143, 177-187.	2.4	6

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55	Biomechanical consequences of isolated, massive and irreparable posterolateral rotator cuff tears on the glenohumeral joint. <i>Obere Extremitat</i> , 2021, 16, 120.	0.7	6
56	No correlation between radiolucency and biomechanical stability of keeled and pegged glenoid components. <i>BMC Musculoskeletal Disorders</i> , 2017, 18, 213.	1.9	5
57	Biomechanical Comparison of Fifth Carpometacarpal Fusion Methods: Kirschner Wires Versus Plate and Screws. <i>Techniques in Orthopaedics</i> , 2018, 33, 271-273.	0.2	4
58	Biomechanical Comparison of Anterograde and Retrograde Lesser Trochanter Avulsion Repair. <i>Orthopaedic Journal of Sports Medicine</i> , 2020, 8, 232596711989228.	1.7	4
59	Influence of Glenosphere and baseplate parameters on Glenoid bone strains in reverse shoulder Arthroplasty. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 587.	1.9	3
60	Ability to Retention Knotless Suture Anchors: A Biomechanical Analysis of Simulated Bankart Lesions. <i>Orthopaedic Journal of Sports Medicine</i> , 2022, 10, 232596712210987.	1.7	3
61	Subacromial bursa increases the failure force in a mouse model of supraspinatus detachment and repair. <i>Journal of Shoulder and Elbow Surgery</i> , 2022, 31, e519-e533.	2.6	3
62	Clavicular-Sided Tears Were the Most Frequent Mode of Failure During Biomechanical Analysis of Acromioclavicular Ligament Complex Failure During Adduction of the Scapula. <i>Arthroscopy, Sports Medicine, and Rehabilitation</i> , 2021, 3, e1723-e1728.	1.7	2
63	Augmentation of Distal Biceps Tendon Ruptures With the Lacertus Fibrosus: A Biomechanical Study in a Tendon-Deficient Model. <i>American Journal of Sports Medicine</i> , 2022, , 036354652110654.	4.2	0
64	Semitendinosus vs Gracilis Grafts With 1- vs 2-Tunnel Techniques for Coracoclavicular Ligament Reconstruction: A Biomechanical Study. <i>American Journal of Sports Medicine</i> , 2022, , 036354652210921.	4.2	0