

# Lawrence J Berglund

## List of Publications by Year in descending order

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42  
papers

2,545  
citations

236925

25  
h-index

265206

42  
g-index

42  
all docs

42  
docs citations

42  
times ranked

1813  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Effect of a Glenoid Defect on Anteroinferior Stability of the Shoulder After Bankart Repair: A Cadaveric Study*. Journal of Bone and Joint Surgery - Series A, 2000, 82, 35-46.	3.0	781
2	Tensile properties of the supraspinatus tendon. Journal of Orthopaedic Research, 1995, 13, 578-584.	2.3	227
3	Contribution of the Interosseous Membrane to Distal Radioulnar Joint Constraint. Journal of Hand Surgery, 2005, 30, 1164-1171.	1.6	123
4	Lunotriquetral ligament properties: A comparison of three anatomic subregions. Journal of Hand Surgery, 1998, 23, 425-431.	1.6	92
5	Analysis of dynamic distal radioulnar convergence after ulnar head resection and endoprosthesis implantation. Journal of Hand Surgery, 2002, 27, 425-434.	1.6	84
6	The Biomechanical Effect of the Distal Interosseous Membrane on Distal Radioulnar Joint Stability: A Preliminary Anatomic Study. Journal of Hand Surgery, 2011, 36, 1626-1630.	1.6	79
7	Engineered tendon-fibrocartilage-bone composite and bone marrow-derived mesenchymal stem cell sheet augmentation promotes rotator cuff healing in a non-weight-bearing canine model. Biomaterials, 2019, 192, 189-198.	11.4	77
8	The role of ankle ligaments and articular geometry in stabilizing the ankle. Clinical Biomechanics, 2012, 27, 189-195.	1.2	65
9	The Stabilizing Effect of the Distal Interosseous Membrane on the Distal Radioulnar Joint in an Ulnar Shortening Procedure: A Biomechanical Study. Journal of Bone and Joint Surgery - Series A, 2011, 93, 2022-2030.	3.0	63
10	An analysis of the constraint properties of the distal radioulnar ligament attachments to the ulna. Journal of Hand Surgery, 2002, 27, 61-67.	1.6	61
11	An Analysis of Symmetry of Torque Strength of the Forearm Under Resisted Forearm Rotation in Normal Subjects. Journal of Hand Surgery, 2006, 31, 801-805.	1.6	58
12	Stability of the distal radioulnar joint contributed by the joint capsule. Journal of Hand Surgery, 2004, 29, 1114-1120.	1.6	57
13	Influence of radial head prosthetic design on radiocapitellar joint contact mechanics. Journal of Shoulder and Elbow Surgery, 2014, 23, 456-462.	2.6	50
14	A mechanical study of the moment-forces of the supinators and pronators of the forearm. Acta Orthopaedica, 2001, 72, 629-634.	1.4	49
15	Stem diameter and micromotion of press fit radial head prosthesis: A biomechanical study. Journal of Shoulder and Elbow Surgery, 2009, 18, 785-790.	2.6	49
16	Biomechanical evaluation of a new fixation device for the thoracic spine. European Spine Journal, 2009, 18, 1213-1219.	2.2	46
17	Sliding characteristics between flexor tendons and surrounding tissues in the carpal tunnel: A biomechanical cadaver study. Journal of Orthopaedic Research, 2007, 25, 185-190.	2.3	40
18	Rotational stability of the carpus relative to the forearm. Journal of Hand Surgery, 1995, 20, 305-311.	1.6	39

#	ARTICLE	IF	CITATIONS
19	Dynamic Pressure Transmission Through Agarose Gels. <i>Tissue Engineering</i> , 2000, 6, 531-537.	4.6	39
20	The enhancement of periosteal chondrogenesis in organ culture by dynamic fluid pressure. <i>Journal of Orthopaedic Research</i> , 2001, 19, 524-530.	2.3	35
21	Biomechanical evaluation of the dynamic radioulnar convergence after ulnar head resection, two soft tissue stabilization methods of the distal ulna and ulnar head prosthesis implantation. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2011, 131, 15-26.	2.4	34
22	Biomechanical Evaluation of Posterior Screw Fixation in Cadaveric Cervical Spines. <i>Clinical Orthopaedics and Related Research</i> , 2003, 411, 13-24.	1.5	33
23	Role of the lateral collateral ligament in posteromedial rotatory instability of the elbow. <i>Journal of Shoulder and Elbow Surgery</i> , 2017, 26, 1636-1643.	2.6	32
24	IN VITRO SIMULATION OF THE STANCE PHASE IN HUMAN GAIT. <i>Journal of Musculoskeletal Research</i> , 2001, 05, 113-121.	0.2	30
25	Posterior tibial tendon dysfunction and flatfoot: Analysis with simulated walking. <i>Gait and Posture</i> , 2013, 37, 264-268.	1.4	28
26	Extensor mechanism of the fingers. II. Tensile properties of components. <i>Journal of Hand Surgery</i> , 1991, 16, 1136-1140.	1.6	24
27	Articular Contact Area and Pressure in Posteromedial Rotatory Instability of the Elbow. <i>Journal of Bone and Joint Surgery - Series A</i> , 2018, 100, e34.	3.0	23
28	Biochemically discrete zones of canine flexor tendon: Evaluation of properties with a new photographic method. <i>Journal of Orthopaedic Research</i> , 1992, 10, 198-204.	2.3	22
29	A dynamic simulator to evaluate distal radio-ulnar joint kinematics. <i>Journal of Biomechanics</i> , 2001, 34, 335-339.	2.1	22
30	Biomechanical evaluation of posterior lumbar dynamic stabilization: an in vitro comparison between Universal Clamp and Wallis systems. <i>European Spine Journal</i> , 2011, 20, 289-296.	2.2	21
31	Coronoid reconstruction using osteochondral grafts: a biomechanical study. <i>Journal of Shoulder and Elbow Surgery</i> , 2017, 26, 1794-1802.	2.6	20
32	Biomechanical Evaluation of New Posterior Occipitocervical Instrumentation System. <i>Clinical Orthopaedics and Related Research</i> , 2003, 411, 103-115.	1.5	19
33	Gliding resistance of flexor tendon associated with carpal tunnel pressure: A biomechanical cadaver study. <i>Journal of Orthopaedic Research</i> , 2011, 29, 58-61.	2.3	18
34	Radial head prosthesis micromotion characteristics: Partial versus fully grit-blasted stems. <i>Journal of Shoulder and Elbow Surgery</i> , 2011, 20, 27-32.	2.6	17
35	Transverse connectors providing increased stability to the cervical spine rod-screw construct: an in vitro human cadaveric study. <i>Journal of Neurosurgery: Spine</i> , 2011, 14, 719-725.	1.7	16
36	Axial load transmission through the elbow during forearm rotation. <i>Journal of Shoulder and Elbow Surgery</i> , 2018, 27, 530-537.	2.6	15

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37	Analysis of joint laxity after total ankle arthroplasty: Cadaver study. <i>Clinical Biomechanics</i> , 2009, 24, 655-660.	1.2	14
38	Junction kinematics between proximal mobile and distal fused lumbar segments: biomechanical analysis of pedicle and hook constructs. <i>Spine Journal</i> , 2009, 9, 846-853.	1.3	14
39	Validation of a dynamic joint contracture measuring device in a live rabbit model of arthrofibrosis. <i>Journal of Orthopaedic Research</i> , 2018, 36, 2186-2192.	2.3	10
40	Fibrin glue mediated delivery of bone anabolic reagents to enhance healing of tendon to bone. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 5715-5724.	2.6	9
41	Effects of axial forearm instability on force transmission across the elbow. <i>Journal of Shoulder and Elbow Surgery</i> , 2019, 28, 170-177.	2.6	7
42	Articular contact area and contact pressure in posteromedial rotatory instability of the elbow. <i>Journal of Shoulder and Elbow Surgery</i> , 2017, 26, e149.	2.6	3