Vincent M Wang

List of Publications by Year
in descending order

67 papers	2,758 citations	168829 31 h-index	206121 51 g-index
71 all docs	71 docs citations	71 times ranked	2635 citing authors

#	Article	IF	Citations
1	Cross-talk with skeletal muscle and its nexus with regenerative rehabilitation. Connective Tissue Research, 2021, 62, 1-3.	1.1	0
2	A novel murine muscle loading model to investigate Achilles musculotendinous adaptation. Journal of Applied Physiology, 2021, 130, 1043-1051.	1.2	4
3	Inâ€Vivo Efficacy of Recombinant Human Hyaluronidase (rHuPH20) Injection for Accelerated Healing of Murine Retrocalcaneal Bursitis and Tendinopathy. Journal of Orthopaedic Research, 2020, 38, 59-69.	1.2	4
4	Machine Learning Applications in Orthopaedic Imaging. Journal of the American Academy of Orthopaedic Surgeons, The, 2020, 28, e415-e417.	1.1	8
5	Biomechanical comparison of subscapularis peel and lesser tuberosity osteotomy for double-row subscapularis repair technique in a cadaveric arthroplasty model. Journal of Orthopaedic Surgery and Research, 2019, 14, 391.	0.9	10
6	TGF-b1 or hypoxia enhance glucose metabolism and lactate production via HIF1A signaling in tendon cells. Connective Tissue Research, 2018, 59, 458-471.	1.1	19
7	Oral Ibuprofen Interferes with Cellular Healing Responses in a Murine Model of Achilles Tendinopathy. Journal of Musculoskeletal Disorders and Treatment, 2018, 4, .	0.1	14
8	Diffusion Tensor Imaging of Tendons and Ligaments at Ultra-High Magnetic Fields. Critical Reviews in Biomedical Engineering, 2018, 46, 311-339.	0.5	5
9	Knockout of hyaluronan synthase 1, but not 3, impairs formation of the retrocalcaneal bursa. Journal of Orthopaedic Research, 2018, 36, 2622-2632.	1.2	13
10	Genome-wide analysis identifies differential promoter methylation of Leprel2 , Foxf1 , Mmp25, Igfbp6 , and Peg12 in murine tendinopathy. Journal of Orthopaedic Research, 2017, 35, 947-955.	1.2	14
11	Biomechanical Performance of Medial Row Suture Placement Relative to the Musculotendinous Junction in Transosseous Equivalent Suture Bridge Double-Row Rotator Cuff Repair. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2017, 33, 242-250.	1.3	26
12	Suture Technique Influences the Biomechanical Integrity of Pectoralis Major Repairs. Orthopedics, 2015, 38, e746-52.	0.5	12
13	Effect of highly purified capsaicin on articular cartilage and rotator cuff tendon healing: An in vivo rabbit study. Journal of Orthopaedic Research, 2015, 33, 1854-1860.	1.2	3
14	Are Anterior Supraspinatus Tendon Tears More Prone to Propagation?. Journal of Bone and Joint Surgery - Series A, 2015, 97, e24.	1.4	1
15	Assessment of glenoid chondral healing: comparison of microfracture to autologous matrix-induced chondrogenesis in a novel rabbit shoulder model. Journal of Shoulder and Elbow Surgery, 2015, 24, 1789-1800.	1.2	11
16	Regional mechanical properties of human patellar tendon allografts. Knee Surgery, Sports Traumatology, Arthroscopy, 2015, 23, 961-967.	2.3	23
17	Recent Scientific Advances Towards the Development of Tendon Healing Strategies. Current Tissue Engineering, 2015, 4, 128-143.	0.2	16
18	Comparison of Glenohumeral Contact Pressures and Contact Areas After Posterior Glenoid Reconstruction With an Iliac Crest Bone Graft or Distal Tibial Osteochondral Allograft. American Journal of Sports Medicine, 2014, 42, 2574-2582.	1.9	45

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19	Inferior Suture Anchor Placement During Arthroscopic Bankart Repair. American Journal of Sports Medicine, 2014, 42, 1182-1189.	1.9	40
20	Effect of Interference Screw Depth on Fixation Strength inÂBiceps Tenodesis. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2014, 30, 11-15.	1.3	24
21	Role of the superior labrum after biceps tenodesis in glenohumeral stability. Journal of Shoulder and Elbow Surgery, 2014, 23, 485-491.	1.2	49
22	Computed Tomographic Analysis of Curved and Straight Guides for Placement of Suture Anchors for Acetabular Labral Refixation. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2013, 29, 1623-1627.	1.3	29
23	Rotator cuff healing after continuous subacromial bupivacaine infusion: an inÂvivo rabbit study. Journal of Shoulder and Elbow Surgery, 2013, 22, 489-499.	1.2	11
24	Controlled treadmill exercise eliminates chondroid deposits and restores tensile properties in a new murine tendinopathy model. Journal of Biomechanics, 2013, 46, 498-505.	0.9	52
25	ADAMTS5 is required for biomechanicallyâ€stimulated healing of murine tendinopathy. Journal of Orthopaedic Research, 2013, 31, 1540-1548.	1.2	17
26	Central-Third Boneâ€“Patellar Tendonâ€“Bone Allografts Demonstrate Superior Biomechanical Failure Characteristics Compared With Hemiâ€“Patellar Tendon Grafts. American Journal of Sports Medicine, 2013, 41, 2521-2526.	1.9	26
27	Comparison of Glenohumeral Contact Pressures and Contact Areas After Glenoid Reconstruction With Latarjet or Distal Tibial Osteochondral Allografts. American Journal of Sports Medicine, 2013, 41, 1900-1908.	1.9	79
28	Biomechanical Evaluation of Transosseous Rotator Cuff Repair. American Journal of Sports Medicine, 2013, 41, 283-290.	1.9	68
29	The Biomechanical Effects of 1.0 to 1.2 Mrad of Gamma Irradiation on Human Boneâ€“Patellar Tendonâ€“Bone Allografts. American Journal of Sports Medicine, 2013, 41, 835-840.	1.9	56
30	Role of Biomechanics in Rotator Cuff Pathology: North American Perspective. Medicine and Sport Science, 2012, 57, 18-26.	1.4	12
31	Effects of Serial Sectioning and Repair of Radial Tears in the Lateral Meniscus. American Journal of Sports Medicine, 2012, 40, 1863-1870.	1.9	129
32	Biomechanical Analysis of the Pectoralis Major Tendon and Comparison of Techniques for Tendo-osseous Repair. American Journal of Sports Medicine, 2012, 40, 1887-1894.	1.9	50
33	A Biomechanical Comparison of Repair Techniques for Complete Gluteus Medius Tears. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2012, 28, 1410-1416.	1.3	31
34	Bony Incorporation of Soft Tissue Anterior Cruciate Ligament Grafts in an Animal Model. American Journal of Sports Medicine, 2012, 40, 1789-1798.	1.9	51
35	Murine tendon function is adversely affected by aggrecan accumulation due to the knockout of ADAMTS5. Journal of Orthopaedic Research, 2012, 30, 620-626.	1.2	49
36	Biceps Tenodesis With Interference Screw Fixation: A Biomechanical Comparison of Screw Length and Diameter. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2011, 27, 161-166.	1.3	55

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37	Biochemical identification and immunolocalizaton of aggrecan, ADAMTS5 and interâ€alphaâ€trypsinâ€“inhibitor in equine degenerative suspensory ligament desmitis. Journal of Orthopaedic Research, 2011, 29, 900-906.	1.2	45
38	Biomechanical Evaluation of a High Tibial Osteotomy with a Meniscal Transplant. Journal of Knee Surgery, 2011, 24, 045-054.	0.9	48
39	Biomechanical Factors in Rotator Cuff Pathology. Sports Medicine and Arthroscopy Review, 2011, 19, 202-206.	1.0	12
40	Important Preliminary Findings on the Potential Role for Nandrolone Decanoate in the Treatment of Chronic Rotator Cuff Tears.. Journal of Bone and Joint Surgery - Series A, 2011, 93, e144.	1.4	2
41	Cycleâ€dependent matrix remodeling gene expression response in fatigueâ€loaded rat patellar tendons. Journal of Orthopaedic Research, 2010, 28, 1380-1386.	1.2	48
42	Early response to tendon fatigue damage accumulation in a novel in vivo model. Journal of Biomechanics, 2010, 43, 274-279.	0.9	147
43	Medial versus Lateral Supraspinatus Tendon Properties. American Journal of Sports Medicine, 2010, 38, 2456-2463.	1.9	33
44	A Biomechanical Analysis of Anterior Bankart Repair Using Suture Anchors. American Journal of Sports Medicine, 2010, 38, 1405-1412.	1.9	72
45	Biomechanical similarities among subscapularis repairs after shoulder arthroplasty. Journal of Shoulder and Elbow Surgery, 2010, 19, 657-663.	1.2	69
46	Restoring the Labral Height for Treatment of Bankart Lesions: A Comparison of Suture Anchor Constructs. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2010, 26, 587-591.	1.3	32
47	A Biomechanical Analysis of Shoulder Stabilization. American Journal of Sports Medicine, 2010, 38, 1413-1419.	1.9	22
48	Biomechanical Evaluation of Bioabsorbable versus Metallic Screws for Posterior Cruciate Ligament Inlay Graft Fixation. American Journal of Sports Medicine, 2009, 37, 748-753.	1.9	27
49	Tibial Fixation of Anterior Cruciate Ligament Allograft Tendons. American Journal of Sports Medicine, 2009, 37, 1531-1538.	1.9	16
50	Subrupture tendon fatigue damage. Journal of Orthopaedic Research, 2009, 27, 264-273.	1.2	138
51	Performance of a Sterile Meniscal Allograft in an Ovine Model. Clinical Orthopaedics and Related Research, 2009, 467, 1868-1876.	0.7	27
52	Mechanism of Sustained Release of Vascular Endothelial Growth Factor in Accelerating Experimental Diabetic Healing. Journal of Investigative Dermatology, 2009, 129, 2275-2287.	0.3	152
53	Temperature-dependent viscoelastic properties of the human supraspinatus tendon. Journal of Biomechanics, 2009, 42, 546-549.	0.9	34
54	Biceps tendinitis in chronic rotator cuff tears: A histologic perspective. Journal of Shoulder and Elbow Surgery, 2008, 17, 898-904.	1.2	73

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55	Novel procedure for high-fidelity tendon histology. Journal of Orthopaedic Research, 2007, 25, 390-395.	1.2	37
56	The synergism of age and db/db genotype impairs wound healingâ˜†. Experimental Gerontology, 2007, 42, 523-531.	1.2	44
57	Variability in tendon and knee joint biomechanics among inbred mouse strains. Journal of Orthopaedic Research, 2006, 24, 1200-1207.	1.2	28
58	Inhomogeneous mechanical behavior of the human supraspinatus tendon under uniaxial loading. Journal of Orthopaedic Research, 2005, 23, 924-930.	1.2	96
59	Biomechanics of shoulder capsulorrhaphy procedures. Journal of Shoulder and Elbow Surgery, 2005, 14, S12-S18.	1.2	43
60	Biomechanical evaluation of a novel glenoid design in total shoulder arthroplasty. Journal of Shoulder and Elbow Surgery, 2005, 14, S129-S140.	1.2	29
61	Pathomechanics of acquired shoulder instability: A basic science perspective. Journal of Shoulder and Elbow Surgery, 2005, 14, S2-S11.	1.2	36
62	Comparison of Glenohumeral Mechanics Following a Capsular Shift and Anterior Tightening. Journal of Bone and Joint Surgery - Series A, 2005, 87, 1312.	1.4	20
63	COMPARISON OF GLENOHUMERAL MECHANICS FOLLOWING A CAPSULAR SHIFT AND ANTERIOR TIGHTENING. Journal of Bone and Joint Surgery - Series A, 2005, 87, 1312-1322.	1.4	0
64	Biomechanics Of Glenoid Component Design. Techniques in Shoulder and Elbow Surgery, 2003, 4, 110-120.	0.2	3
65	Glenohumeral mechanics: A study of articular geometry, contact, and kinematics. Journal of Shoulder and Elbow Surgery, 2001, 10, 73-84.	1.2	148
66	Anterior and posterior musculotendinous anatomy of the supraspinatus. Journal of Shoulder and Elbow Surgery, 2000, 9, 436-440.	1.2	132
67	Effects of repetitive subfailure strains on the mechanical behavior of the inferior glenohumeral ligament. Journal of Shoulder and Elbow Surgery, 2000, 9, 427-435.	1.2	84