

William E Garrett

List of Publications by Citations

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100
papers

10,629
citations

45
h-index

103
g-index

103
ext. papers

11,644
ext. citations

5.1
avg, IF

5.95
L-index

#	Paper	IF	Citations
100	Mechanisms of Anterior Cruciate Ligament Injury. <i>Orthopedics</i> , 2000 , 23, 573-578	1.5	973
99	Noncontact anterior cruciate ligament injuries: risk factors and prevention strategies. <i>Journal of the American Academy of Orthopaedic Surgeons</i> , 2000 , 8, 141-50	4.5	883
98	Understanding and preventing noncontact anterior cruciate ligament injuries: a review of the Hunt Valley II meeting, January 2005. <i>American Journal of Sports Medicine</i> , 2006 , 34, 1512-32	6.8	650
97	A comparison of knee joint motion patterns between men and women in selected athletic tasks. <i>Clinical Biomechanics</i> , 2001 , 16, 438-45	2.2	551
96	Viscoelastic properties of muscle-tendon units. The biomechanical effects of stretching. <i>American Journal of Sports Medicine</i> , 1990 , 18, 300-9	6.8	531
95	Acute dislocation of the patella. A correlative pathoanatomic study. <i>American Journal of Sports Medicine</i> , 1996 , 24, 52-60	6.8	433
94	The Landing Error Scoring System (LESS) Is a valid and reliable clinical assessment tool of jump-landing biomechanics: The JUMP-ACL study. <i>American Journal of Sports Medicine</i> , 2009 , 37, 1996-2002	6.8	377
93	A comparison of knee kinetics between male and female recreational athletes in stop-jump tasks. <i>American Journal of Sports Medicine</i> , 2002 , 30, 261-7	6.8	373
92	Muscle Strain Injuries. <i>American Journal of Sports Medicine</i> , 1996 , 24, S2-S8	6.8	370
91	Lower extremity biomechanics during the landing of a stop-jump task. <i>Clinical Biomechanics</i> , 2006 , 21, 297-305	2.2	277
90	Management of severe lower abdominal or inguinal pain in high-performance athletes. PAIN (Performing Athletes with Abdominal or Inguinal Neuromuscular Pain Study Group). <i>American Journal of Sports Medicine</i> , 2000 , 28, 2-8	6.8	265
89	Effect of fatigue on knee kinetics and kinematics in stop-jump tasks. <i>American Journal of Sports Medicine</i> , 2005 , 33, 1022-9	6.8	257
88	Mechanisms of non-contact ACL injuries. <i>British Journal of Sports Medicine</i> , 2007 , 41 Suppl 1, i47-51	10.3	252
87	The role of fatigue in susceptibility to acute muscle strain injury. <i>American Journal of Sports Medicine</i> , 1996 , 24, 137-43	6.8	252
86	Kinematics and electromyography of landing preparation in vertical stop-jump: risks for noncontact anterior cruciate ligament injury. <i>American Journal of Sports Medicine</i> , 2007 , 35, 235-41	6.8	231
85	Radiographic imaging of muscle strain injury. <i>American Journal of Sports Medicine</i> , 1993 , 21, 89-95; discussion 96	6.8	193
84	Osseous injury associated with acute tears of the anterior cruciate ligament. <i>American Journal of Sports Medicine</i> , 1992 , 20, 382-9	6.8	187

83	Biomechanical and histological evaluation of muscle after controlled strain injury. <i>American Journal of Sports Medicine</i> , 1987 , 15, 9-14	6.8	186
82	Biomechanical characteristics of human ankle ligaments. <i>Foot & Ankle</i> , 1985 , 6, 54-8		179
81	American Board of Orthopaedic Surgery Practice of the Orthopaedic Surgeon: Part-II, certification examination case mix. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006 , 88, 660-7	5.6	171
80	Warm-up and muscular injury prevention. An update. <i>Sports Medicine</i> , 1989 , 8, 239-49	10.6	169
79	Instruction of jump-landing technique using videotape feedback: altering lower extremity motion patterns. <i>American Journal of Sports Medicine</i> , 2005 , 33, 831-42	6.8	156
78	Experimental muscle strain injury. Early functional and structural deficits and the increased risk for reinjury. <i>American Journal of Sports Medicine</i> , 1993 , 21, 190-4	6.8	127
77	Patellofemoral Instability: Evaluation and Management. <i>Journal of the American Academy of Orthopaedic Surgeons, The</i> , 1997 , 5, 47-57	4.5	126
76	The effects of strength training on the lower extremity biomechanics of female recreational athletes during a stop-jump task. <i>American Journal of Sports Medicine</i> , 2008 , 36, 733-40	6.8	121
75	The effects of feedback with and without strength training on lower extremity biomechanics. <i>American Journal of Sports Medicine</i> , 2009 , 37, 1301-8	6.8	109
74	Age and gender effects on lower extremity kinematics of youth soccer players in a stop-jump task. <i>American Journal of Sports Medicine</i> , 2005 , 33, 1356-64	6.8	102
73	Muscle strain injury: diagnosis and treatment. <i>Journal of the American Academy of Orthopaedic Surgeons, The</i> , 1999 , 7, 262-9	4.5	102
72	Incomplete, intrasubstance strain injuries of the rectus femoris muscle. <i>American Journal of Sports Medicine</i> , 1995 , 23, 500-6	6.8	100
71	Muscle changes in aging: understanding sarcopenia. <i>Sports Health</i> , 2014 , 6, 36-40	4.7	82
70	Injury rate, mechanism, and risk factors of hamstring strain injuries in sports: A review of the literature. <i>Journal of Sport and Health Science</i> , 2012 , 1, 92-101	8.2	80
69	National Athletic Trainers Association Position Statement: Prevention of Anterior Cruciate Ligament Injury. <i>Journal of Athletic Training</i> , 2018 , 53, 5-19	4	79
68	Gender Comparison of Patellar Tendon Tibial Shaft Angle with Weight Bearing. <i>Research in Sports Medicine</i> , 2003 , 11, 173-185	3.8	71
67	Injuries at the Myotendinous Junction. <i>Clinics in Sports Medicine</i> , 1992 , 11, 783-806	2.6	69
66	Knee Kinematics During Noncontact Anterior Cruciate Ligament Injury as Determined From Bone Bruise Location. <i>American Journal of Sports Medicine</i> , 2015 , 43, 2515-21	6.8	64

65	In vivo cartilage strain increases following medial meniscal tear and correlates with synovial fluid matrix metalloproteinase activity. <i>Journal of Biomechanics</i> , 2015 , 48, 1461-8	2.9	61
64	Muscle Injuries in Sports: A New Evidence-Informed and Expert Consensus-Based Classification with Clinical Application. <i>Sports Medicine</i> , 2017 , 47, 1241-1253	10.6	60
63	Prevention of ACL injury, part I: injury characteristics, risk factors, and loading mechanism. <i>Research in Sports Medicine</i> , 2012 , 20, 180-97	3.8	60
62	Anterior cruciate ligament injuries in soccer: Loading mechanisms, risk factors, and prevention programs. <i>Journal of Sport and Health Science</i> , 2014 , 3, 299-306	8.2	58
61	In vivo measurement of localized tibiofemoral cartilage strains in response to dynamic activity. <i>American Journal of Sports Medicine</i> , 2015 , 43, 370-6	6.8	57
60	The effects of 2 landing techniques on knee kinematics, kinetics, and performance during stop-jump and side-cutting tasks. <i>American Journal of Sports Medicine</i> , 2015 , 43, 466-74	6.8	57
59	Does adjustable-loop femoral cortical suspension loosen after anterior cruciate ligament reconstruction? A retrospective comparative study. <i>Knee</i> , 2015 , 22, 304-8	2.6	53
58	Clinical perspectives regarding eccentric muscle injury. <i>Clinical Orthopaedics and Related Research</i> , 2002 , S81-9	2.2	53
57	The effects of femoral graft placement on cartilage thickness after anterior cruciate ligament reconstruction. <i>Journal of Biomechanics</i> , 2014 , 47, 96-101	2.9	46
56	Identification of a threshold for skeletal muscle injury. <i>American Journal of Sports Medicine</i> , 1994 , 22, 257-61	6.8	46
55	A stochastic biomechanical model for risk and risk factors of non-contact anterior cruciate ligament injuries. <i>Journal of Biomechanics</i> , 2009 , 42, 418-23	2.9	45
54	Immediate effects of a knee brace with a constraint to knee extension on knee kinematics and ground reaction forces in a stop-jump task. <i>American Journal of Sports Medicine</i> , 2004 , 32, 1136-43	6.8	45
53	Functional Testing Differences in Anterior Cruciate Ligament Reconstruction Patients Released Versus Not Released to Return to Sport. <i>American Journal of Sports Medicine</i> , 2015 , 43, 1648-55	6.8	41
52	Comparison of soccer shin guards in preventing tibia fracture. <i>American Journal of Sports Medicine</i> , 2000 , 28, 227-33	6.8	41
51	Effect of normal gait on in vivo tibiofemoral cartilage strains. <i>Journal of Biomechanics</i> , 2016 , 49, 2870-2876	2.6	39
50	Determination of the Position of the Knee at the Time of an Anterior Cruciate Ligament Rupture for Male Versus Female Patients by an Analysis of Bone Bruises. <i>American Journal of Sports Medicine</i> , 2018 , 46, 1559-1565	6.8	38
49	Mechanisms of injury of the anterior cruciate ligament in soccer players. <i>Clinics in Sports Medicine</i> , 1998 , 17, 779-85, vii	2.6	38
48	Matrix metalloproteinase activity and prostaglandin E2 are elevated in the synovial fluid of meniscus tear patients. <i>Connective Tissue Research</i> , 2017 , 58, 305-316	3.3	30

47	Anterior Cruciate Ligament Injuries in Female Athletes: Anatomy, Physiology, and Motor Control. <i>Sports Medicine and Arthroscopy Review</i> , 2002 , 10, 58-68	2.5	30
46	Biomechanical characteristics of an anterior cruciate ligament injury in javelin throwing. <i>Journal of Sport and Health Science</i> , 2015 , 4, 333-340	8.2	29
45	Bone Bruises Associated with Anterior Cruciate Ligament Injury as Indicators of Injury Mechanism: A Systematic Review. <i>Sports Medicine</i> , 2019 , 49, 453-462	10.6	28
44	Cost-effectiveness analysis of the diagnosis of meniscus tears. <i>American Journal of Sports Medicine</i> , 2015 , 43, 128-37	6.8	28
43	In Vivo Anterior Cruciate Ligament Deformation During a Single-Legged Jump Measured by Magnetic Resonance Imaging and High-Speed Biplanar Radiography. <i>American Journal of Sports Medicine</i> , 2019 , 47, 3166-3172	6.8	26
42	Changes in landing mechanics in patients following anterior cruciate ligament reconstruction when wearing an extension constraint knee brace. <i>Sports Health</i> , 2014 , 6, 203-9	4.7	24
41	Biomechanical risk factors of non-contact ACL injuries: A stochastic biomechanical modeling study. <i>Journal of Sport and Health Science</i> , 2012 , 1, 36-42	8.2	23
40	A New Stress Test for Knee Joint Cartilage. <i>Scientific Reports</i> , 2019 , 9, 2283	4.9	22
39	The influence of gender-specific loading patterns of the stop-jump task on anterior cruciate ligament strain. <i>Injury</i> , 2007 , 38, 973-8	2.5	22
38	Aggressive quadriceps loading can induce noncontact anterior cruciate ligament injury. <i>American Journal of Sports Medicine</i> , 2005 , 33, 1106; author reply 1106-7	6.8	22
37	Relationships among hamstring muscle optimal length and hamstring flexibility and strength. <i>Journal of Sport and Health Science</i> , 2017 , 6, 275-282	8.2	20
36	The effect of hamstring flexibility on peak hamstring muscle strain in sprinting. <i>Journal of Sport and Health Science</i> , 2017 , 6, 283-289	8.2	19
35	Effects of a knee extension constraint brace on lower extremity movements after ACL reconstruction. <i>Clinical Orthopaedics and Related Research</i> , 2011 , 469, 1774-80	2.2	18
34	Effects of a knee extension constraint brace on selected lower extremity motion patterns during a stop-jump task. <i>Journal of Applied Biomechanics</i> , 2008 , 24, 158-65	1.2	18
33	Mechanism of hamstring muscle strain injury in sprinting. <i>Journal of Sport and Health Science</i> , 2017 , 6, 130-132	8.2	17
32	In vivo attachment site to attachment site length and strain of the ACL and its bundles during the full gait cycle measured by MRI and high-speed biplanar radiography. <i>Journal of Biomechanics</i> , 2020 , 98, 109443	2.9	17
31	The effect of performance demands on lower extremity biomechanics during landing and cutting tasks. <i>Journal of Sport and Health Science</i> , 2019 , 8, 228-234	8.2	17
30	Automatic registration of MRI-based joint models to high-speed biplanar radiographs for precise quantification of in vivo anterior cruciate ligament deformation during gait. <i>Journal of Biomechanics</i> , 2018 , 81, 36-44	2.9	16

29	Activities of daily living influence tibial cartilage T1rho relaxation times. <i>Journal of Biomechanics</i> , 2019 , 82, 228-233	2.9	15
28	Effects of Anterior Cruciate Ligament Deficiency on Tibiofemoral Cartilage Thickness and Strains in Response to Hopping. <i>American Journal of Sports Medicine</i> , 2019 , 47, 96-103	6.8	14
27	Management of the Retired Athlete with Osteoarthritis of the Knee. <i>Cartilage</i> , 2012 , 3, 69S-76S	3	13
26	Lower Extremity Movement Differences Persist After Anterior Cruciate Ligament Reconstruction and When Returning to Sports. <i>Clinical Journal of Sport Medicine</i> , 2016 , 26, 411-6	3.2	13
25	A comparison of patellofemoral cartilage morphology and deformation in anterior cruciate ligament deficient versus uninjured knees. <i>Journal of Biomechanics</i> , 2018 , 67, 78-83	2.9	13
24	Effects of an Intervention Program on Lower Extremity Biomechanics in Stop-Jump and Side-Cutting Tasks. <i>American Journal of Sports Medicine</i> , 2018 , 46, 3014-3022	6.8	9
23	Novel drug OMS103HP reduces pain and improves joint motion and function for 90 days after arthroscopic meniscectomy. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2011 , 27, 1060-70	5.4	9
22	In vivo assessment of the interaction of patellar tendon tibial shaft angle and anterior cruciate ligament elongation during flexion. <i>Journal of Biomechanics</i> , 2019 , 90, 123-127	2.9	8
21	Medial Patellofemoral Ligament Reconstruction Using a Femoral Loop Button Fixation Technique. <i>Arthroscopy Techniques</i> , 2015 , 4, e601-7	1.7	8
20	Effects of knee extension constraint training on knee flexion angle and peak impact ground-reaction force. <i>American Journal of Sports Medicine</i> , 2014 , 42, 979-86	6.8	8
19	Direct Visualization of Existing Footprint and Outside-In Drilling of the Femoral Tunnel in Anterior Cruciate Ligament Reconstruction in the Knee. <i>Arthroscopy Techniques</i> , 2015 , 4, e107-13	1.7	7
18	Inside-Out or Outside-In Suturing Should Not Be Considered the Standard Repair Method for Radial Tears of the Midbody of the Lateral Meniscus: A Systematic Review and Meta-Analysis of Biomechanical Studies. <i>Journal of Knee Surgery</i> , 2016 , 29, 604-612	2.4	7
17	The Trapped Medial Meniscus Tear: An Examination Maneuver Helps Predict Arthroscopic Findings. <i>Orthopaedic Journal of Sports Medicine</i> , 2015 , 3, 2325967115583954	3.5	6
16	Time to get rid of the clock: intraobserver and interobserver reliability in determination of the o'clock position of the femoral tunnel in ACL reconstruction. <i>Journal of Knee Surgery</i> , 2014 , 27, 89-92	2.4	6
15	Comment on "The late swing and early stance of sprinting are most hazardous for hamstring injuries" by Liu et al. <i>Journal of Sport and Health Science</i> , 2017 , 6, 137-138	8.2	5
14	Anterior cruciate ligament injury mechanisms and risk factors. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2007 , 37, A10-1	4.2	5
13	Rehabilitation of Muscle Injuries 2001 , 185-193		3
12	Cold gel reduced pain and disability in minor soft-tissue injury. <i>Journal of Bone and Joint Surgery - Series A</i> , 2004 , 86, 1101	5.6	2

11	Are Weightbearing Restrictions Required After Microfracture for Isolated Chondral Lesions of the Knee? A Review of the Basic Science and Clinical Literature. <i>Sports Health</i> , 2021 , 13, 111-115	4.7	2
10	Reconsidering Reciprocal Length Patterns of the Anteromedial and Posterolateral Bundles of the Anterior Cruciate Ligament During In Vivo Gait. <i>American Journal of Sports Medicine</i> , 2020 , 48, 1893-1899	6.8	1
9	Mechanisms of Noncontact Anterior Cruciate Ligament Injuries 2018 , 16-19.e2		1
8	Relative Age Effect: Beyond the Youth Phenomenon. <i>American Journal of Lifestyle Medicine</i> , 2020 , 14, 429-436	1.9	1
7	Advanced Patellar Tendinopathy Is Associated With Increased Rates of Bone-Patellar Tendon-Bone Autograft Failure at Early Follow-up After Anterior Cruciate Ligament Reconstruction. <i>Orthopaedic Journal of Sports Medicine</i> , 2018 , 6, 2325967118807710	3.5	1
6	Enthesopathy of the Distal Biceps Femoris Tendon Insertion: An Unusual Case of Posterolateral Knee Pain: A Case Report. <i>JBJS Case Connector</i> , 2012 , 2, e28	0.4	0
5	Presidential address of the American Orthopaedic Society for Sports Medicine: it hurts when I do this. <i>American Journal of Sports Medicine</i> , 2004 , 32, 1822-4	6.8	0
4	Muscle-Tendon Junction Injury 2017 , 51-60		
3	Mechanisms of Noncontact Anterior Cruciate Ligament Injuries 2008 , 12-17		
2	Gender-specific Lower Extremity Kinematic Differences in Collegiate Soccer Athletes during Three Kicking Tasks. <i>The Duke Orthopaedic Journal</i> , 2018 , 8, 55-60		
1	A Rare Technical Complication Causing ACL Graft Failure: Aberrant Femoral Tunnel Trajectory and Posterolateral Corner Compromise: A Case Report. <i>JBJS Case Connector</i> , 2013 , 3, e731-4	0.4	