

William E Garrett

List of Publications by Year in descending order

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101
papers

12,835
citations

41258

49
h-index

35952

97
g-index

103
all docs

103
docs citations

103
times ranked

6199
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms of Anterior Cruciate Ligament Injury. <i>Orthopedics</i> , 2000, 23, 573-578.	0.5	1,176
2	Noncontact Anterior Cruciate Ligament Injuries: Risk Factors and Prevention Strategies. <i>Journal of the American Academy of Orthopaedic Surgeons</i> , The, 2000, 8, 141-150.	1.1	1,063
3	Understanding and Preventing Noncontact Anterior Cruciate Ligament Injuries. <i>American Journal of Sports Medicine</i> , 2006, 34, 1512-1532.	1.9	784
4	A comparison of knee joint motion patterns between men and women in selected athletic tasks. <i>Clinical Biomechanics</i> , 2001, 16, 438-445.	0.5	618
5	Viscoelastic properties of muscle-tendon units. <i>American Journal of Sports Medicine</i> , 1990, 18, 300-309.	1.9	614
6	Acute Dislocation of the Patella. <i>American Journal of Sports Medicine</i> , 1996, 24, 52-60.	1.9	504
7	The Landing Error Scoring System (LESS) Is a Valid and Reliable Clinical Assessment Tool of Jump-Landing Biomechanics. <i>American Journal of Sports Medicine</i> , 2009, 37, 1996-2002.	1.9	485
8	Muscle Strain Injuries. <i>American Journal of Sports Medicine</i> , 1996, 24, S2-S8.	1.9	464
9	A Comparison of Knee Kinetics between Male and Female Recreational Athletes in Stop-Jump Tasks. <i>American Journal of Sports Medicine</i> , 2002, 30, 261-267.	1.9	412
10	Mechanisms of non-contact ACL injuries. <i>British Journal of Sports Medicine</i> , 2007, 41, i47-i51.	3.1	336
11	Lower extremity biomechanics during the landing of a stop-jump task. <i>Clinical Biomechanics</i> , 2006, 21, 297-305.	0.5	329
12	Management of Severe Lower Abdominal or Inguinal Pain in High-Performance Athletes. <i>American Journal of Sports Medicine</i> , 2000, 28, 2-8.	1.9	313
13	The Role of Fatigue in Susceptibility to Acute Muscle Strain Injury. <i>American Journal of Sports Medicine</i> , 1996, 24, 137-143.	1.9	297
14	Effect of Fatigue on Knee Kinetics and Kinematics in Stop-Jump Tasks. <i>American Journal of Sports Medicine</i> , 2005, 33, 1022-1029.	1.9	290
15	Kinematics and Electromyography of Landing Preparation in Vertical Stop-Jump. <i>American Journal of Sports Medicine</i> , 2007, 35, 235-241.	1.9	271
16	Biomechanical and histological evaluation of muscle after controlled strain injury. <i>American Journal of Sports Medicine</i> , 1987, 15, 9-14.	1.9	223
17	Radiographic imaging of muscle strain injury. <i>American Journal of Sports Medicine</i> , 1993, 21, 89-96.	1.9	219
18	Osseous injury associated with acute tears of the anterior cruciate ligament. <i>American Journal of Sports Medicine</i> , 1992, 20, 382-389.	1.9	212

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19	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.	1.4	212
20	Warm-Up and Muscular Injury Prevention. <i>Sports Medicine</i> , 1989, 8, 239-249.	3.1	203
21	Biomechanical Characteristics of Human Ankle Ligaments. <i>Foot & Ankle</i> , 1985, 6, 54-58.	0.6	202
22	Instruction of Jump-Landing Technique Using Videotape Feedback. <i>American Journal of Sports Medicine</i> , 2005, 33, 831-842.	1.9	180
23	Patellofemoral Instability: Evaluation and Management. <i>Journal of the American Academy of Orthopaedic Surgeons</i> , The, 1997, 5, 47-57.	1.1	150
24	Experimental muscle strain injury. <i>American Journal of Sports Medicine</i> , 1993, 21, 190-194.	1.9	140
25	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, 733-740.	1.9	136
26	Incomplete, Intrasubstance Strain Injuries of the Rectus Femoris Muscle. <i>American Journal of Sports Medicine</i> , 1995, 23, 500-506.	1.9	130
27	Muscle Strain Injury: Diagnosis and Treatment. <i>Journal of the American Academy of Orthopaedic Surgeons</i> , The, 1999, 7, 262-269.	1.1	124
28	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.	3.3	122
29	The Effects of Feedback with and without Strength Training on Lower Extremity Biomechanics. <i>American Journal of Sports Medicine</i> , 2009, 37, 1301-1308.	1.9	121
30	Muscle Changes in Aging. <i>Sports Health</i> , 2014, 6, 36-40.	1.3	118
31	National Athletic Trainers' Association Position Statement: Prevention of Anterior Cruciate Ligament Injury. <i>Journal of Athletic Training</i> , 2018, 53, 5-19.	0.9	118
32	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, 1356-1364.	1.9	108
33	Muscle Injuries in Sports: A New Evidence-Informed and Expert Consensus-Based Classification with Clinical Application. <i>Sports Medicine</i> , 2017, 47, 1241-1253.	3.1	90
34	Gender Comparison of Patellar Tendon Tibial Shaft Angle with Weight Bearing. <i>Research in Sports Medicine</i> , 2003, 11, 173-185.	0.7	83
35	Prevention of ACL Injury, Part I: Injury Characteristics, Risk Factors, and Loading Mechanism. <i>Research in Sports Medicine</i> , 2012, 20, 180-197.	0.7	76
36	Knee Kinematics During Noncontact Anterior Cruciate Ligament Injury as Determined From Bone Bruise Location. <i>American Journal of Sports Medicine</i> , 2015, 43, 2515-2521.	1.9	76

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37	Injuries at the Myotendinous Junction. <i>Clinics in Sports Medicine</i> , 1992, 11, 783-806.	0.9	76
38	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.	3.3	72
39	In Vivo Measurement of Localized Tibiofemoral Cartilage Strains in Response to Dynamic Activity. <i>American Journal of Sports Medicine</i> , 2015, 43, 370-376.	1.9	72
40	Does adjustable-loop femoral cortical suspension loosen after anterior cruciate ligament reconstruction? A retrospective comparative study. <i>Knee</i> , 2015, 22, 304-308.	0.8	71
41	In vivo cartilage strain increases following medial meniscal tear and correlates with synovial fluid matrix metalloproteinase activity. <i>Journal of Biomechanics</i> , 2015, 48, 1461-1468.	0.9	70
42	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, 466-474.	1.9	68
43	Clinical Perspectives Regarding Eccentric Muscle Injury. <i>Clinical Orthopaedics and Related Research</i> , 2002, 403, S81-S89.	0.7	65
44	Identification of a Threshold for Skeletal Muscle Injury. <i>American Journal of Sports Medicine</i> , 1994, 22, 257-261.	1.9	57
45	A stochastic biomechanical model for risk and risk factors of non-contact anterior cruciate ligament injuries. <i>Journal of Biomechanics</i> , 2009, 42, 418-423.	0.9	54
46	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, 1648-1655.	1.9	53
47	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.	1.9	52
48	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, 1136-1143.	1.9	51
49	Effect of normal gait on in vivo tibiofemoral cartilage strains. <i>Journal of Biomechanics</i> , 2016, 49, 2870-2876.	0.9	50
50	The effects of femoral graft placement on cartilage thickness after anterior cruciate ligament reconstruction. <i>Journal of Biomechanics</i> , 2014, 47, 96-101.	0.9	48
51	Comparison of Soccer Shin Guards in Preventing Tibia Fracture. <i>American Journal of Sports Medicine</i> , 2000, 28, 227-233.	1.9	47
52	MECHANISMS OF INJURY OF THE ANTERIOR CRUCIATE LIGAMENT IN SOCCER PLAYERS. <i>Clinics in Sports Medicine</i> , 1998, 17, 779-785.	0.9	44
53	Bone Bruises Associated with Anterior Cruciate Ligament Injury as Indicators of Injury Mechanism: A Systematic Review. <i>Sports Medicine</i> , 2019, 49, 453-462.	3.1	42
54	Cost-effectiveness Analysis of the Diagnosis of Meniscus Tears. <i>American Journal of Sports Medicine</i> , 2015, 43, 128-137.	1.9	40

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55	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.	1.1	39
56	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.	1.9	38
57	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.	3.3	36
58	Biomechanical characteristics of an anterior cruciate ligament injury in javelin throwing. <i>Journal of Sport and Health Science</i> , 2015, 4, 333-340.	3.3	35
59	A New Stress Test for Knee Joint Cartilage. <i>Scientific Reports</i> , 2019, 9, 2283.	1.6	32
60	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.	3.3	32
61	Relationships among hamstring muscle optimal length and hamstring flexibility and strength. <i>Journal of Sport and Health Science</i> , 2017, 6, 275-282.	3.3	31
62	Anterior Cruciate Ligament Injuries in Female Athletes: Anatomy, Physiology, and Motor Control. <i>Sports Medicine and Arthroscopy Review</i> , 2002, 10, 58-68.	1.0	30
63	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.	0.9	30
64	Mechanism of hamstring muscle strain injury in sprinting. <i>Journal of Sport and Health Science</i> , 2017, 6, 130-132.	3.3	27
65	The effect of hamstring flexibility on peak hamstring muscle strain in sprinting. <i>Journal of Sport and Health Science</i> , 2017, 6, 283-289.	3.3	27
66	Changes in Landing Mechanics in Patients Following Anterior Cruciate Ligament Reconstruction When Wearing an Extension Constraint Knee Brace. <i>Sports Health</i> , 2014, 6, 203-209.	1.3	26
67	Letter to the Editor. <i>American Journal of Sports Medicine</i> , 2005, 33, 1106-1107.	1.9	25
68	The influence of gender-specific loading patterns of the stop-jump task on anterior cruciate ligament strain. <i>Injury</i> , 2007, 38, 973-978.	0.7	23
69	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.	1.9	23
70	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.	0.9	20
71	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.	1.9	20
72	Activities of daily living influence tibial cartilage T1rho relaxation times. <i>Journal of Biomechanics</i> , 2019, 82, 228-233.	0.9	20

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73	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, 158-165.	0.3	19
74	Effects of a Knee Extension Constraint Brace on Lower Extremity Movements after ACL Reconstruction. <i>Clinical Orthopaedics and Related Research</i> , 2011, 469, 1774-1780.	0.7	19
75	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.	0.9	19
76	Lower Extremity Movement Differences Persist After Anterior Cruciate Ligament Reconstruction and When Returning to Sports. <i>Clinical Journal of Sport Medicine</i> , 2016, 26, 411-416.	0.9	17
77	Management of the Retired Athlete with Osteoarthritis of the Knee. <i>Cartilage</i> , 2012, 3, 69S-76S.	1.4	16
78	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.	0.9	16
79	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, 1060-1070.	1.3	14
80	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.	0.9	12
81	The Trapped Medial Meniscus Tear. <i>Orthopaedic Journal of Sports Medicine</i> , 2015, 3, 232596711558395.	0.8	11
82	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, 979-986.	1.9	10
83	Medial Patellofemoral Ligament Reconstruction Using a Femoral Loop Button Fixation Technique. <i>Arthroscopy Techniques</i> , 2015, 4, e601-e607.	0.5	10
84	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-e113.	0.5	8
85	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.	3.3	8
86	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, 089-092.	0.9	7
87	CSM 2007 Orthopaedic Section Platform Presentations (Abstracts OPL1-OPL64). <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2007, 37, A10-A35.	1.7	6
88	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.	1.9	6
89	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.	1.3	4
90	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, 232596711880771.	0.8	3

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91	Mechanisms of Noncontact Anterior Cruciate Ligament Injuries. , 2018, , 16-19.e2.		3
92	Rehabilitation of Muscle Injuries. , 2001, , 185-193.		3
93	Editorial Commentary: When Is Too Small, Too Small? Allograft Augmentation of Autologous Hamstring Grafts During Anterior Cruciate Ligament Reconstruction. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2018, 34, 1517-1519.	1.3	2
94	Relative Age Effect: Beyond the Youth Phenomenon. American Journal of Lifestyle Medicine, 2020, 14, 429-436.	0.8	2
95	Cold Gel Reduced Pain and Disability in Minor Soft-Tissue Injury. Journal of Bone and Joint Surgery - Series A, 2004, 86, 1101.	1.4	2
96	Presidential Address of the American Orthopaedic Society for Sports Medicine. American Journal of Sports Medicine, 2004, 32, 1822-1824.	1.9	1
97	Enthesopathy of the Distal Biceps Femoris Tendon Insertion: An Unusual Case of Posterolateral Knee Pain. JBJS Case Connector, 2012, 2, e28.	0.1	1
98	Muscle-Tendon Junction Injury. , 2017, , 51-60.		0
99	Mechanisms of Noncontact Anterior Cruciate Ligament Injuries. , 2008, , 12-17.		0
100	Gender-specific Lower Extremity Kinematic Differences in Collegiate Soccer Athletes during Three Kicking Tasks. The Duke Orthopaedic Journal, 2018, 8, 55-60.	0.0	0
101	A Rare Technical Complication Causing ACL Graft Failure: Aberrant Femoral Tunnel Trajectory and Posterolateral Corner Compromise: A Case Report. JBJS Case Connector, 2013, 3, e731-4.	0.1	0