William E Garrett

List of Publications by Year in descending order

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101 papers	12,835 citations	41344 49 h-index	36028 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. Orthopedics, 2000, 23, 573-578.	1.1	1,176
2	Noncontact Anterior Cruciate Ligament Injuries: Risk Factors and Prevention Strategies. Journal of the American Academy of Orthopaedic Surgeons, The, 2000, 8, 141-150.	2.5	1,063
3	Understanding and Preventing Noncontact Anterior Cruciate Ligament Injuries. American Journal of Sports Medicine, 2006, 34, 1512-1532.	4.2	784
4	A comparison of knee joint motion patterns between men and women in selected athletic tasks. Clinical Biomechanics, 2001, 16, 438-445.	1.2	618
5	Viscoelastic properties of muscle-tendon units. American Journal of Sports Medicine, 1990, 18, 300-309.	4.2	614
6	Acute Dislocation of the Patella. American Journal of Sports Medicine, 1996, 24, 52-60.	4.2	504
7	The Landing Error Scoring System (LESS) Is a Valid and Reliable Clinical Assessment Tool of Jump-Landing Biomechanics. American Journal of Sports Medicine, 2009, 37, 1996-2002.	4.2	485
8	Muscle Strain Injuries. American Journal of Sports Medicine, 1996, 24, S2-S8.	4.2	464
9	A Comparison of Knee Kinetics between Male and Female Recreational Athletes in Stop-Jump Tasks. American Journal of Sports Medicine, 2002, 30, 261-267.	4.2	412
10	Mechanisms of non-contact ACL injuries. British Journal of Sports Medicine, 2007, 41, i47-i51.	6.7	336
11	Lower extremity biomechanics during the landing of a stop-jump task. Clinical Biomechanics, 2006, 21, 297-305.	1.2	329
12	Management of Severe Lower Abdominal or Inguinal Pain in High-Performance Athletes. American Journal of Sports Medicine, 2000, 28, 2-8.	4.2	313
13	The Role of Fatigue in Susceptibility to Acute Muscle Strain Injury. American Journal of Sports Medicine, 1996, 24, 137-143.	4.2	297
14	Effect of Fatigue on Knee Kinetics and Kinematics in Stop-Jump Tasks. American Journal of Sports Medicine, 2005, 33, 1022-1029.	4.2	290
15	Kinematics and Electromyography of Landing Preparation in Vertical Stop-Jump. American Journal of Sports Medicine, 2007, 35, 235-241.	4.2	271
16	Biomechanical and histological evaluation of muscle after controlled strain injury. American Journal of Sports Medicine, 1987, 15, 9-14.	4.2	223
17	Radiographic imaging of muscle strain injury. American Journal of Sports Medicine, 1993, 21, 89-96.	4.2	219
18	Osseous injury associated with acute tears of the anterior cruciate ligament. American Journal of Sports Medicine, 1992, 20, 382-389.	4.2	212

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19	American Board of Orthopaedic Surgery Practice of the Orthopaedic Surgeon: Part-II, Certification Examination Case Mix. Journal of Bone and Joint Surgery - Series A, 2006, 88, 660.	3.0	212
20	Warm-Up and Muscular Injury Prevention. Sports Medicine, 1989, 8, 239-249.	6.5	203
21	Biomechanical Characteristics of Human Ankle Ligaments. Foot & Ankle, 1985, 6, 54-58.	0.7	202
22	Instruction of Jump-Landing Technique Using Videotape Feedback. American Journal of Sports Medicine, 2005, 33, 831-842.	4.2	180
23	Patellofemoral Instability: Evaluation and Management. Journal of the American Academy of Orthopaedic Surgeons, The, 1997, 5, 47-57.	2.5	150
24	Experimental muscle strain injury. American Journal of Sports Medicine, 1993, 21, 190-194.	4.2	140
25	The Effects of Strength Training on the Lower Extremity Biomechanics of Female Recreational Athletes during a Stop-Jump Task. American Journal of Sports Medicine, 2008, 36, 733-740.	4.2	136
26	Incomplete, Intrasubstance Strain Injuries of the Rectus Femoris Muscle. American Journal of Sports Medicine, 1995, 23, 500-506.	4.2	130
27	Muscle Strain Injury: Diagnosis and Treatment. Journal of the American Academy of Orthopaedic Surgeons, The, 1999, 7, 262-269.	2.5	124
28	Injury rate, mechanism, and risk factors of hamstring strain injuries in sports: A review of the literature. Journal of Sport and Health Science, 2012, 1, 92-101.	6.5	122
29	The Effects of Feedback with and without Strength Training on Lower Extremity Biomechanics. American Journal of Sports Medicine, 2009, 37, 1301-1308.	4.2	121
30	Muscle Changes in Aging. Sports Health, 2014, 6, 36-40.	2.7	118
31	National Athletic Trainers' Association Position Statement: Prevention of Anterior Cruciate Ligament Injury. Journal of Athletic Training, 2018, 53, 5-19.	1.8	118
32	Age and Gender Effects on Lower Extremity Kinematics of Youth Soccer Players in a Stop-Jump Task. American Journal of Sports Medicine, 2005, 33, 1356-1364.	4.2	108
33	Muscle Injuries in Sports: A New Evidence-Informed and Expert Consensus-Based Classification with Clinical Application. Sports Medicine, 2017, 47, 1241-1253.	6.5	90
34	Gender Comparison of Patellar Tendon Tibial Shaft Angle with Weight Bearing. Research in Sports Medicine, 2003, 11, 173-185.	1.3	83
35	Prevention of ACL Injury, Part I: Injury Characteristics, Risk Factors, and Loading Mechanism. Research in Sports Medicine, 2012, 20, 180-197.	1.3	76
36	Knee Kinematics During Noncontact Anterior Cruciate Ligament Injury as Determined From Bone Bruise Location. American Journal of Sports Medicine, 2015, 43, 2515-2521.	4.2	76

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37	Injuries at the Myotendinous Junction. Clinics in Sports Medicine, 1992, 11, 783-806.	1.8	76
38	Anterior cruciate ligament injuries in soccer: Loading mechanisms, risk factors, and prevention programs. Journal of Sport and Health Science, 2014, 3, 299-306.	6.5	72
39	In Vivo Measurement of Localized Tibiofemoral Cartilage Strains in Response to Dynamic Activity. American Journal of Sports Medicine, 2015, 43, 370-376.	4.2	72
40	Does adjustable-loop femoral cortical suspension loosen after anterior cruciate ligament reconstruction? A retrospective comparative study. Knee, 2015, 22, 304-308.	1.6	71
41	In vivo cartilage strain increases following medial meniscal tear and correlates with synovial fluid matrix metalloproteinase activity. Journal of Biomechanics, 2015, 48, 1461-1468.	2.1	70
42	The Effects of 2 Landing Techniques on Knee Kinematics, Kinetics, and Performance During Stop-Jump and Side-Cutting Tasks. American Journal of Sports Medicine, 2015, 43, 466-474.	4.2	68
43	Clinical Perspectives Regarding Eccentric Muscle Injury. Clinical Orthopaedics and Related Research, 2002, 403, S81-S89.	1.5	65
44	Identification of a Threshold for Skeletal Muscle Injury. American Journal of Sports Medicine, 1994, 22, 257-261.	4.2	57
45	A stochastic biomechanical model for risk and risk factors of non-contact anterior cruciate ligament injuries. Journal of Biomechanics, 2009, 42, 418-423.	2.1	54
46	Functional Testing Differences in Anterior Cruciate Ligament Reconstruction Patients Released Versus Not Released to Return to Sport. American Journal of Sports Medicine, 2015, 43, 1648-1655.	4.2	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. American Journal of Sports Medicine, 2018, 46, 1559-1565.	4.2	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. American Journal of Sports Medicine, 2004, 32, 1136-1143.	4.2	51
49	Effect of normal gait on in vivo tibiofemoral cartilage strains. Journal of Biomechanics, 2016, 49, 2870-2876.	2.1	50
50	The effects of femoral graft placement on cartilage thickness after anterior cruciate ligament reconstruction. Journal of Biomechanics, 2014, 47, 96-101.	2.1	48
51	Comparison of Soccer Shin Guards in Preventing Tibia Fracture. American Journal of Sports Medicine, 2000, 28, 227-233.	4.2	47
52	MECHANISMS OF INJURY OF THE ANTERIOR CRUCIATE LIGAMENT IN SOCCER PLAYERS. Clinics in Sports Medicine, 1998, 17, 779-785.	1.8	44
53	Bone Bruises Associated with Anterior Cruciate Ligament Injury as Indicators of Injury Mechanism: A Systematic Review. Sports Medicine, 2019, 49, 453-462.	6.5	42
54	Cost-effectiveness Analysis of the Diagnosis of Meniscus Tears. American Journal of Sports Medicine, 2015, 43, 128-137.	4.2	40

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55	Matrix metalloproteinase activity and prostaglandin E2 are elevated in the synovial fluid of meniscus tear patients. Connective Tissue Research, 2017, 58, 305-316.	2.3	39
56	In Vivo Anterior Cruciate Ligament Deformation During a Single-Legged Jump Measured by Magnetic Resonance Imaging and High-Speed Biplanar Radiography. American Journal of Sports Medicine, 2019, 47, 3166-3172.	4.2	38
57	Biomechanical risk factors of non-contact ACL injuries: A stochastic biomechanical modeling study. Journal of Sport and Health Science, 2012, 1, 36-42.	6.5	36
58	Biomechanical characteristics of an anterior cruciate ligament injury in javelin throwing. Journal of Sport and Health Science, 2015, 4, 333-340.	6.5	35
59	A New Stress Test for Knee Joint Cartilage. Scientific Reports, 2019, 9, 2283.	3.3	32
60	The effect of performance demands on lower extremity biomechanics during landing and cutting tasks. Journal of Sport and Health Science, 2019, 8, 228-234.	6.5	32
61	Relationships among hamstring muscle optimal length and hamstring flexibility and strength. Journal of Sport and Health Science, 2017, 6, 275-282.	6.5	31
62	Anterior Cruciate Ligament Injuries in Female Athletes: Anatomy, Physiology, and Motor Control. Sports Medicine and Arthroscopy Review, 2002, 10, 58-68.	2.3	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. Journal of Biomechanics, 2020, 98, 109443.	2.1	30
64	Mechanism of hamstring muscle strain injury in sprinting. Journal of Sport and Health Science, 2017, 6, 130-132.	6.5	27
65	The effect of hamstring flexibility on peak hamstring muscle strain in sprinting. Journal of Sport and Health Science, 2017, 6, 283-289.	6.5	27
66	Changes in Landing Mechanics in Patients Following Anterior Cruciate Ligament Reconstruction When Wearing an Extension Constraint Knee Brace. Sports Health, 2014, 6, 203-209.	2.7	26
67	Letter to the Editor. American Journal of Sports Medicine, 2005, 33, 1106-1107.	4.2	25
68	The influence of gender-specific loading patterns of the stop-jump task on anterior cruciate ligament strain. Injury, 2007, 38, 973-978.	1.7	23
69	Effects of Anterior Cruciate Ligament Deficiency on Tibiofemoral Cartilage Thickness and Strains in Response to Hopping. American Journal of Sports Medicine, 2019, 47, 96-103.	4.2	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. Journal of Biomechanics, 2018, 81, 36-44.	2.1	20
71	Effects of an Intervention Program on Lower Extremity Biomechanics in Stop-Jump and Side-Cutting Tasks. American Journal of Sports Medicine, 2018, 46, 3014-3022.	4.2	20
72	Activities of daily living influence tibial cartilage T1rho relaxation times. Journal of Biomechanics, 2019, 82, 228-233.	2.1	20

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73	Effects of a Knee Extension Constraint Brace on Selected Lower Extremity Motion Patterns during a Stop-Jump Task. Journal of Applied Biomechanics, 2008, 24, 158-165.	0.8	19
74	Effects of a Knee Extension Constraint Brace on Lower Extremity Movements after ACL Reconstruction. Clinical Orthopaedics and Related Research, 2011, 469, 1774-1780.	1.5	19
75	A comparison of patellofemoral cartilage morphology and deformation in anterior cruciate ligament deficient versus uninjured knees. Journal of Biomechanics, 2018, 67, 78-83.	2.1	19
76	Lower Extremity Movement Differences Persist After Anterior Cruciate Ligament Reconstruction and When Returning to Sports. Clinical Journal of Sport Medicine, 2016, 26, 411-416.	1.8	17
77	Management of the Retired Athlete with Osteoarthritis of the Knee. Cartilage, 2012, 3, 69S-76S.	2.7	16
78	In vivo assessment of the interaction of patellar tendon tibial shaft angle and anterior cruciate ligament elongation during flexion. Journal of Biomechanics, 2019, 90, 123-127.	2.1	16
79	Novel Drug OMS103HP Reduces Pain and Improves Joint Motion and Function for 90 Days After Arthroscopic Meniscectomy. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2011, 27, 1060-1070.	2.7	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. Journal of Knee Surgery, 2016, 29, 604-612.	1.6	12
81	The Trapped Medial Meniscus Tear. Orthopaedic Journal of Sports Medicine, 2015, 3, 232596711558395.	1.7	11
82	Effects of Knee Extension Constraint Training on Knee Flexion Angle and Peak Impact Ground-Reaction Force. American Journal of Sports Medicine, 2014, 42, 979-986.	4.2	10
83	Medial Patellofemoral Ligament Reconstruction Using a Femoral Loop Button Fixation Technique. Arthroscopy Techniques, 2015, 4, e601-e607.	1.3	10
84	Direct Visualization of Existing Footprint and Outside-In Drilling of the Femoral Tunnel in Anterior Cruciate Ligament Reconstruction in the Knee. Arthroscopy Techniques, 2015, 4, e107-e113.	1.3	8
85	Comment on â€œThe late swing and early stance of sprinting are most hazardous for hamstring injuriesâ€• by Liu et al.. Journal of Sport and Health Science, 2017, 6, 137-138.	6.5	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. Journal of Knee Surgery, 2014, 27, 089-092.	1.6	7
87	CSM 2007 Orthopaedic Section Platform Presentations (Abstracts OPL1-OPL64). Journal of Orthopaedic and Sports Physical Therapy, 2007, 37, A10-A35.	3.5	6
88	Reconsidering Reciprocal Length Patterns of the Anteromedial and Posterolateral Bundles of the Anterior Cruciate Ligament During In Vivo Gait. American Journal of Sports Medicine, 2020, 48, 1893-1899.	4.2	6
89	Are Weightbearing Restrictions Required After Microfracture for Isolated Chondral Lesions of the Knee? A Review of the Basic Science and Clinical Literature. Sports Health, 2021, 13, 111-115.	2.7	4
90	Advanced Patellar Tendinopathy Is Associated With Increased Rates of Boneâ€“Patellar Tendonâ€“Bone Autograft Failure at Early Follow-up After Anterior Cruciate Ligament Reconstruction. Orthopaedic Journal of Sports Medicine, 2018, 6, 232596711880771.	1.7	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.	2.7	2
94	Relative Age Effect: Beyond the Youth Phenomenon. American Journal of Lifestyle Medicine, 2020, 14, 429-436.	1.9	2
95	Cold Gel Reduced Pain and Disability in Minor Soft-Tissue Injury. Journal of Bone and Joint Surgery - Series A, 2004, 86, 1101.	3.0	2
96	Presidential Address of the American Orthopaedic Society for Sports Medicine. American Journal of Sports Medicine, 2004, 32, 1822-1824.	4.2	1
97	Enthesopathy of the Distal Biceps Femoris Tendon Insertion: An Unusual Case of Posterolateral Knee Pain. JBJS Case Connector, 2012, 2, e28.	0.3	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.	0.3	0