Gregory D Myer

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

386 papers	24,425 citations	79 h-index	146 g-index
407 ext. papers	27,928 ext. citations	3.8 avg, IF	7.2 L-index

#	Paper	IF	Citations
386	Biomechanical measures of neuromuscular control and valgus loading of the knee predict anterior cruciate ligament injury risk in female athletes: a prospective study. *American Journal of Sports Medicine*, **2005**, 33, 492-501	6.8	2400
385	Biomechanical measures during landing and postural stability predict second anterior cruciate ligament injury after anterior cruciate ligament reconstruction and return to sport. *American Journal of Sports Medicine*, **2010**, 38, 1968-78	6.8	809
384	Anterior cruciate ligament injuries in female athletes: Part 1, mechanisms and risk factors. *American Journal of Sports Medicine*, **2006**, 34, 299-311	6.8	627
383	Valgus knee motion during landing in high school female and male basketball players. *Medicine and Science in Sports and Exercise*, **2003**, 35, 1745-50	1.2	624
382	Risk of Secondary Injury in Younger Athletes After Anterior Cruciate Ligament Reconstruction: A Systematic Review and Meta-analysis. *American Journal of Sports Medicine*, **2016**, 44, 1861-76	6.8	541
381	Prevention of non-contact anterior cruciate ligament injuries in soccer players. Part 1: Mechanisms of injury and underlying risk factors. *Knee Surgery, Sports Traumatology, Arthroscopy*, **2009**, 17, 705-29	5.5	517
380	Anterior cruciate ligament injuries in female athletes: Part 2, a meta-analysis of neuromuscular interventions aimed at injury prevention. *American Journal of Sports Medicine*, **2006**, 34, 490-8	6.8	469
379	Decrease in neuromuscular control about the knee with maturation in female athletes. *Journal of Bone and Joint Surgery - Series A*, **2004**, 86, 1601-8	5.6	355
378	Rehabilitation after anterior cruciate ligament reconstruction: criteria-based progression through the return-to-sport phase. *Journal of Orthopaedic and Sports Physical Therapy*, **2006**, 36, 385-402	4.2	340
377	The effects of plyometric versus dynamic stabilization and balance training on lower extremity biomechanics. *American Journal of Sports Medicine*, **2006**, 34, 445-55	6.8	323
376	Neuromuscular training improves performance and lower-extremity biomechanics in female athletes. *Journal of Strength and Conditioning Research*, **2005**, 19, 51-60	3.2	316
375	Limb asymmetries in landing and jumping 2 years following anterior cruciate ligament reconstruction. *Clinical Journal of Sport Medicine*, **2007**, 17, 258-62	3.2	293
374	Current concepts for injury prevention in athletes after anterior cruciate ligament reconstruction. *American Journal of Sports Medicine*, **2013**, 41, 216-24	6.8	257
373	The relationship of hamstrings and quadriceps strength to anterior cruciate ligament injury in female athletes. *Clinical Journal of Sport Medicine*, **2009**, 19, 3-8	3.2	254
372	Position statement on youth resistance training: the 2014 International Consensus. *British Journal of Sports Medicine*, **2014**, 48, 498-505	10.3	252
371	The effects of generalized joint laxity on risk of anterior cruciate ligament injury in young female athletes. *American Journal of Sports Medicine*, **2008**, 36, 1073-80	6.8	251
370	Gender Differences in the Kinematics of Unanticipated Cutting in Young Athletes. *Medicine and Science in Sports and Exercise*, **2005**, 37, 124-129	1.2	240

369	The influence of age on the effectiveness of neuromuscular training to reduce anterior cruciate ligament injury in female athletes: a meta-analysis. *American Journal of Sports Medicine*, **2013**, 41, 203-15	6.8	226
368	Strategies for enhancing proprioception and neuromuscular control of the knee. *Clinical Orthopaedics and Related Research*, **2002**, 76-94	2.2	212
367	Maturation leads to gender differences in landing force and vertical jump performance: a longitudinal study. *American Journal of Sports Medicine*, **2006**, 34, 806-13	6.8	209
366	Differential neuromuscular training effects on ACL injury risk factors in"high-risk" versus "low-risk" athletes. *BMC Musculoskeletal Disorders*, **2007**, 8, 39	2.8	208
365	Prevention of non-contact anterior cruciate ligament injuries in soccer players. Part 2: a review of prevention programs aimed to modify risk factors and to reduce injury rates. *Knee Surgery, Sports Traumatology, Arthroscopy*, **2009**, 17, 859-79	5.5	204
364	The incidence and potential pathomechanics of patellofemoral pain in female athletes. *Clinical Biomechanics*, **2010**, 25, 700-7	2.2	200
363	Sport Specialization, Part I: Does Early Sports Specialization Increase Negative Outcomes and Reduce the Opportunity for Success in Young Athletes?. *Sports Health*, **2015**, 7, 437-42	4.7	196
362	Neuromuscular training improves performance on the star excursion balance test in young female athletes. *Journal of Orthopaedic and Sports Physical Therapy*, **2010**, 40, 551-8	4.2	196
361	The effects of plyometric vs. dynamic stabilization and balance training on power, balance, and landing force in female athletes. *Journal of Strength and Conditioning Research*, **2006**, 20, 345-53	3.2	193
360	Strength Asymmetry and Landing Mechanics at Return to Sport after Anterior Cruciate Ligament Reconstruction. *Medicine and Science in Sports and Exercise*, **2015**, 47, 1426-34	1.2	185
359	Longitudinal sex differences during landing in knee abduction in young athletes. *Medicine and Science in Sports and Exercise*, **2010**, 42, 1923-31	1.2	182
358	Utilization of modified NFL combine testing to identify functional deficits in athletes following ACL reconstruction. *Journal of Orthopaedic and Sports Physical Therapy*, **2011**, 41, 377-87	4.2	178
357	The mechanistic connection between the trunk, hip, knee, and anterior cruciate ligament injury. *Exercise and Sport Sciences Reviews*, **2011**, 39, 161-6	6.7	176
356	Reliability of landing 3D motion analysis: implications for longitudinal analyses. *Medicine and Science in Sports and Exercise*, **2007**, 39, 2021-8	1.2	176
355	National Strength and Conditioning Association Position Statement on Long-Term Athletic Development. *Journal of Strength and Conditioning Research*, **2016**, 30, 1491-509	3.2	175
354	AOSSM Early Sport Specialization Consensus Statement. *Orthopaedic Journal of Sports Medicine*, **2016**, 4, 2325967116644241	3.5	169
353	High knee abduction moments are common risk factors for patellofemoral pain (PFP) and anterior cruciate ligament (ACL) injury in girls: is PFP itself a predictor for subsequent ACL injury?. *British Journal of Sports Medicine*, **2015**, 49, 118-22	10.3	164
352	Trunk and hip control neuromuscular training for the prevention of knee joint injury. *Clinics in Sports Medicine*, **2008**, 27, 425-48, ix	2.6	164

351	Effects of the menstrual cycle on anterior cruciate ligament injury risk: a systematic review. *American Journal of Sports Medicine*, **2007**, 35, 659-68	6.8	161
350	The effects of gender on quadriceps muscle activation strategies during a maneuver that mimics a high ACL injury risk position. *Journal of Electromyography and Kinesiology*, **2005**, 15, 181-9	2.5	155
349	When to initiate integrative neuromuscular training to reduce sports-related injuries and enhance health in youth?. *Current Sports Medicine Reports*, **2011**, 10, 155-66	1.9	153
348	Rationale and Clinical Techniques for Anterior Cruciate Ligament Injury Prevention Among Female Athletes. *Journal of Athletic Training*, **2004**, 39, 352-364	4	151
347	Sport specialization's association with an increased risk of developing anterior knee pain in adolescent female athletes. *Journal of Sport Rehabilitation*, **2015**, 24, 31-5	1.7	150
346	A comparison of dynamic coronal plane excursion between matched male and female athletes when performing single leg landings. *Clinical Biomechanics*, **2006**, 21, 33-40	2.2	148
345	Outcomes After Isolated Medial Patellofemoral Ligament Reconstruction for the Treatment of Recurrent Lateral Patellar Dislocations: A Systematic Review and Meta-analysis. *American Journal of Sports Medicine*, **2016**, 44, 2993-3005	6.8	146
344	Development and validation of a clinic-based prediction tool to identify female athletes at high risk for anterior cruciate ligament injury. *American Journal of Sports Medicine*, **2010**, 38, 2025-33	6.8	143
343	Chronological age vs. biological maturation: implications for exercise programming in youth. *Journal of Strength and Conditioning Research*, **2014**, 28, 1454-64	3.2	138
342	Hamstrings to quadriceps peak torque ratios diverge between sexes with increasing isokinetic angular velocity. *Journal of Science and Medicine in Sport*, **2008**, 11, 452-9	4.4	138
341	The healing potential of stable juvenile osteochondritis dissecans knee lesions. *Journal of Bone and Joint Surgery - Series A*, **2008**, 90, 2655-64	5.6	136
340	Reducing knee and anterior cruciate ligament injuries among female athletes: a systematic review of neuromuscular training interventions. *Journal of Knee Surgery*, **2005**, 18, 82-8	2.4	135
339	No association of time from surgery with functional deficits in athletes after anterior cruciate ligament reconstruction: evidence for objective return-to-sport criteria. *American Journal of Sports Medicine*, **2012**, 40, 2256-63	6.8	130
338	Specific exercise effects of preventive neuromuscular training intervention on anterior cruciate ligament injury risk reduction in young females: meta-analysis and subgroup analysis. *British Journal of Sports Medicine*, **2015**, 49, 282-9	10.3	129
337	Evaluation of the effectiveness of neuromuscular training to reduce anterior cruciate ligament injury in female athletes: a critical review of relative risk reduction and numbers-needed-to-treat analyses. *British Journal of Sports Medicine*, **2012**, 46, 979-88	10.3	129
336	Compliance with neuromuscular training and anterior cruciate ligament injury risk reduction in female athletes: a meta-analysis. *Journal of Athletic Training*, **2012**, 47, 714-23	4	129
335	Sports Specialization, Part II: Alternative Solutions to Early Sport Specialization in Youth Athletes. *Sports Health*, **2016**, 8, 65-73	4.7	128
334	The effects of gender and pubertal status on generalized joint laxity in young athletes. *Journal of Science and Medicine in Sport*, **2008**, 11, 257-63	4.4	128

333	Neuromuscular training to target deficits associated with second anterior cruciate ligament injury. *Journal of Orthopaedic and Sports Physical Therapy*, **2013**, 43, 777-792, A1-11	4.2	125
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330	Gender differences in the kinematics of unanticipated cutting in young athletes. *Medicine and Science in Sports and Exercise*, **2005**, 37, 124-9	1.2	120
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328	Understanding and preventing acl injuries: current biomechanical and epidemiologic considerations - update 2010. *North American Journal of Sports Physical Therapy: NAJSPT*, **2010**, 5, 234-51		113
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317	The back squat: A proposed assessment of functional deficits and technical factors that limit performance. *Strength and Conditioning Journal*, **2014**, 36, 4-27	2	96
316	New method to identify athletes at high risk of ACL injury using clinic-based measurements and freeware computer analysis. *British Journal of Sports Medicine*, **2011**, 45, 238-44	10.3	90

315	Comparison of in-shoe foot loading patterns on natural grass and synthetic turf. *Journal of Science and Medicine in Sport*, **2006**, 9, 433-40	4.4	90
314	Impact differences in ground reaction force and center of mass between the first and second landing phases of a drop vertical jump and their implications for injury risk assessment. *Journal of Biomechanics*, **2013**, 46, 1237-41	2.9	87
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308	Plyometric exercise in the rehabilitation of athletes: physiological responses and clinical application. *Journal of Orthopaedic and Sports Physical Therapy*, **2006**, 36, 308-19	4.2	79
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305	Critical components of neuromuscular training to reduce ACL injury risk in female athletes: meta-regression analysis. *British Journal of Sports Medicine*, **2016**, 50, 1259-1266	10.3	76
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300	Rectus femoris muscle injuries in football: a clinically relevant review of mechanisms of injury, risk factors and preventive strategies. *British Journal of Sports Medicine*, **2013**, 47, 359-66	10.3	72
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298	Citius, Altius, Fortius: beneficial effects of resistance training for young athletes: Narrative review. *British Journal of Sports Medicine*, **2016**, 50, 3-7	10.3	71

297	Video Analysis Verification of Head Impact Events Measured by Wearable Sensors. *American Journal of Sports Medicine*, **2017**, 45, 2379-2387	6.8	69
296	Epidemiology of injuries in professional football: a systematic review and meta-analysis. *British Journal of Sports Medicine*, **2020**, 54, 711-718	10.3	69
295	Prevention of anterior cruciate ligament injuries in sports. Part I: systematic review of risk factors in male athletes. *Knee Surgery, Sports Traumatology, Arthroscopy*, **2014**, 22, 3-15	5.5	68
294	Use of an overhead goal alters vertical jump performance and biomechanics. *Journal of Strength and Conditioning Research*, **2005**, 19, 394-9	3.2	67
293	Evidence-Based Best-Practice Guidelines for Preventing Anterior Cruciate Ligament Injuries in Young Female Athletes: A Systematic Review and Meta-analysis. *American Journal of Sports Medicine*, **2019**, 47, 1744-1753	6.8	66
292	Sex-specific differences in the severity of symptoms and recovery rate following sports-related concussion in young athletes. *Physician and Sportsmedicine*, **2013**, 41, 58-63	2.4	66
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289	Neuromuscular Risk Factors for Knee and Ankle Ligament Injuries in Male Youth Soccer Players. *Sports Medicine*, **2016**, 46, 1059-66	10.6	63
288	The Effects of Isolated and Integrated Core Stability Training on Athletic Performance Measures. *Sports Medicine*, **2012**, 42, 697-706	10.6	62
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286	Long-term athletic development, part 2: barriers to success and potential solutions. *Journal of Strength and Conditioning Research*, **2015**, 29, 1451-64	3.2	61
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283	Exercise deficit disorder in youth: play now or pay later. *Current Sports Medicine Reports*, **2012**, 11, 196-200	1.9	59
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280	Differences in neuromuscular strategies between landing and cutting tasks in female basketball and soccer athletes. *Journal of Athletic Training*, **2006**, 41, 67-73	4	56

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277	Methodological approaches and rationale for training to prevent anterior cruciate ligament injuries in female athletes. *Scandinavian Journal of Medicine and Science in Sports*, **2004**, 14, 275-85	4.6	53
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275	An audit of injuries in six english professional soccer academies. *Journal of Sports Sciences*, **2018**, 36, 1542-1548	3.6	52
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273	Anterior cruciate ligament biomechanics during robotic and mechanical simulations of physiologic and clinical motion tasks: a systematic review and meta-analysis. *Clinical Biomechanics*, **2015**, 30, 1-13	2.2	50
272	Intra and inter-tester reliability of the tuck jump assessment. *Physical Therapy in Sport*, **2013**, 14, 152-5	3	50
271	Longitudinal Increases in Knee Abduction Moments in Females during Adolescent Growth. *Medicine and Science in Sports and Exercise*, **2015**, 47, 2579-85	1.2	50
270	Anterior Cruciate Ligament Injury Risk in Sport: A Systematic Review and Meta-Analysis of Injury Incidence by Sex and Sport Classification. *Journal of Athletic Training*, **2019**, 54, 472-482	4	49
269	The 'impact' of force filtering cut-off frequency on the peak knee abduction moment during landing: artefact or 'artifiction'?. *British Journal of Sports Medicine*, **2014**, 48, 464-8	10.3	49
268	Integrative training for children and adolescents: techniques and practices for reducing sports-related injuries and enhancing athletic performance. *Physician and Sportsmedicine*, **2011**, 39, 74-84	2.4	49
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266	The effect of sex and age on isokinetic hip-abduction torques. *Journal of Sport Rehabilitation*, **2013**, 22, 41-6	1.7	45
265	Expected prevalence from the differential diagnosis of anterior knee pain in adolescent female athletes during preparticipation screening. *Journal of Athletic Training*, **2012**, 47, 519-24	4	45
264	The Effects of Injury Prevention Programs on the Biomechanics of Landing Tasks: A Systematic Review With Meta-analysis. *American Journal of Sports Medicine*, **2018**, 46, 1492-1499	6.8	45
263	Current state of concussion prevention strategies: a systematic review and meta-analysis of prospective, controlled studies. *British Journal of Sports Medicine*, **2017**, 51, 1473-1482	10.3	44
262	Effects of task-specific augmented feedback on deficit modification during performance of the tuck-jump exercise. *Journal of Sport Rehabilitation*, **2013**, 22, 7-18	1.7	44

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260	Cartilage pressure distributions provide a footprint to define female anterior cruciate ligament injury mechanisms. *American Journal of Sports Medicine*, **2011**, 39, 1706-13	6.8	44
259	Longitudinal assessment of noncontact anterior cruciate ligament injury risk factors during maturation in a female athlete: a case report. *Journal of Athletic Training*, **2009**, 44, 101-9	4	44
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255	Prevention of non-contact anterior cruciate ligament injuries in sports. Part II: systematic review of the effectiveness of prevention programmes in male athletes. *Knee Surgery, Sports Traumatology, Arthroscopy*, **2014**, 22, 16-25	5.5	43
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250	Biomechanical and neuromuscular characteristics of male athletes: implications for the development of anterior cruciate ligament injury prevention programs. *Sports Medicine*, **2015**, 45, 809-22	10.6	40
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240	Injury initiates unfavourable weight gain and obesity markers in youth. *British Journal of Sports Medicine*, **2014**, 48, 1477-81	10.3	36
239	Integrative neuromuscular training and sex-specific fitness performance in 7-year-old children: an exploratory investigation. *Journal of Athletic Training*, **2014**, 49, 145-53	4	36
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237	Outcomes and Complications After All-Epiphyseal Anterior Cruciate Ligament Reconstruction in Skeletally Immature Patients. *Orthopaedic Journal of Sports Medicine*, **2017**, 5, 2325967117693604	3.5	35
236	An integrated approach to change the outcome part I: neuromuscular screening methods to identify high ACL injury risk athletes. *Journal of Strength and Conditioning Research*, **2012**, 26, 2265-71	3.2	35
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234	Knee Abduction Affects Greater Magnitude of Change in ACL and MCL Strains Than Matched Internal Tibial Rotation In Vitro. *Clinical Orthopaedics and Related Research*, **2017**, 475, 2385-2396	2.2	34
233	Relative strain in the anterior cruciate ligament and medial collateral ligament during simulated jump landing and sidestep cutting tasks: implications for injury risk. *American Journal of Sports Medicine*, **2015**, 43, 2259-69	6.8	34
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229	Prevention of overuse sports injuries in the young athlete. *Orthopedic Clinics of North America*, **2013**, 44, 553-64	3.5	33
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