

# Ryan L Mizner

## List of Publications by Year in descending order

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35  
papers

3,563  
citations

304743

22  
h-index

361022

35  
g-index

35  
all docs

35  
docs citations

35  
times ranked

2235  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quadriceps Strength and the Time Course of Functional Recovery After Total Knee Arthroplasty. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2005, 35, 424-436.	3.5	441
2	Early Quadriceps Strength Loss After Total Knee Arthroplasty. <i>Journal of Bone and Joint Surgery - Series A</i> , 2005, 87, 1047-1053.	3.0	344
3	Quadriceps strength and volitional activation before and after total knee arthroplasty for osteoarthritis. <i>Journal of Orthopaedic Research</i> , 2003, 21, 775-779.	2.3	320
4	Altered loading during walking and sit-to-stand is affected by quadriceps weakness after total knee arthroplasty. <i>Journal of Orthopaedic Research</i> , 2005, 23, 1083-1090.	2.3	298
5	Measuring Functional Improvement After Total Knee Arthroplasty Requires Both Performance-Based and Patient-Report Assessments. <i>Journal of Arthroplasty</i> , 2011, 26, 728-737.	3.1	281
6	Improved function from progressive strengthening interventions after total knee arthroplasty: A randomized clinical trial with an imbedded prospective cohort. <i>Arthritis and Rheumatism</i> , 2009, 61, 174-183.	6.7	265
7	Examining outcomes from total knee arthroplasty and the relationship between quadriceps strength and knee function over time. <i>Clinical Biomechanics</i> , 2008, 23, 320-328.	1.2	226
8	Total Knee Arthroplasty: Muscle Impairments, Functional Limitations, and Recommended Rehabilitation Approaches. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2008, 38, 246-256.	3.5	210
9	Neuromuscular Electrical Stimulation for Quadriceps Muscle Strengthening After Bilateral Total Knee Arthroplasty: A Case Series. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2004, 34, 21-29.	3.5	181
10	Preoperative quadriceps strength predicts functional ability one year after total knee arthroplasty. <i>Journal of Rheumatology</i> , 2005, 32, 1533-9.	2.0	164
11	Voluntary Activation and Decreased Force Production of the Quadriceps Femoris Muscle After Total Knee Arthroplasty. <i>Physical Therapy</i> , 2003, 83, 359-365.	2.4	143
12	EARLY QUADRICEPS STRENGTH LOSS AFTER TOTAL KNEE ARTHROPLASTY. <i>Journal of Bone and Joint Surgery - Series A</i> , 2005, 87, 1047-1053.	3.0	101
13	Muscle Strength in the Lower Extremity Does Not Predict Postinstruction Improvements in the Landing Patterns of Female Athletes. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2008, 38, 353-361.	3.5	98
14	Comparison of 2-Dimensional Measurement Techniques for Predicting Knee Angle and Moment During a Drop Vertical Jump. <i>Clinical Journal of Sport Medicine</i> , 2012, 22, 221-227.	1.8	83
15	Impact of Body Mass Index on Functional Performance After Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2010, 25, 1104-1109.	3.1	59
16	Voluntary activation and decreased force production of the quadriceps femoris muscle after total knee arthroplasty. <i>Physical Therapy</i> , 2003, 83, 359-65.	2.4	55
17	Running Biomechanics in Individuals with Anterior Cruciate Ligament Reconstruction: A Systematic Review. <i>Sports Medicine</i> , 2019, 49, 1411-1424.	6.5	44
18	Muscle activation and coactivation during five-time-sit-to-stand movement in patients undergoing total knee arthroplasty. <i>Journal of Electromyography and Kinesiology</i> , 2013, 23, 1485-1493.	1.7	41

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19	The Long-Term Contribution of Muscle Activation and Muscle Size to Quadriceps Weakness Following Total Knee Arthroplasty. <i>Journal of Geriatric Physical Therapy</i> , 2009, 32, 35-38.	1.1	38
20	Changes in Quadriceps and Hamstring Cocontraction Following Landing Instruction in Patients With Anterior Cruciate Ligament Reconstruction. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2015, 45, 273-280.	3.5	29
21	Association between long-term quadriceps weakness and early walking muscle co-contraction after total knee arthroplasty. <i>Knee</i> , 2013, 20, 426-431.	1.6	27
22	The long-term contribution of muscle activation and muscle size to quadriceps weakness following total knee arthroplasty. <i>Journal of Geriatric Physical Therapy</i> , 2009, 32, 79-82.	1.1	25
23	Quadriceps weakness preferentially predicts detrimental gait compensations among common impairments after total knee arthroplasty. <i>Journal of Orthopaedic Research</i> , 2018, 36, 2355-2363.	2.3	14
24	Visual knee-kinetic biofeedback technique normalizes gait abnormalities during high-demand mobility after total knee arthroplasty. <i>Knee</i> , 2018, 25, 73-82.	1.6	12
25	Joint mechanical asymmetries during low- and high-demand mobility tasks: Comparison between total knee arthroplasty and healthy-matched peers. <i>Gait and Posture</i> , 2018, 60, 104-110.	1.4	10
26	Preoperative quadriceps weakness preferentially predicts postoperative aberrant movement patterns during high-demand mobility following total knee arthroplasty. <i>Knee</i> , 2019, 26, 79-87.	1.6	10
27	Efficacy of ankle-foot orthoses on walking ability in peripheral artery disease. <i>Vascular Medicine</i> , 2019, 24, 324-331.	1.5	9
28	Patient perspectives of ankle-foot orthoses for walking ability in peripheral artery disease: A qualitative study. <i>Journal of Vascular Nursing</i> , 2020, 38, 100-107.	0.7	9
29	Clinical Efficacy of Jump Training Augmented With Body Weight Support After ACL Reconstruction: A Randomized Controlled Trial. <i>American Journal of Sports Medicine</i> , 2018, 46, 1650-1660.	4.2	8
30	Emerging Perspectives Related to Quadriceps Central Activation Deficits in Patients with Total Knee Arthroplasty. <i>Exercise and Sport Sciences Reviews</i> , 2012, 40, 61-62.	3.0	5
31	Comparison of 2 Forms of Kinetic Biofeedback on the Immediate Correction of Knee Extensor Moment Asymmetry Following Total Knee Arthroplasty During Decline Walking. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2019, 49, 105-111.	3.5	5
32	The Effect of Body Weight Support on Kinetics and Kinematics of a Repetitive Plyometric Task. <i>Journal of Applied Biomechanics</i> , 2016, 32, 69-77.	0.8	4
33	Longitudinal study of knee load avoidant movement behavior after total knee arthroplasty with recommendations for future retraining interventions. <i>Knee</i> , 2021, 30, 90-99.	1.6	2
34	Invited Commentary. <i>Physical Therapy</i> , 2010, 90, 1296-1298.	2.4	1
35	HIGH REPETITION JUMP TRAINING COUPLED WITH BODY WEIGHT SUPPORT IN A PATIENT WITH KNEE PAIN AND PRIOR HISTORY OF ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION: A CASE REPORT. <i>International Journal of Sports Physical Therapy</i> , 2015, 10, 1035-49.	1.3	1