

# Matthew K Seeley

## List of Publications by Year in descending order

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Version: 2024-02-01

71  
papers

955  
citations

471061

17  
h-index

476904

29  
g-index

71  
all docs

71  
docs citations

71  
times ranked

1006  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prelanding movement strategies among chronic ankle instability, coper, and control subjects. <i>Sports Biomechanics</i> , 2022, 21, 391-407.	0.8	7
2	A Review of the Relationships Between Knee Pain and Movement Neuromechanics. <i>Journal of Sport Rehabilitation</i> , 2022, 31, 684-693.	0.4	3
3	Biomechanics Differ for Individuals With Similar Self-Reported Characteristics of Patellofemoral Pain During a High-Demand Multiplanar Movement Task. <i>Journal of Sport Rehabilitation</i> , 2021, 30, 860-869.	0.4	2
4	Anterior knee pain independently alters landing and jumping biomechanics. <i>Clinical Biomechanics</i> , 2021, 89, 105458.	0.5	2
5	Submaximal Force Steadiness and Accuracy in Patients With Chronic Ankle Instability. <i>Journal of Athletic Training</i> , 2021, 56, 454-460.	0.9	4
6	Bilateral Gait 6 and 12 Months Post-“Anterior Cruciate Ligament Reconstruction Compared with Controls. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 785-794.	0.2	40
7	Simultaneous ice and transcutaneous electrical nerve stimulation decrease anterior knee pain during running but do not affect running kinematics or associated muscle inhibition. <i>Clinical Biomechanics</i> , 2020, 72, 1-7.	0.5	2
8	Predicting vertical ground reaction force during running using novel piezoresponsive sensors and accelerometry. <i>Journal of Sports Sciences</i> , 2020, 38, 1844-1858.	1.0	14
9	Biomechanical effects of manipulating peak vertical ground reaction force throughout gait in individuals 6-12 months after anterior cruciate ligament reconstruction. <i>Clinical Biomechanics</i> , 2020, 76, 105014.	0.5	20
10	A case study exploring associations between popular media attention of scientific research and scientific citations. <i>PLoS ONE</i> , 2020, 15, e0234912.	1.1	15
11	Altered Walking Neuromechanics in Patients With Chronic Ankle Instability. <i>Journal of Athletic Training</i> , 2019, 54, 684-697.	0.9	30
12	Characterization of Multiple Movement Strategies in Participants With Chronic Ankle Instability. <i>Journal of Athletic Training</i> , 2019, 54, 698-707.	0.9	14
13	Altered Movement Biomechanics in Chronic Ankle Instability, Coper, and Control Groups: Energy Absorption and Distribution Implications. <i>Journal of Athletic Training</i> , 2019, 54, 708-717.	0.9	28
14	Walking Ground Reaction Force Post-ACL Reconstruction: Analysis of Time and Symptoms. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 246-254.	0.2	49
15	Sagittal plane walking biomechanics in individuals with knee osteoarthritis after quadriceps strengthening. <i>Osteoarthritis and Cartilage</i> , 2019, 27, 771-780.	0.6	24
16	Functional Data Analyses of Gait Data Measured Using In-Shoe Sensors. <i>Statistics in Biosciences</i> , 2019, 11, 288-313.	0.6	1
17	Manipulating Initial Peak vGRF During Walking Affects Loading Throughout Stance in Individuals with ACL Reconstruction. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 260-261.	0.2	0
18	The Influence of Ambulatory Aid on Lower-Extremity Muscle Activation During Gait. <i>Journal of Sport Rehabilitation</i> , 2018, 27, 230-236.	0.4	8

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19	A Novel Method to Characterize Walking and Running Energy Expenditure. <i>Journal for the Measurement of Physical Behaviour</i> , 2018, 1, 100-107.	0.5	2
20	Altered Movement Neuromechanics during Jump Landing and Cutting in Patients with Chronic Ankle Instability. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 683-684.	0.2	0
21	Joint Stiffness Alterations, Grouped by Movement Strategy, in Chronic Ankle Instability. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 685.	0.2	0
22	Efficacy of Sensory Transcutaneous Electrical Nerve Stimulation on Perceived Pain and Gait Patterns in Individuals With Experimental Knee Pain. <i>Archives of Physical Medicine and Rehabilitation</i> , 2017, 98, 25-35.	0.5	14
23	Walking mechanics for patellofemoral pain subjects with similar self-reported pain levels can differ based upon neuromuscular activation. <i>Gait and Posture</i> , 2017, 53, 48-54.	0.6	9
24	Movement Strategies among Groups of Chronic Ankle Instability, Coper, and Control. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 1649-1661.	0.2	57
25	Estimation of 3D Ground Reaction Force Using Nanocomposite Piezo-Responsive Foam Sensors During Walking. <i>Annals of Biomedical Engineering</i> , 2017, 45, 2122-2134.	1.3	28
26	Nano-Composite Foam Sensor System in Football Helmets. <i>Annals of Biomedical Engineering</i> , 2017, 45, 2742-2749.	1.3	13
27	Effects of Experimental Anterior Knee Pain on Muscle Activation During Landing and Jumping Performed at Various Intensities. <i>Journal of Sport Rehabilitation</i> , 2017, 26, 78-93.	0.4	15
28	Functional vs. Traditional Analysis in Biomechanical Gait Data: An Alternative Statistical Approach. <i>Journal of Human Kinetics</i> , 2017, 60, 39-49.	0.7	36
29	A 6-week Strength Training Increases Muscle Size in Patients with Chronic Ankle Instability. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 777.	0.2	0
30	Altered Lower Extremity Joint Energetic Patterns in Patients with Chronic Ankle Instability during Walking. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 745.	0.2	0
31	A 6-week Rehabilitation Training Improves Single-leg Static Postural Control In Patients With Chronic Ankle Instability. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 657-658.	0.2	0
32	Effect of Ankle and Hip Rehabilitation Intervention on Knee Landing Mechanics in Chronic Ankle Instability. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 383.	0.2	0
33	Effect of Rehabilitation Intervention on Hip Mechanics during Cutting in Patients with Chronic Ankle Instability. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 386.	0.2	0
34	Neuromuscular Training Alters Preparatory Lower Extremity Muscle Activation and Movement in Subjects with Ankle Instability. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 525-526.	0.2	0
35	Changes in Lower Extremity Energetics during Cutting in Chronic Ankle Instability Patients Following Rehabilitation Intervention. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 387-388.	0.2	0
36	Functional Patterns of Knee Neuromechanics during Stance in Subjects with Chronic Ankle Instability. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 742-743.	0.2	0

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37	Influence of Tennis Racquet Kinematics on Ball Topspin Angular Velocity and Accuracy during the Forehand Groundstroke. <i>Journal of Sports Science and Medicine</i> , 2017, 16, 505-513.	0.7	7
38	Running decreases knee intra-articular cytokine and cartilage oligomeric matrix concentrations: a pilot study. <i>European Journal of Applied Physiology</i> , 2016, 116, 2305-2314.	1.2	47
39	Vibration monitoring via nano-composite piezoelectric foam bushings. <i>Smart Materials and Structures</i> , 2016, 25, 115013.	1.8	3
40	Ambulation speed and corresponding mechanics are associated with changes in serum cartilage oligomeric matrix protein. <i>Gait and Posture</i> , 2016, 44, 131-136.	0.6	18
41	Lower Extremity EMG Alterations in Subjects with Ankle Instability Clustered by Motion. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 724.	0.2	0
42	Movement Mechanics Within A Single Patellofemoral Pain Cohort Significantly Vary. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 888.	0.2	0
43	Modeling 3D Ground Reaction Forces During Walking Using Nanocomposite Piezo-Responsive Foam Sensors. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 799.	0.2	0
44	Different Lower Extremity Joint Energetic Pattern between Subjects with Copers and Ankle Instability. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 722.	0.2	0
45	Lower Leg Emg Alterations In Subjects With Ankle Instability During A Forward-side Jump Task. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 129.	0.2	0
46	Effect Of Neuromuscular Fatigue On Emg Patterns In Subjects With Ankle Instability. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 835.	0.2	0
47	Effects of Transcutaneous Electrical Nerve Stimulation on Walking Impulse in Subjects with Experimental Knee Pain. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 85.	0.2	0
48	The relationship between steeplechase hurdle economy, mechanics, and performance. <i>Journal of Sport and Health Science</i> , 2015, 4, 353-356.	3.3	6
49	Post-Ambulation Increases in Serum Cartilage Oligomeric Matrix Protein Differ Between Genders. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 218.	0.2	0
50	Body weight independently affects articular cartilage catabolism. <i>Journal of Sports Science and Medicine</i> , 2015, 14, 290-6.	0.7	16
51	The influence of experimental anterior knee pain during running on electromyography and articular cartilage metabolism. <i>Osteoarthritis and Cartilage</i> , 2014, 22, 1111-1119.	0.6	18
52	Comparison of Two Taping Techniques on Navicular Drop and Center-of-Pressure Measurements During Stance. <i>Athletic Training &amp; Sports Health Care</i> , 2014, 6, 252-260.	0.4	7
53	Effect of Experimental Anterior Knee Pain on Measures of Static and Dynamic Postural Control. <i>Athletic Training &amp; Sports Health Care</i> , 2014, 6, 7-14.	0.4	2
54	Effect of Ambulation Speed on Serum Cartilage Oligomeric Matrix Protein Concentration. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 348-349.	0.2	0

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55	A Novel Experimental Knee-Pain Model Affects Perceived Pain and Movement Biomechanics. <i>Journal of Athletic Training</i> , 2013, 48, 337-345.	0.9	32
56	Alterations in evertor/invertor muscle activation and center of pressure trajectory in participants with functional ankle instability. <i>Journal of Electromyography and Kinesiology</i> , 2012, 22, 280-285.	0.7	82
57	Kinematic changes during a marathon for fast and slow runners. <i>Journal of Sports Science and Medicine</i> , 2012, 11, 77-82.	0.7	29
58	Ground Reaction Forces Generated by Twenty-eight Hatha Yoga Postures. <i>International Journal of Exercise Science</i> , 2012, 5, 114-126.	0.5	2
59	Tennis forehand kinematics change as post-impact ball speed is altered. <i>Sports Biomechanics</i> , 2011, 10, 415-426.	0.8	44
60	Pain Perception During and Following Experimentally Induced Anterior Knee Pain. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 522.	0.2	0
61	Metabolic Energy Expenditure During Spring-Loaded Crutch Ambulation. <i>Journal of Sport Rehabilitation</i> , 2011, 20, 419-427.	0.4	2
62	A Kinematic Comparison of Spring-Loaded and Traditional Crutches. <i>Journal of Sport Rehabilitation</i> , 2011, 20, 198-206.	0.4	5
63	Upper Extremity Dexterity Changes Due To Neck Extensors Or Forearm Muscle Fatigue. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 616.	0.2	0
64	Comparison of the Traditional, Swing, and Chicken Wing Volleyball Blocking Techniques in NCAA Division I Female Athletes. <i>Journal of Sports Science and Medicine</i> , 2011, 10, 452-7.	0.7	4
65	Lower Extremity Muscle Activation Alterations Due to Experimentally Induced Anterior Knee Pain During Landing. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 582-583.	0.2	0
66	Reliability of 16 Balance Tests in Individuals with down Syndrome. <i>Perceptual and Motor Skills</i> , 2010, 111, 530-542.	0.6	29
67	The relation between mild leg-length inequality and able-bodied gait asymmetry. <i>Journal of Sports Science and Medicine</i> , 2010, 9, 572-9.	0.7	24
68	An investigation of lower-extremity functional asymmetry for non-preferred able-bodied walking speeds. <i>International Journal of Exercise Science</i> , 2010, 3, 182-188.	0.5	5
69	A test of the functional asymmetry hypothesis in walking. <i>Gait and Posture</i> , 2008, 28, 24-28.	0.6	111
70	A comparison of muscle activations during traditional and abbreviated tennis serves. <i>Sports Biomechanics</i> , 2008, 7, 248-259.	0.8	18
71	A Comparison of Upper-Extremity Reaction Forces between the Yurchenko Vault and Floor Exercise. <i>Journal of Sports Science and Medicine</i> , 2005, 4, 85-94.	0.7	7