Matthew K Seeley

List of Publications by Year
in descending order

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	A test of the functional asymmetry hypothesis in walking. Gait and Posture, 2008, 28, 24-28.	0.6	111
2	Alterations in evertor/invertor muscle activation and center of pressure trajectory in participants with functional ankle instability. Journal of Electromyography and Kinesiology, 2012, 22, 280-285.	0.7	82
3	Movement Strategies among Groups of Chronic Ankle Instability, Coper, and Control. Medicine and Science in Sports and Exercise, 2017, 49, 1649-1661.	0.2	57
4	Walking Ground Reaction Force Post-ACL Reconstruction: Analysis of Time and Symptoms. Medicine and Science in Sports and Exercise, 2019, 51, 246-254.	0.2	49
5	Running decreases knee intra-articular cytokine and cartilage oligomeric matrix concentrations: a pilot study. European Journal of Applied Physiology, 2016, 116, 2305-2314.	1.2	47
6	Tennis forehand kinematics change as post-impact ball speed is altered. Sports Biomechanics, 2011, 10, 415-426.	0.8	44
7	Bilateral Gait 6 and 12 Months Postâ€“Anterior Cruciate Ligament Reconstruction Compared with Controls. Medicine and Science in Sports and Exercise, 2020, 52, 785-794.	0.2	40
8	Functional vs. Traditional Analysis in Biomechanical Gait Data: An Alternative Statistical Approach. Journal of Human Kinetics, 2017, 60, 39-49.	0.7	36
9	A Novel Experimental Knee-Pain Model Affects Perceived Pain and Movement Biomechanics. Journal of Athletic Training, 2013, 48, 337-345.	0.9	32
10	Altered Walking Neuromechanics in Patients With Chronic Ankle Instability. Journal of Athletic Training, 2019, 54, 684-697.	0.9	30
11	Reliability of 16 Balance Tests in Individuals with down Syndrome. Perceptual and Motor Skills, 2010, 111, 530-542.	0.6	29
12	Kinematic changes during a marathon for fast and slow runners. Journal of Sports Science and Medicine, 2012, 11, 77-82.	0.7	29
13	Estimation of 3D Ground Reaction Force Using Nanocomposite Piezo-Responsive Foam Sensors During Walking. Annals of Biomedical Engineering, 2017, 45, 2122-2134.	1.3	28
14	Altered Movement Biomechanics in Chronic Ankle Instability, Coper, and Control Groups: Energy Absorption and Distribution Implications. Journal of Athletic Training, 2019, 54, 708-717.	0.9	28
15	Sagittal plane walking biomechanics in individuals with knee osteoarthritis after quadriceps strengthening. Osteoarthritis and Cartilage, 2019, 27, 771-780.	0.6	24
16	The relation between mild leg-length inequality and able-bodied gait asymmetry. Journal of Sports Science and Medicine, 2010, 9, 572-9.	0.7	24
17	Biomechanical effects of manipulating peak vertical ground reaction force throughout gait in individuals 6â€“12Âmonths after anterior cruciate ligament reconstruction. Clinical Biomechanics, 2020, 76, 105014.	0.5	20
18	A comparison of muscle activations during traditional and abbreviated tennis serves. Sports Biomechanics, 2008, 7, 248-259.	0.8	18

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19	The influence of experimental anterior knee pain during running on electromyography and articular cartilage metabolism. Osteoarthritis and Cartilage, 2014, 22, 1111-1119.	0.6	18
20	Ambulation speed and corresponding mechanics are associated with changes in serum cartilage oligomeric matrix protein. Gait and Posture, 2016, 44, 131-136.	0.6	18
21	Body weight independently affects articular cartilage catabolism. Journal of Sports Science and Medicine, 2015, 14, 290-6.	0.7	16
22	Effects of Experimental Anterior Knee Pain on Muscle Activation During Landing and Jumping Performed at Various Intensities. Journal of Sport Rehabilitation, 2017, 26, 78-93.	0.4	15
23	A case study exploring associations between popular media attention of scientific research and scientific citations. PLoS ONE, 2020, 15, e0234912.	1.1	15
24	Efficacy of Sensory Transcutaneous Electrical Nerve Stimulation on Perceived Pain and Gait Patterns in Individuals With Experimental Knee Pain. Archives of Physical Medicine and Rehabilitation, 2017, 98, 25-35.	0.5	14
25	Characterization of Multiple Movement Strategies in Participants With Chronic Ankle Instability. Journal of Athletic Training, 2019, 54, 698-707.	0.9	14
26	Predicting vertical ground reaction force during running using novel piezoresponsive sensors and accelerometry. Journal of Sports Sciences, 2020, 38, 1844-1858.	1.0	14
27	Nano-Composite Foam Sensor System in Football Helmets. Annals of Biomedical Engineering, 2017, 45, 2742-2749.	1.3	13
28	Walking mechanics for patellofemoral pain subjects with similar self-reported pain levels can differ based upon neuromuscular activation. Gait and Posture, 2017, 53, 48-54.	0.6	9
29	The Influence of Ambulatory Aid on Lower-Extremity Muscle Activation During Gait. Journal of Sport Rehabilitation, 2018, 27, 230-236.	0.4	8
30	Prelanding movement strategies among chronic ankle instability, coper, and control subjects. Sports Biomechanics, 2022, 21, 391-407.	0.8	7
31	Comparison of Two Taping Techniques on Navicular Drop and Center-of-Pressure Measurements During Stance. Athletic Training & Sports Health Care, 2014, 6, 252-260.	0.4	7
32	A Comparison of Upper-Extremity Reaction Forces between the Yurchenko Vault and Floor Exercise. Journal of Sports Science and Medicine, 2005, 4, 85-94.	0.7	7
33	Influence of Tennis Racquet Kinematics on Ball Topspin Angular Velocity and Accuracy during the Forehand Groundstroke. Journal of Sports Science and Medicine, 2017, 16, 505-513.	0.7	7
34	The relationship between steeplechase hurdle economy, mechanics, and performance. Journal of Sport and Health Science, 2015, 4, 353-356.	3.3	6
35	A Kinematic Comparison of Spring-Loaded and Traditional Crutches. Journal of Sport Rehabilitation, 2011, 20, 198-206.	0.4	5
36	An investigation of lower-extremity functional asymmetry for non-preferred able-bodied walking speeds. International Journal of Exercise Science, 2010, 3, 182-188.	0.5	5

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37	Submaximal Force Steadiness and Accuracy in Patients With Chronic Ankle Instability. Journal of Athletic Training, 2021, 56, 454-460.	0.9	4
38	Comparison of the Traditional, Swing, and Chicken Wing Volleyball Blocking Techniques in NCAA Division I Female Athletes. Journal of Sports Science and Medicine, 2011, 10, 452-7.	0.7	4
39	Vibration monitoring via nano-composite piezoelectric foam bushings. Smart Materials and Structures, 2016, 25, 115013.	1.8	3
40	A Review of the Relationships Between Knee Pain and Movement Neuromechanics. Journal of Sport Rehabilitation, 2022, 31, 684-693.	0.4	3
41	Metabolic Energy Expenditure During Spring-Loaded Crutch Ambulation. Journal of Sport Rehabilitation, 2011, 20, 419-427.	0.4	2
42	A Novel Method to Characterize Walking and Running Energy Expenditure. Journal for the Measurement of Physical Behaviour, 2018, 1, 100-107.	0.5	2
43	Simultaneous ice and transcutaneous electrical nerve stimulation decrease anterior knee pain during running but do not affect running kinematics or associated muscle inhibition. Clinical Biomechanics, 2020, 72, 1-7.	0.5	2
44	Biomechanics Differ for Individuals With Similar Self-Reported Characteristics of Patellofemoral Pain During a High-Demand Multiplanar Movement Task. Journal of Sport Rehabilitation, 2021, 30, 860-869.	0.4	2
45	Anterior knee pain independently alters landing and jumping biomechanics. Clinical Biomechanics, 2021, 89, 105458.	0.5	2
46	Effect of Experimental Anterior Knee Pain on Measures of Static and Dynamic Postural Control. Athletic Training & Sports Health Care, 2014, 6, 7-14.	0.4	2
47	Ground Reaction Forces Generated by Twenty-eight Hatha Yoga Postures. International Journal of Exercise Science, 2012, 5, 114-126.	0.5	2
48	Functional Data Analyses of Gait Data Measured Using In-Shoe Sensors. Statistics in Biosciences, 2019, 11, 288-313.	0.6	1
49	Lower Extremity Muscle Activation Alterations Due to Experimentally Induced Anterior Knee Pain During Landing. Medicine and Science in Sports and Exercise, 2010, 42, 582-583.	0.2	0
50	Pain Perception During and Following Experimentally Induced Anterior Knee Pain. Medicine and Science in Sports and Exercise, 2011, 43, 522.	0.2	0
51	Upper Extremity Dexterity Changes Due To Neck Extensors Or Forearm Muscle Fatigue. Medicine and Science in Sports and Exercise, 2011, 43, 616.	0.2	0
52	Lower Leg Emg Alterations In Subjects With Ankle Instability During A Forward-side Jump Task. Medicine and Science in Sports and Exercise, 2015, 47, 129.	0.2	0
53	Effect Of Neuromuscular Fatigue On Emg Patterns In Subjects With Ankle Instability. Medicine and Science in Sports and Exercise, 2015, 47, 835.	0.2	0
54	Effects of Transcutaneous Electrical Nerve Stimulation on Walking Impulse in Subjects with Experimental Knee Pain. Medicine and Science in Sports and Exercise, 2015, 47, 85.	0.2	0

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55	A 6-week Strength Training Increases Muscle Size in Patients with Chronic Ankle Instability. Medicine and Science in Sports and Exercise, 2017, 49, 777.	0.2	0
56	Altered Lower Extremity Joint Energetic Patterns in Patients with Chronic Ankle Instability during Walking. Medicine and Science in Sports and Exercise, 2017, 49, 745.	0.2	0
57	A 6-week Rehabilitation Training Improves Single-leg Static Postural Control In Patients With Chronic Ankle Instability. Medicine and Science in Sports and Exercise, 2017, 49, 657-658.	0.2	0
58	Effect of Ankle and Hip Rehabilitation Intervention on Knee Landing Mechanics in Chronic Ankle Instability. Medicine and Science in Sports and Exercise, 2017, 49, 383.	0.2	0
59	Effect of Ambulation Speed on Serum Cartilage Oligomeric Matrix Protein Concentration. Medicine and Science in Sports and Exercise, 2014, 46, 348-349.	0.2	0
60	Post-Ambulation Increases in Serum Cartilage Oligomeric Matrix Protein Differ Between Genders. Medicine and Science in Sports and Exercise, 2015, 47, 218.	0.2	0
61	Lower Extremity EMG Alterations in Subjects with Ankle Instability Clustered by Motion. Medicine and Science in Sports and Exercise, 2016, 48, 724.	0.2	0
62	Movement Mechanics Within A Single Patellofemoral Pain Cohort Significantly Vary. Medicine and Science in Sports and Exercise, 2016, 48, 888.	0.2	0
63	Modeling 3D Ground Reaction Forces During Walking Using Nanocomposite Piezo-Responsive Foam Sensors. Medicine and Science in Sports and Exercise, 2016, 48, 799.	0.2	0
64	Different Lower Extremity Joint Energetic Pattern between Subjects with Copers and Ankle Instability. Medicine and Science in Sports and Exercise, 2016, 48, 722.	0.2	0
65	Effect of Rehabilitation Intervention on Hip Mechanics during Cutting in Patients with Chronic Ankle Instability. Medicine and Science in Sports and Exercise, 2017, 49, 386.	0.2	0
66	Neuromuscular Training Alters Preparatory Lower Extremity Muscle Activation and Movement in Subjects with Ankle Instability. Medicine and Science in Sports and Exercise, 2017, 49, 525-526.	0.2	0
67	Changes in Lower Extremity Energetics during Cutting in Chronic Ankle Instability Patients Following Rehabilitation Intervention. Medicine and Science in Sports and Exercise, 2017, 49, 387-388.	0.2	0
68	Functional Patterns of Knee Neuromechanics during Stance in Subjects with Chronic Ankle Instability. Medicine and Science in Sports and Exercise, 2017, 49, 742-743.	0.2	0
69	Altered Movement Neuromechanics during Jump Landing and Cutting in Patients with Chronic Ankle Instability. Medicine and Science in Sports and Exercise, 2018, 50, 683-684.	0.2	0
70	Joint Stiffness Alterations, Grouped by Movement Strategy, in Chronic Ankle Instability. Medicine and Science in Sports and Exercise, 2018, 50, 685.	0.2	0
71	Manipulating Initial Peak vGRF During Walking Affects Loading Throughout Stance in Individuals with ACL Reconstruction. Medicine and Science in Sports and Exercise, 2019, 51, 260-261.	0.2	0