

# Kieran A Moran

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/8146221/kieran-a-moran-publications-by-citations.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

108  
papers

1,939  
citations

26  
h-index

39  
g-index

120  
ext. papers

2,409  
ext. citations

3.1  
avg, IF

5.12  
L-index

#	Paper	IF	Citations
108	The use of vibration training to enhance muscle strength and power. <i>Sports Medicine</i> , <b>2005</b> , 35, 23-41	10.6	193
107	Quantifying radiographic knee osteoarthritis severity using deep convolutional neural networks <b>2016</b> ,		109
106	Biomechanical factors associated with time to complete a change of direction cutting maneuver. <i>Journal of Strength and Conditioning Research</i> , <b>2014</b> , 28, 2845-51	3.2	78
105	. <i>IEEE Internet of Things Journal</i> , <b>2015</b> , 2, 23-32	10.7	73
104	Eccentric loading and range of knee joint motion effects on performance enhancement in vertical jumping. <i>Human Movement Science</i> , <b>2007</b> , 26, 824-40	2.4	59
103	Gait pattern categorization of stroke participants with equinus deformity of the foot. <i>Gait and Posture</i> , <b>2008</b> , 27, 144-51	2.6	55
102	Cardiac patients show high interest in technology enabled cardiovascular rehabilitation. <i>BMC Medical Informatics and Decision Making</i> , <b>2016</b> , 16, 95	3.6	53
101	Behavior Change Techniques in Physical Activity eHealth Interventions for People With Cardiovascular Disease: Systematic Review. <i>Journal of Medical Internet Research</i> , <b>2017</b> , 19, e281	7.6	49
100	Effect of fatigue on tibial impact accelerations and knee kinematics in drop jumps. <i>Medicine and Science in Sports and Exercise</i> , <b>2006</b> , 38, 1836-42	1.2	45
99	Automatic Detection of Knee Joints and Quantification of Knee Osteoarthritis Severity Using Convolutional Neural Networks. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 376-390	0.9	45
98	Clinical and biomechanical outcomes of rehabilitation targeting intersegmental control in athletic groin pain: prospective cohort of 205 patients. <i>British Journal of Sports Medicine</i> , <b>2018</b> , 52, 1054-1062	10.3	42
97	Automatic Activity Classification and Movement Assessment During a Sports Training Session Using Wearable Inertial Sensors <b>2014</b> ,		41
96	Comparison of discrete-point vs. dimensionality-reduction techniques for describing performance-related aspects of maximal vertical jumping. <i>Journal of Biomechanics</i> , <b>2014</b> , 47, 3012-7	2.9	41
95	Automated detection of atrial fibrillation using R-R intervals and multivariate-based classification. <i>Journal of Electrocardiology</i> , <b>2016</b> , 49, 871-876	1.4	38
94	A 4-week instructed minimalist running transition and gait-retraining changes plantar pressure and force. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2014</b> , 24, 964-73	4.6	38
93	Countermovement Jump and Isokinetic Dynamometry as Measures of Rehabilitation Status After Anterior Cruciate Ligament Reconstruction. <i>Journal of Athletic Training</i> , <b>2018</b> , 53, 687-695	4	37
92	Athletic groin pain (part 2): a prospective cohort study on the biomechanical evaluation of change of direction identifies three clusters of movement patterns. <i>British Journal of Sports Medicine</i> , <b>2017</b> , 51, 460-468	10.3	36

91	Does the amount of lower extremity movement variability differ between injured and uninjured populations? A systematic review. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2018</b> , 28, 1320-1338	4.6	33
90	Effects of taping and exercise on ankle joint movement in subjects with chronic ankle instability: a preliminary investigation. <i>Archives of Physical Medicine and Rehabilitation</i> , <b>2009</b> , 90, 1418-22	2.8	32
89	A comparison of methods used to identify optimal drop height for early phase adaptations in depth jump training. <i>Journal of Strength and Conditioning Research</i> , <b>2010</b> , 24, 2050-5	3.2	32
88	. <i>IEEE Sensors Journal</i> , <b>2016</b> , 16, 8823-8831	4	31
87	Which drop jump technique is most effective at enhancing countermovement jump ability, "countermovement" drop jump or "bounce" drop jump?. <i>Journal of Sports Sciences</i> , <b>2013</b> , 31, 1368-74	3.6	31
86	The influence of reduced hamstring length on patellofemoral joint stress during squatting in healthy male adults. <i>Gait and Posture</i> , <b>2010</b> , 31, 47-51	2.6	31
85	Dynamic stretching and golf swing performance. <i>International Journal of Sports Medicine</i> , <b>2009</b> , 30, 113-8	3.6	31
84	Analysis of the 5 iron golf swing when hitting for maximum distance. <i>Journal of Sports Sciences</i> , <b>2011</b> , 29, 1079-88	3.6	29
83	Effect of vibration training in maximal effort (70% 1RM) dynamic bicep curls. <i>Medicine and Science in Sports and Exercise</i> , <b>2007</b> , 39, 526-33	1.2	27
82	A high-intensity, intermittent exercise protocol and dynamic postural control in men and women. <i>Journal of Athletic Training</i> , <b>2015</b> , 50, 392-9	4	26
81	Predicting knee osteoarthritis severity: comparative modeling based on patient data and plain X-ray images. <i>Scientific Reports</i> , <b>2019</b> , 9, 5761	4.9	25
80	Analysis of characterizing phases on waveform: an application to vertical jumps. <i>Journal of Applied Biomechanics</i> , <b>2014</b> , 30, 316-21	1.2	25
79	A virtual coaching environment for improving golf swing technique <b>2010</b> ,		25
78	Epidemiology of injury in male adolescent Gaelic games. <i>Journal of Science and Medicine in Sport</i> , <b>2016</b> , 19, 384-8	4.4	23
77	The effects of a free-weight-based resistance training intervention on pain, squat biomechanics and MRI-defined lumbar fat infiltration and functional cross-sectional area in those with chronic low back. <i>BMJ Open Sport and Exercise Medicine</i> , <b>2015</b> , 1, e000050	3.4	22
76	A portable vibrator for muscle performance enhancement by means of direct muscle tendon stimulation. <i>Medical Engineering and Physics</i> , <b>2005</b> , 27, 513-22	2.4	21
75	The Cardiac Conduction System: Generation and Conduction of the Cardiac Impulse. <i>Critical Care Nursing Clinics of North America</i> , <b>2016</b> , 28, 269-79	1.5	20
74	Kinetic changes during a six-week minimal footwear and gait-retraining intervention in runners. <i>Journal of Sports Sciences</i> , <b>2017</b> , 35, 1538-1546	3.6	18

73	The need and benefit of augmented feedback on service speed in tennis. <i>Medicine and Science in Sports and Exercise</i> , <b>2012</b> , 44, 754-60	1.2	18
72	The development and codesign of the PATHway intervention: a theory-driven eHealth platform for the self-management of cardiovascular disease. <i>Translational Behavioral Medicine</i> , <b>2019</b> , 9, 76-98	3.2	18
71	Computerized decision support for beneficial home-based exercise rehabilitation in patients with cardiovascular disease. <i>Computer Methods and Programs in Biomedicine</i> , <b>2018</b> , 162, 1-10	6.9	16
70	Biomechanical symmetry in elite rugby union players during dynamic tasks: an investigation using discrete and continuous data analysis techniques. <i>BMC Sports Science, Medicine and Rehabilitation</i> , <b>2015</b> , 7, 13	2.4	15
69	Kinect vs. Low-cost Inertial Sensing for Gesture Recognition. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 484-495	0.9	15
68	Eight weeks gait retraining in minimalist footwear has no effect on running economy. <i>Human Movement Science</i> , <b>2015</b> , 42, 183-92	2.4	14
67	PATHway I: design and rationale for the investigation of the feasibility, clinical effectiveness and cost-effectiveness of a technology-enabled cardiac rehabilitation platform. <i>BMJ Open</i> , <b>2017</b> , 7, e016781 <sup>3</sup>		14
66	Epidemiology of injury in male collegiate Gaelic footballers in one season. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2017</b> , 27, 1136-1142	4.6	12
65	Is stiffness related to athletic groin pain?. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2018</b> , 28, 1681-1690	4.6	11
64	Feasibility, Acceptability, and Clinical Effectiveness of a Technology-Enabled Cardiac Rehabilitation Platform (Physical Activity Toward Health-I): Randomized Controlled Trial. <i>Journal of Medical Internet Research</i> , <b>2020</b> , 22, e14221	7.6	11
63	Electronic Health Physical Activity Behavior Change Intervention to Self-Manage Cardiovascular Disease: Qualitative Exploration of Patient and Health Professional Requirements. <i>Journal of Medical Internet Research</i> , <b>2018</b> , 20, e163	7.6	11
62	Effects of a dynamic core stability program on the biomechanics of cutting maneuvers: A randomized controlled trial. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2018</b> , 28, 452-462	4.6	10
61	MedFit App, a Behavior-Changing, Theoretically Informed Mobile App for Patient Self-Management of Cardiovascular Disease: User-Centered Development. <i>JMIR Formative Research</i> , <b>2018</b> , 2, e8	2.5	10
60	Clustering vertical ground reaction force curves produced during countermovement jumps. <i>Journal of Biomechanics</i> , <b>2014</b> , 47, 2385-90	2.9	9
59	Biomechanical Factors Associated With Jump Height: A Comparison of Cross-Sectional and Pre-to-Posttraining Change Findings. <i>Journal of Strength and Conditioning Research</i> , <b>2015</b> , 29, 3292-9	3.2	9
58	Influence of resistance load on neuromuscular response to vibration training. <i>Journal of Strength and Conditioning Research</i> , <b>2009</b> , 23, 420-6	3.2	9
57	Principal Component Analysis of the Biomechanical Factors Associated With Performance During Cutting. <i>Journal of Strength and Conditioning Research</i> , <b>2021</b> , 35, 1715-1723	3.2	8
56	<b>2014</b> ,		8

55	Effect of vibration training on neuromuscular output with ballistic knee extensions. <i>Journal of Sports Sciences</i> , <b>2008</b> , 26, 1365-73	3.6	8
54	The variance needed to accurately describe jump height from vertical ground reaction force data. <i>Journal of Applied Biomechanics</i> , <b>2014</b> , 30, 732-6	1.2	7
53	Human gait monitoring using body-worn inertial sensors and kinematic modelling <b>2015</b> ,		7
52	Automatically detecting asymmetric running using time and frequency domain features <b>2015</b> ,		7
51	The dynamic viscoelastic characterisation of the impact behaviour of the GAA sliotar. <i>Procedia Engineering</i> , <b>2010</b> , 2, 2991-2997		7
50	The effects of rehabilitation on the biomechanics of patients with athletic groin pain. <i>Journal of Biomechanics</i> , <b>2020</b> , 99, 109474	2.9	7
49	Recognition and Repetition Counting for Local Muscular Endurance Exercises in Exercise-Based Rehabilitation: A Comparative Study Using Artificial Intelligence Models. <i>Sensors</i> , <b>2020</b> , 20,	3.8	7
48	Investigation of the Effects of High-Intensity, Intermittent Exercise and Unanticipation on Trunk and Lower Limb Biomechanics During a Side-Cutting Maneuver Using Statistical Parametric Mapping. <i>Journal of Strength and Conditioning Research</i> , <b>2018</b> , 32, 1583-1593	3.2	6
47	The effect of high intensity exercise and anticipation on trunk and lower limb biomechanics during a crossover cutting manoeuvre. <i>Journal of Sports Sciences</i> , <b>2018</b> , 36, 889-900	3.6	6
46	The Number of Trials Required to Obtain a Representative Movement Pattern During a Hurdle Hop Exercise. <i>Journal of Applied Biomechanics</i> , <b>2016</b> , 32, 295-300	1.2	6
45	The development and reliability of a simple field based screening tool to assess core stability in athletes. <i>Physical Therapy in Sport</i> , <b>2016</b> , 20, 40-4	3	6
44	Sports-Related Concussion in Adolescent Gaelic Games Players. <i>Sports Health</i> , <b>2019</b> , 11, 498-506	4.7	6
43	Viscoelastic impact characterisation of solid sports balls used in the Irish sport of Hurling. <i>Sports Engineering</i> , <b>2011</b> , 14, 15-25	1.4	6
42	Does endurance fatigue increase the risk of injury when performing drop jumps?. <i>Journal of Strength and Conditioning Research</i> , <b>2009</b> , 23, 1448-55	3.2	6
41	Principal Component Analysis of the Associations Between Kinetic Variables in Cutting and Jumping, and Cutting Performance Outcome. <i>Journal of Strength and Conditioning Research</i> , <b>2021</b> , 35, 1848-1855	3.2	6
40	PATHway: Decision Support in Exercise Programmes for Cardiac Rehabilitation. <i>Studies in Health Technology and Informatics</i> , <b>2016</b> , 224, 40-5	0.5	6
39	An evaluation of a 3D multimodal marker-less motion analysis system <b>2019</b> ,		5
38	The novel use of a SenseCam and accelerometer to validate training load and training information in a self-recall training diary. <i>Journal of Sports Sciences</i> , <b>2016</b> , 34, 303-10	3.6	5

37	Detection of Running Asymmetry Using a Wearable Sensor System. <i>Procedia Engineering</i> , <b>2015</b> , 112, 180-183		5
36	Simulation of the impact response of a sliotar core with linear and non-linear contact models. <i>International Journal of Impact Engineering</i> , <b>2012</b> , 50, 113-122	4	5
35	The Effect of Hip Extension and Nordic Hamstring Exercise Protocols on Hamstring Strength: A Randomized Controlled Trial. <i>Journal of Strength and Conditioning Research</i> , <b>2021</b> , 35, 2682-2689	3.2	5
34	Nonsteroidal anti-inflammatory drug use, knowledge, and behaviors around their use and misuse in Irish collegiate student-athletes. <i>Physician and Sportsmedicine</i> , <b>2019</b> , 47, 318-322	2.4	5
33	Can a Single-Leg Squat Provide Insight into Movement Control and Loading During Dynamic Sporting Actions in Patients With Athletic Groin Pain?. <i>Journal of Sport Rehabilitation</i> , <b>2016</b> , 25, 117-125	1.7	4
32	Is Poor Hamstring Flexibility a Risk Factor for Hamstring Injury in Gaelic Games?. <i>Journal of Sport Rehabilitation</i> , <b>2019</b> , 28, 677-681	1.7	4
31	Reliability of a Modified Active Knee Extension Test for Assessment of Hamstring Flexibility. <i>International Journal of Athletic Therapy and Training</i> , <b>2015</b> , 20, 32-36	0.3	4
30	An automatic visual analysis system for tennis. <i>Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology</i> , <b>2013</b> , 227, 273-288	0.7	4
29	Rehabilitation interventions need more than methodological standardisation: an individualised approach. <i>BMJ Open Sport and Exercise Medicine</i> , <b>2020</b> , 6, e000899	3.4	4
28	An interactive segmentation tool for quantifying fat in lumbar muscles using axial lumbar-spine MRI. <i>Irbm</i> , <b>2016</b> , 37, 11-22	4.8	4
27	Quantifying cycling as a foundational movement skill in early childhood. <i>Journal of Science and Medicine in Sport</i> , <b>2020</b> , 23, 171-175	4.4	4
26	A qualitative exploration of cardiovascular disease patients' views and experiences with an eHealth cardiac rehabilitation intervention: The PATHway Project. <i>PLoS ONE</i> , <b>2020</b> , 15, e0235274	3.7	3
25	Automatic Detection, Extraction, and Analysis of Landing During a Training Session, Using a Wearable Sensor System. <i>Procedia Engineering</i> , <b>2015</b> , 112, 184-189		3
24	The effects of limb dominance and a short term, high intensity exercise protocol on both landings of the vertical drop jump: implications for the vertical drop jump as a screening tool. <i>Sports Biomechanics</i> , <b>2018</b> , 17, 541-553	2.2	3
23	A Multi-Modal 3D Capturing Platform for Learning and Preservation of Traditional Sports and Games <b>2015</b> ,		3
22	Can a Standardized Visual Assessment of Squatting Technique and Core Stability Predict Injury?. <i>Journal of Strength and Conditioning Research</i> , <b>2020</b> , 34, 26-36	3.2	3
21	Hip Muscle Strength Explains Only 11% of the Improvement in HAGOS With an Intersegmental Approach to Successful Rehabilitation of Athletic Groin Pain. <i>American Journal of Sports Medicine</i> , <b>2021</b> , 49, 2994-3003	6.8	3
20	Can a Single-Leg Squat Provide Insight Into Movement Control and Loading During Dynamic Sporting Actions in Patients With Athletic Groin Pain?. <i>Journal of Sport Rehabilitation</i> , <b>2016</b> , 25, 117-25	1.7	3

19	Development and reliability of the KIM cycling scale as a measurement tool for the development process to cycling independently. <i>Physical Education and Sport Pedagogy</i> , <b>2020</b> , 25, 174-187	3.8	2
18	Automatic detection, extraction and analysis of unrestrained gait using a wearable sensor system. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2015</b> , 2015, 2034-7	0.9	2
17	Activity Recognition of Local Muscular Endurance (LME) Exercises Using an Inertial Sensor. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 35-47	0.4	2
16	Design and Development of the MedFit App: A Mobile Application for Cardiovascular Disease Rehabilitation. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2018</b> , 20-28	0.2	2
15	A General-Purpose Taxonomy of Computer-Augmented Sports Systems <b>2009</b> , 19-35		2
14	Fear Avoidance After Injury and Readiness to Return to Sport in Collegiate Male and Female Gaelic Games Players. <i>Sports Health</i> , <b>2021</b> , 13, 532-539	4.7	2
13	A Technology Platform for Enabling Behavioural Change as a "PATHway" Towards Better Self-management of CVD <b>2016</b> ,		2
12	How actual motor competence and perceived motor competence influence motor-skill engagement of a novel cycling task. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2019</b> , 29, 1583-1590	4.6	1
11	Can the Y balance test identify those at risk of contact or non-contact lower extremity injury in adolescent and collegiate Gaelic games?. <i>Journal of Science and Medicine in Sport</i> , <b>2020</b> , 23, 943-948	4.4	1
10	MedFit <b>2017</b> ,		1
9	The effects of electrode placement on an automated algorithm for detecting ST segment changes on the 12-lead ECG <b>2015</b> ,		1
8	Can Directed Compliant Running Reduce the Magnitude of Variables Associated With the Development of Running Injuries?. <i>Journal of Strength and Conditioning Research</i> , <b>2020</b> ,	3.2	1
7	Feature Learning to Automatically Assess Radiographic Knee Osteoarthritis Severity. <i>Intelligent Systems Reference Library</i> , <b>2020</b> , 9-93	0.8	1
6	A Deep Learning Model for Exercise-Based Rehabilitation Using Multi-channel Time-Series Data from a Single Wearable Sensor. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2021</b> , 104-115	0.2	1
5	Small Step Frequency Changes Due to Footwear Condition Have No Effect on Running Economy. <i>Sports Medicine International Open</i> , <b>2018</b> , 2, E41-E45	1.7	1
4	Does stammering act as a barrier to exercise and sport in Irish adults who stammer?. <i>Journal of Fluency Disorders</i> , <b>2021</b> , 70, 105880	2.3	0
3	Development of an Internet of Things Technology Platform (the NEX System) to Support Older Adults to Live Independently: Protocol for a Development and Usability Study.. <i>JMIR Research Protocols</i> , <b>2022</b> , 11, e35277	2	0
2	Letter to the editor regarding "Application of principal component analysis in clinical gait research" by Federolf and colleagues. <i>Journal of Biomechanics</i> , <b>2014</b> , 47, 1554-5	2.9	

- 1 Epidemiology of injury in male Irish secondary school adolescents in one academic year.  
*Physiotherapy Practice and Research*, **2015**, 37, 11-18

o.8