

# Roy T H Cheung

## List of Publications by Year in Descending Order

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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.

94  
papers

1,521  
citations

22  
h-index

35  
g-index

100  
ext. papers

1,869  
ext. citations

3.1  
avg, IF

5.07  
L-index

#	Paper	IF	Citations
94	The influence of running shoes on familiarization time for treadmill running biomechanics evaluation.. <i>Sports Biomechanics</i> , <b>2022</b> , 1-14	2.2	1
93	Effectiveness of gait retraining interventions in individuals with hip or knee osteoarthritis: A systematic review and meta-analysis.. <i>Gait and Posture</i> , <b>2022</b> , 95, 164-175	2.6	
92	Strike index estimation using a convolutional neural network with a single, shoe-mounted inertial sensor. <i>Journal of Biomechanics</i> , <b>2022</b> , 111145	2.9	1
91	Running biomechanics before and after Pose <sup>®</sup> method gait retraining in distance runners. <i>Sports Biomechanics</i> , <b>2021</b> , 20, 958-973	2.2	1
90	Evaluation of COVID-19 Restrictions on Distance Runners' Training Habits Using Wearable Trackers.. <i>Frontiers in Sports and Active Living</i> , <b>2021</b> , 3, 812214	2.3	1
89	Gait difference between children aged 9 to 12 with and without potential depressive mood. <i>Gait and Posture</i> , <b>2021</b> , 91, 126-130	2.6	
88	How Foot Progression Angle Affects Knee Adduction Moment and Angular Impulse in Patients With and Without Medial Knee Osteoarthritis: A Meta-Analysis. <i>Arthritis Care and Research</i> , <b>2021</b> , 73, 1763-1776	4.7	7
87	Self-selected running gait modifications reduce acute impact loading, awkwardness, and effort. <i>Sports Biomechanics</i> , <b>2021</b> , 1-14	2.2	
86	Effect of minimalist and maximalist shoes on impact loading and footstrike pattern in habitual rearfoot strike trail runners: An in-field study. <i>European Journal of Sport Science</i> , <b>2021</b> , 21, 183-191	3.9	5
85	Biomechanical effects following footstrike pattern modification using wearable sensors. <i>Journal of Science and Medicine in Sport</i> , <b>2021</b> , 24, 30-35	4.4	2
84	Difference in the running biomechanics between preschoolers and adults. <i>Brazilian Journal of Physical Therapy</i> , <b>2021</b> , 25, 162-167	3.7	2
83	How do training experience and geographical origin of a runner affect running biomechanics?. <i>Gait and Posture</i> , <b>2021</b> , 84, 209-214	2.6	0
82	Training and technique choices predict self-reported running injuries: An international study. <i>Physical Therapy in Sport</i> , <b>2021</b> , 48, 83-90	3	2
81	Footstrike angle cut-off values to classify footstrike pattern in runners. <i>Research in Sports Medicine</i> , <b>2021</b> , 1-11	3.8	1
80	Sensor-Based Gait Retraining Lowers Knee Adduction Moment and Improves Symptoms in Patients with Knee Osteoarthritis: A Randomized Controlled Trial. <i>Sensors</i> , <b>2021</b> , 21,	3.8	2
79	The effect of support surface and footwear condition on postural sway and lower limb muscle action of the older women. <i>PLoS ONE</i> , <b>2020</b> , 15, e0234140	3.7	5
78	Real-Time Estimation of Knee Adduction Moment for Gait Retraining in Patients With Knee Osteoarthritis. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2020</b> , 28, 888-894	4.8	12

77	Effects of heel-toe drop on running biomechanics and perceived comfort of rearfoot strikers in standard cushioned running shoes. <i>Footwear Science</i> , <b>2020</b> , 12, 91-99	1.4	7
76	The effects of midfoot strike gait retraining on impact loading and joint stiffness. <i>Physical Therapy in Sport</i> , <b>2020</b> , 42, 139-145	3	4
75	Effects of deceptive footwear condition on subjective comfort and running biomechanics. <i>Translational Sports Medicine</i> , <b>2020</b> , 3, 256-262	1.3	5
74	Modulating the Structure of Motor Variability for Skill Learning Through Specific Muscle Synergies in Elderlies and Young Adults.. <i>IEEE Open Journal of Engineering in Medicine and Biology</i> , <b>2020</b> , 1, 33-40	5.9	9
73	Bilateral asymmetry of running gait in competitive, recreational and novice runners at different speeds. <i>Human Movement Science</i> , <b>2020</b> , 71, 102600	2.4	8
72	An investigation of in-ear sensing for motor task classification. <i>Journal of Neural Engineering</i> , <b>2020</b> ,	5	1
71	Classification of runners performance levels with concurrent prediction of biomechanical parameters using data from inertial measurement units. <i>Journal of Biomechanics</i> , <b>2020</b> , 112, 110072	2.9	3
70	Plasticity of muscle synergies through fractionation and merging during development and training of human runners. <i>Nature Communications</i> , <b>2020</b> , 11, 4356	17.4	20
69	Right Temporal Oscillations of Infants in Relation to Contingent Learning. <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>2020</b> , 2020, 3273-3276	0.9	1
68	The effect of support surface and footwear condition on postural sway and lower limb muscle action of the older women <b>2020</b> , 15, e0234140		
67	The effect of support surface and footwear condition on postural sway and lower limb muscle action of the older women <b>2020</b> , 15, e0234140		
66	The effect of support surface and footwear condition on postural sway and lower limb muscle action of the older women <b>2020</b> , 15, e0234140		
65	The effect of support surface and footwear condition on postural sway and lower limb muscle action of the older women <b>2020</b> , 15, e0234140		
64	The effect of support surface and footwear condition on postural sway and lower limb muscle action of the older women <b>2020</b> , 15, e0234140		
63	The effect of support surface and footwear condition on postural sway and lower limb muscle action of the older women <b>2020</b> , 15, e0234140		
62	Comments on "Unsupervised gait retraining using a wireless pressure-detecting shoe insole". <i>Gait and Posture</i> , <b>2019</b> ,	2.6	
61	Can runners maintain a newly learned gait pattern outside a laboratory environment following gait retraining?. <i>Gait and Posture</i> , <b>2019</b> , 69, 8-12	2.6	5
60	Shoe-mounted accelerometers should be used with caution in gait retraining. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2019</b> , 29, 835-842	4.6	16

59	The biomechanical difference between running with traditional and 3D printed orthoses. <i>Journal of Sports Sciences</i> , <b>2019</b> , 37, 2191-2197	3.6	10
58	Neurophysiological Correlates of Gait Retraining With Real-Time Visual and Auditory Feedback. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2019</b> , 27, 1341-1349	4.8	10
57	Decreased tibial nerve movement in patients with failed back surgery syndrome and persistent leg pain. <i>European Spine Journal</i> , <b>2019</b> , 28, 2122-2128	2.7	1
56	Effects of foot progression angle adjustment on external knee adduction moment and knee adduction angular impulse during stair ascent and descent. <i>Human Movement Science</i> , <b>2019</b> , 64, 213-220 <sup>2,4</sup>	2.4	4
55	Foot strike pattern, step rate, and trunk posture combined gait modifications to reduce impact loading during running. <i>Journal of Biomechanics</i> , <b>2019</b> , 86, 102-109	2.9	16
54	Walking with head-mounted virtual and augmented reality devices: Effects on position control and gait biomechanics. <i>PLoS ONE</i> , <b>2019</b> , 14, e0225972	3.7	18
53	Transfer Learning Effects of Biofeedback Running Retraining in Untrained Conditions. <i>Medicine and Science in Sports and Exercise</i> , <b>2019</b> , 51, 1904-1908	1.2	5
52	Effects of footwear midsole thickness on running biomechanics. <i>Journal of Sports Sciences</i> , <b>2019</b> , 37, 1004-1010	3.6	14
51	Placebo effect of facilitatory Kinesio tape on muscle activity and muscle strength. <i>Physiotherapy Theory and Practice</i> , <b>2019</b> , 35, 157-162	1.5	15
50	Immediate and short-term biomechanical adaptation of habitual barefoot runners who start shod running. <i>Journal of Sports Sciences</i> , <b>2018</b> , 36, 451-455	3.6	7
49	Effect of foot progression angle adjustment on the knee adduction moment and knee joint contact force in runners with and without knee osteoarthritis. <i>Gait and Posture</i> , <b>2018</b> , 61, 34-39	2.6	3
48	Gait Retraining for the Reduction of Injury Occurrence in Novice Distance Runners: 1-Year Follow-up of a Randomized Controlled Trial. <i>American Journal of Sports Medicine</i> , <b>2018</b> , 46, 388-395	6.8	81
47	Type effect of inhibitory KT tape on measured vs. perceived maximal grip strength. <i>Journal of Bodywork and Movement Therapies</i> , <b>2018</b> , 22, 639-642	1.6	5
46	Biomechanical Outcomes Due to Impact Loading in Runners While Looking Sideways. <i>Journal of Applied Biomechanics</i> , <b>2018</b> , 1-14	1.2	4
45	Immediate and short-term effects of gait retraining on the knee joint moments and symptoms in patients with early tibiofemoral joint osteoarthritis: a randomized controlled trial. <i>Osteoarthritis and Cartilage</i> , <b>2018</b> , 26, 1479-1486	6.2	32
44	Do running speed and shoe cushioning influence impact loading and tibial shock in basketball players?. <i>PeerJ</i> , <b>2018</b> , 6, e4753	3.1	7
43	Control of impact loading during distracted running before and after gait retraining in runners. <i>Journal of Sports Sciences</i> , <b>2018</b> , 36, 1497-1501	3.6	10
42	Can the Newly Learnt Gait Pattern after Running Retraining be Translated to Untrained Conditions?. <i>Medicine and Science in Sports and Exercise</i> , <b>2018</b> , 50, 373	1.2	

41	Impact Loading During Distracted Running Before and After Auditory Gait Retraining. <i>International Journal of Sports Medicine</i> , <b>2018</b> , 39, 1075-1080	3.6	12
40	Does maximalist footwear lower impact loading during level ground and downhill running?. <i>European Journal of Sport Science</i> , <b>2018</b> , 18, 1083-1089	3.9	28
39	Chinese translation and validation of the Oxford Knee Scale for patients with knee osteoarthritis. <i>Hong Kong Physiotherapy Journal</i> , <b>2017</b> , 37, 46-49	1	4
38	Measurement agreement between a newly developed sensing insole and traditional laboratory-based method for footstrike pattern detection in runners. <i>PLoS ONE</i> , <b>2017</b> , 12, e0175724	3.7	7
37	Effects of Kinesio tape in individuals with lateral epicondylitis: A deceptive crossover trial. <i>Physiotherapy Theory and Practice</i> , <b>2017</b> , 33, 914-919	1.5	21
36	Relationship between foot strike pattern, running speed, and footwear condition in recreational distance runners. <i>Sports Biomechanics</i> , <b>2017</b> , 16, 238-247	2.2	18
35	A new footwear technology to promote non-heelstrike landing and enhance running performance: Fact or fad?. <i>Journal of Sports Sciences</i> , <b>2017</b> , 35, 1533-1537	3.6	13
34	Do rotational shear-cushioning shoes influence horizontal ground reaction forces and perceived comfort during basketball cutting maneuvers?. <i>PeerJ</i> , <b>2017</b> , 5, e4086	3.1	10
33	Kinesiology tape does not promote vertical jumping performance: A deceptive crossover trial. <i>Manual Therapy</i> , <b>2016</b> , 21, 89-93		18
32	Facilitatory and inhibitory effects of Kinesio tape: Fact or fad?. <i>Journal of Science and Medicine in Sport</i> , <b>2016</b> , 19, 109-12	4.4	48
31	Effects of footwear on running economy in distance runners: A meta-analytical review. <i>Journal of Science and Medicine in Sport</i> , <b>2016</b> , 19, 260-266	4.4	24
30	Intrinsic foot muscle volume in experienced runners with and without chronic plantar fasciitis. <i>Journal of Science and Medicine in Sport</i> , <b>2016</b> , 19, 713-5	4.4	30
29	Immediate effects of modified landing pattern on a probabilistic tibial stress fracture model in runners. <i>Clinical Biomechanics</i> , <b>2016</b> , 33, 49-54	2.2	25
28	A validation study of a smartphone application for functional mobility assessment of the elderly. <i>Hong Kong Physiotherapy Journal</i> , <b>2016</b> , 35, 1-4	1	8
27	Effects of training in minimalist shoes on the intrinsic and extrinsic foot muscle volume. <i>Clinical Biomechanics</i> , <b>2016</b> , 36, 8-13	2.2	42
26	Comparison of the correlations between impact loading rates and peak accelerations measured at two different body sites: Intra- and inter-subject analysis. <i>Gait and Posture</i> , <b>2016</b> , 46, 53-6	2.6	15
25	Chinese adaptation and validation of the Knee Injury and Osteoarthritis Outcome Score (KOOS) in patients with knee osteoarthritis. <i>Rheumatology International</i> , <b>2016</b> , 36, 1449-54	3.6	7
24	Relationship between personal psychological capitals, stress level, and performance in marathon runners. <i>Hong Kong Physiotherapy Journal</i> , <b>2015</b> , 33, 67-72	1	0

23	Lower limb reaction force asymmetry in rowers with and without a history of back injury. <i>Sports Biomechanics</i> , <b>2015</b> , 14, 375-83	2.2	5
22	Kinesiology tape does not facilitate muscle performance: A deceptive controlled trial. <i>Manual Therapy</i> , <b>2015</b> , 20, 130-3		42
21	Effects of Surface Inclination on the Vertical Loading Rates and Landing Pattern during the First Attempt of Barefoot Running in Habitual Shod Runners. <i>BioMed Research International</i> , <b>2015</b> , 2015, 2401-53	2.3	26
20	Landing pattern and vertical loading rates during first attempt of barefoot running in habitual shod runners. <i>Human Movement Science</i> , <b>2014</b> , 34, 120-7	2.4	51
19	Different relationships between the level of patellofemoral pain and quality of life in professional and amateur athletes. <i>PM and R</i> , <b>2013</b> , 5, 568-72	2.2	15
18	Automatic determination of an anatomical coordinate system for a three-dimensional model of the human patella. <i>Journal of Biomechanics</i> , <b>2013</b> , 46, 2093-6	2.9	15
17	Non-invasive measurement of the patellofemoral movements during knee extension-flexion: a validation study. <i>Knee</i> , <b>2013</b> , 20, 213-7	2.6	7
16	Chinese adaptation and validation of the patellofemoral pain severity scale. <i>Clinical Rehabilitation</i> , <b>2013</b> , 27, 468-72	3.3	5
15	Isokinetic knee function in healthy subjects with and without Kinesio taping. <i>Physical Therapy in Sport</i> , <b>2012</b> , 13, 255-8	3	88
14	Chinese translation and validation of the Kujala scale for patients with patellofemoral pain. <i>Disability and Rehabilitation</i> , <b>2012</b> , 34, 510-3	2.4	28
13	Upper limb muscle fatigue during prolonged Boccia games with underarm throwing technique. <i>Sports Biomechanics</i> , <b>2012</b> , 11, 441-51	2.2	16
12	Patellofemoral pain during step descents with and without fatigue-induced hip internal rotation. <i>Hong Kong Physiotherapy Journal</i> , <b>2012</b> , 30, 13-17	1	
11	Validation and reliability of the Physical Activity Scale for the Elderly in Chinese population. <i>Journal of Rehabilitation Medicine</i> , <b>2012</b> , 44, 462-5	3.4	53
10	H:q ratios and bilateral leg strength in college field and court sports players. <i>Journal of Human Kinetics</i> , <b>2012</b> , 33, 63-71	2.6	64
9	Effects of motion control footwear on running: a systematic review. <i>Journal of Sports Sciences</i> , <b>2011</b> , 29, 1311-9	3.6	27
8	Enforced bipedal downhill running induces Achilles tendinosis in rats. <i>Connective Tissue Research</i> , <b>2011</b> , 52, 466-71	3.3	28
7	Landing pattern modification to improve patellofemoral pain in runners: a case series. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , <b>2011</b> , 41, 914-9	4.2	176
6	Efficacies of different external controls for excessive foot pronation: a meta-analysis. <i>British Journal of Sports Medicine</i> , <b>2011</b> , 45, 743-51	10.3	53

5	Motion control shoe delays fatigue of shank muscles in runners with overpronating feet. <i>American Journal of Sports Medicine</i> , <b>2010</b> , 38, 486-91	6.8	15
4	Motion control shoe affects temporal activity of quadriceps in runners. <i>British Journal of Sports Medicine</i> , <b>2009</b> , 43, 943-7	10.3	13
3	Influence of different footwear on force of landing during running. <i>Physical Therapy</i> , <b>2008</b> , 88, 620-8	3.3	29
2	Efficacy of motion control shoes for reducing excessive rearfoot motion in fatigued runners. <i>Physical Therapy in Sport</i> , <b>2007</b> , 8, 75-81	3	38
1	Association of footwear with patellofemoral pain syndrome in runners. <i>Sports Medicine</i> , <b>2006</b> , 36, 199-205	5.6	33