Mickael Begon

List of Publications by Year
in descending order

150 papers	2,367 citations	257450 24 h-index	315739 38 g-index
160 all docs	160 docs citations	160 times ranked	1918 citing authors

#	Article	IF	Citations
1	Bioptim, a Python Framework for Musculoskeletal Optimal Control in Biomechanics. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2023, 53, 321-332.	9.3	6
2	Effect of Expertise on Shoulder and Upper Limb Kinematics, Electromyography, and Estimated Muscle Forces During a Lifting Task. Human Factors, 2022, 64, 800-819.	3.5	6
3	Shoulder electromyography-based indicators to assess manifestation of muscle fatigue during laboratory-simulated manual handling task. Ergonomics, 2022, 65, 118-133.	2.1	10
4	Understanding the role of foot biomechanics on regional foot orthosis deformation in flatfoot individuals during walking. Gait and Posture, 2022, 91, 117-125.	1.4	9
5	Reliability of the kinematic theory parameters during handwriting tasks on a vertical setup. Biomedical Signal Processing and Control, 2022, 71, 103157.	5.7	2
6	Effect of 3D printed foot orthoses stiffness on muscle activity and plantar pressures in individuals with flexible flatfeet: A statistical non-parametric mapping study. Clinical Biomechanics, 2022, 92, 105553.	1.2	5
7	Numerical homogenization of a linearly elastic honeycomb lattice structure and comparison with analytical and experimental results. Mechanics of Materials, 2022, 167, 104210.	3.2	16
8	Optimal forward twisting pike somersault without self-collision. Sports Biomechanics, 2022, , 1-18.	1.6	1
9	Computationally efficient model to predict the deformations of a cellular foot orthotic. Computers in Biology and Medicine, 2022, 146, 105532.	7.0	3
10	Moment arms of the deltoid, infraspinatus and teres minor muscles for movements with high range of motion: A cadaveric study. Clinical Biomechanics, 2022, 97, 105685.	1.2	0
11	Alterations in scapulothoracic and humerothoracic kinematics during the tennis serve in adolescent players with a history of shoulder problems. Sports Biomechanics, 2021, 20, 165-177.	1.6	7
12	Optimal 3D arm strategies for maximizing twist rotation during somersault of a rigid-body model. Multibody System Dynamics, 2021, 52, 193-209.	2.7	11
13	Intra- and inter-tester reliability of spasticity assessment in standing position in children and adolescents with cerebral palsy using a paediatric exoskeleton. Disability and Rehabilitation, 2021, 43, 1001-1007.	1.8	6
14	biorbd: A C++, Python and MATLAB library to analyze and simulate the human body biomechanics. Journal of Open Source Software, 2021, 6, 2562.	4.6	14
15	ezc3d: An easy C3D file I/O cross-platform solution for C++, Python and MATLAB. Journal of Open Source Software, 2021, 6, 2911.	4.6	4
16	Real-Time and Dynamically Consistent Estimation of Muscle Forces Using a Moving Horizon EMG-Marker Tracking Algorithmâ€"Application to Upper Limb Biomechanics. Frontiers in Bioengineering and Biotechnology, 2021, 9, 642742.	4.1	11
17	Exhausting repetitive piano tasks lead to local forearm manifestation of muscle fatigue and negatively affect musical parameters. Scientific Reports, 2021, 11, 8117.	3.3	19
18	Anti-pronator components are essential to effectively alter lower-limb kinematics and kinetics in individuals with flexible flatfeet. Clinical Biomechanics, 2021, 86, 105390.	1.2	13

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19	The Effects of Knee Flexion on Tennis Serve Performance of Intermediate Level Tennis Players. Sensors, 2021, 21, 5254.	3.8	3
20	How Do Violinists Adapt to Dynamic Assistive Support? A Study Focusing on Kinematics, Muscle Activity, and Musical Performance. Human Factors, 2021, , 001872082110334.	3.5	4
21	Proximal-to-Distal Sequences of Attack and Release Movements of Expert Pianists during Pressed-Staccato Keystrokes. Journal of Motor Behavior, 2021, , 1-11.	0.9	6
22	Glenohumeral joint and muscles functions during a lifting task. Journal of Biomechanics, 2021, 126, 110641.	2.1	6
23	Closed-loop multibody kinematic optimization coupled with double calibration improves scapular kinematic estimates in asymptomatic population. Journal of Biomechanics, 2021, 126, 110653.	2.1	4
24	Effect of Bow Camber and Mass Distribution on Violinists' Preferences and Performance. Frontiers in Psychology, 2021, 12, 769831.	2.1	0
25	Does Reducing Sedentarity With Standing Desks Hinder Cognitive Performance?. Human Factors, 2020, 62, 603-612.	3.5	8
26	Can foot orthoses impose different gait features based on geometrical design in healthy subjects? A systematic review and meta-analysis. Foot, 2020, 42, 101646.	1.1	12
27	Effect of 3D printed foot orthoses stiffness and design on foot kinematics and plantar pressures in healthy people. Gait and Posture, 2020, 81, 247-253.	1.4	19
28	Time history of upper-limb muscle activity during isolated piano keystrokes. Journal of Electromyography and Kinesiology, 2020, 54, 102459.	1.7	8
29	Effect of low dose robotic-gait training on walking capacity in children and adolescents with cerebral palsy. Neurophysiologie Clinique, 2020, 50, 507-519.	2.2	26
30	Influence of glenohumeral joint muscle insertion on moment arms using a finite element model. Computer Methods in Biomechanics and Biomedical Engineering, 2020, 23, 1117-1126.	1.6	5
31	Shoulder muscle activation strategies differ when lifting or lowering a load. European Journal of Applied Physiology, 2020, 120, 2417-2429.	2.5	5
32	Optimal Control as a Tool for Innovation in Aerial Twisting on a Trampoline. Applied Sciences (Switzerland), 2020, 10, 8363.	2.5	4
33	Two efficient static optimization algorithms that account for muscle-tendon equilibrium: approaching the constraint Jacobian via a constant or a cubic spline function. Computer Methods in Biomechanics and Biomedical Engineering, 2020, 23, 703-709.	1.6	3
34	Predicting foot orthosis deformation based on its contour kinematics during walking. PLoS ONE, 2020, 15, e0232677.	2.5	4
35	EMG-Assisted Algorithm to Account for Shoulder Muscles Co-Contraction in Overhead Manual Handling. Applied Sciences (Switzerland), 2020, 10, 3522.	2.5	12
36	Central and Peripheral Shoulder Fatigue Pre-screening Using the Sigmaâ€“Lognormal Model: A Proof of Concept. Frontiers in Human Neuroscience, 2020, 14, 171.	2.0	8

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37	Effects of Trunk Motion, Touch, and Articulation on Upper-Limb Velocities and on Joint Contribution to Endpoint Velocities During the Production of Loud Piano Tones. Frontiers in Psychology, 2020, 11, 1159.	2.1	17
38	Sex differences in upper limb musculoskeletal biomechanics during a lifting task. Applied Ergonomics, 2020, 86, 103106.	3.1	15
39	pyomeca: An Open-Source Framework for Biomechanical Analysis. Journal of Open Source Software, 2020, 5, 2431.	4.6	8
40	Muscle activation profiles based on the proportionality hypothesis of the Kinematic Theory of Human Movements. , 2020, , .		0
41	Predicting foot orthosis deformation based on its contour kinematics during walking. , 2020, 15, e0232677.		0
42	Predicting foot orthosis deformation based on its contour kinematics during walking. , 2020, 15, e0232677.		0
43	Predicting foot orthosis deformation based on its contour kinematics during walking. , 2020, 15, e0232677.		0
44	Predicting foot orthosis deformation based on its contour kinematics during walking. , 2020, 15, e0232677.		0
45	The effect of intracortical bone pin on shoulder kinematics during dynamic activities. International Biomechanics, 2019, 6, 47-53.	1.0	2
46	Sex differences in glenohumeral muscle activation and coactivation during a box lifting task. Ergonomics, 2019, 62, 1327-1338.	2.1	10
47	Motion analysis and modeling of the shoulder. , 2019, , 261-271.		1
48	Health and productivity at work: which active workstation for which benefits: a systematic review. Occupational and Environmental Medicine, 2019, 76, 281-294.	2.8	33
49	Sex differences in upper limb 3D joint contributions during a lifting task. Ergonomics, 2019, 62, 682-693.	2.1	12
50	An Optimization Method Tracking EMG, Ground Reactions Forces, and Marker Trajectories for Musculo-Tendon Forces Estimation in Equinus Gait. Frontiers in Neurorobotics, 2019, 13, 48.	2.8	14
51	Sensitivity of Shoulder Musculoskeletal Model Predictions to Muscleâ€“Tendon Properties. IEEE Transactions on Biomedical Engineering, 2019, 66, 1309-1317.	4.2	7
52	Test-retest reliability of a hip strength assessment system in varsity soccer players. Physical Therapy in Sport, 2019, 37, 138-143.	1.9	27
53	Use of Active Workstations in Individuals with Overweight or Obesity: A Systematic Review. Obesity, 2019, 27, 362-379.	3.0	18
54	Evaluation of ligament laxity during pregnancy. Journal of Gynecology Obstetrics and Human Reproduction, 2019, 48, 351-357.	1.3	24

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55	Lower Trapezius Weakness and Shoulder Complex Biomechanics during the Tennis Serve. Medicine and Science in Sports and Exercise, 2019, 51, 2531-2539.	0.4	6
56	Reliability of maximum isometric hip and knee torque measurements in children with cerebral palsy using a paediatric exoskeleton â€“ Lokomat. Neurophysiologie Clinique, 2019, 49, 335-342.	2.2	12
57	Cluster analysis using physical performance and self-report measures to identify shoulder injury in overhead female athletes. Journal of Science and Medicine in Sport, 2019, 22, 269-274.	1.3	13
58	Lower limb extension is improved in fast walking condition in children who walk in crouch gait. Disability and Rehabilitation, 2019, 41, 3210-3215.	1.8	8
59	Do relevant shear forces appear in isokinetic shoulder testing to be implemented in biomechanical models?. Journal of Biomechanics, 2018, 72, 241-246.	2.1	2
60	Which data should be tracked in forward-dynamic optimisation to best predict muscle forces in a pathological co-contraction case?. Journal of Biomechanics, 2018, 68, 99-106.	2.1	9
61	Shoulder range of motion and strength in young competitive tennis players with and without history of shoulder problems. Physical Therapy in Sport, 2018, 31, 22-28.	1.9	16
62	Muscle recruitment patterns of the subscapularis, serratus anterior and other shoulder girdle muscles during isokinetic internal and external rotations. Journal of Sports Sciences, 2018, 36, 985-993.	2.0	21
63	Influence of Shoulder Kinematic Estimate on Joint and Muscle Mechanics Predicted by Musculoskeletal Model. IEEE Transactions on Biomedical Engineering, 2018, 65, 715-722.	4.2	21
64	Classification of upper limb disability levels of children with spastic unilateral cerebral palsy using K-means algorithm. Medical and Biological Engineering and Computing, 2018, 56, 49-59.	2.8	8
65	Effects of Self-Myofascial Release on Shoulder Function and Perception in Adolescent Tennis Players. Journal of Sport Rehabilitation, 2018, 27, 530-535.	1.0	21
66	Multibody Kinematics Optimization for the Estimation of Upper and Lower Limb Human Joint Kinematics: A Systematized Methodological Review. Journal of Biomechanical Engineering, 2018, 140, .	1.3	56
67	An EMG-marker tracking optimisation method for estimating muscle forces. Multibody System Dynamics, 2018, 42, 119-143.	2.7	17
68	Effect of foot orthosis design on lower limb joint kinematics and kinetics during walking in flexible pes planovalgus: A systematic review and meta-analysis. Clinical Biomechanics, 2018, 59, 117-129.	1.2	57
69	Implementation of Active Workstations in University Librariesâ€”A Comparison of Portable Pedal Exercise Machines and Standing Desks. International Journal of Environmental Research and Public Health, 2018, 15, 1242.	2.6	11
70	Sex differences in kinematic adaptations to muscle fatigue induced by repetitive upper limb movements. Biology of Sex Differences, 2018, 9, 17.	4.1	34
71	Effect of the phase of force production on corticomuscular coherence with agonist and antagonist muscles. European Journal of Neuroscience, 2018, 48, 3288-3298.	2.6	13
72	Changes in movement variability and task performance during a fatiguing repetitive pointing task. Journal of Biomechanics, 2018, 76, 212-219.	2.1	48

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73	Adaptive Alterations in Shoulder Range of Motion and Strength in Young Tennis Players. Journal of Athletic Training, 2017, 52, 137-144.	1.8	37
74	Standardization proposal of soft tissue artefact description for data sharing in human motion measurements. Journal of Biomechanics, 2017, 62, 5-13.	2.1	65
75	Effect of various upper limb multibody models on soft tissue artefact correction: A case study. Journal of Biomechanics, 2017, 62, 102-109.	2.1	24
76	Comparison between line and surface mesh models to represent the rotator cuff muscle geometry in musculoskeletal models. Computer Methods in Biomechanics and Biomedical Engineering, 2017, 20, 1175-1181.	1.6	9
77	Use of electromyography to optimize Lokomat Â® settings for subject-specific gait rehabilitation in post-stroke hemiparetic patients: A proof-of-concept study. Neurophysiologie Clinique, 2017, 47, 293-299.	2.2	12
78	Kinematic models of the upper limb joints for multibody kinematics optimisation: An overview. Journal of Biomechanics, 2017, 62, 87-94.	2.1	60
79	Comparison of rotation tensor extracted from affine approximation and least square optimization. Computer Methods in Biomechanics and Biomedical Engineering, 2017, 20, S49-S50.	1.6	0
80	Muscular activity variations of the right bowing arm of the violin player. Computer Methods in Biomechanics and Biomedical Engineering, 2017, 20, S71-S72.	1.6	5
81	Scapulohumeral rhythm in young tennis players. Computer Methods in Biomechanics and Biomedical Engineering, 2017, 20, S93-S94.	1.6	1
82	Multibody kinematics optimization with marker projection improves the accuracy of the humerus rotational kinematics. Journal of Biomechanics, 2017, 62, 117-123.	2.1	12
83	Main component of soft tissue artifact of the upper-limbs with respect to different functional, daily life and sports movements. Journal of Biomechanics, 2017, 62, 39-46.	2.1	24
84	Methodology to Customize Maximal Isometric Forces for Hill-Type Muscle Models. Journal of Applied Biomechanics, 2017, 33, 80-86.	0.8	4
85	Squatphy: Assessing squats with low-cost technologies. , 2017, , .		1
86	A serious game for gait rehabilitation with the Lokomat. , 2017, , .		6
87	Urban legends in gait analysis. Movement and Sports Sciences - Science Et Motricite, 2017, , 5-11.	0.3	0
88	Identification of the contribution of contact and aerial biomechanical parameters in acrobatic performance. PLoS ONE, 2017, 12, e0172083.	2.5	7
89	Muscle function in glenohumeral joint stability during lifting task. PLoS ONE, 2017, 12, e0189406.	2.5	21
90	Scapular kinematic reconstruction â€“ segmental optimization, multibody optimization with open-loop or closed-loop chains: which one should be preferred?. International Biomechanics, 2017, 4, 86-94.	1.0	14

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91	Scapulohumeral rhythm relative to active range of motion in patients with symptomatic rotator cuff tears. Journal of Shoulder and Elbow Surgery, 2016, 25, 1616-1622.	2.6	17
92	Effect of wobbling mass modeling on joint dynamics during human movements with impacts. Multibody System Dynamics, 2016, 38, 345-366.	2.7	8
93	Graphical User Interface to Identify Optimal Combinations of Isometric Normalization Tests for the Production of Maximum Voluntary Activation of the Shoulder Muscles. Archives of Physical Medicine and Rehabilitation, 2016, 97, 1597-1598.	0.9	0
94	Intra- and Intersession Reliability of Surface Electromyography on Muscles Actuating the Forearm During Maximum Voluntary Contractions. Journal of Applied Biomechanics, 2016, 32, 558-570.	0.8	15
95	Determining in vivo sternoclavicular, acromioclavicular and glenohumeral joint centre locations from skin markers, CT-scans and intracortical pins: A comparison study. Medical Engineering and Physics, 2016, 38, 290-296.	1.7	29
96	Optimal Combinations of Isometric Normalization Tests for the Production of Maximum Voluntary Activation of the Shoulder Muscles. Archives of Physical Medicine and Rehabilitation, 2016, 97, 1542-1551.e2.	0.9	26
97	Distance between rotator cuff footprints and the acromion, coracoacromial ligament, and coracoid process during dynamic arm elevations: Preliminary observations. Manual Therapy, 2016, 25, 94-99.	1.6	6
98	The effects of plane and arc of elevation on electromyography of shoulder musculature in patients with rotator cuff tears. Clinical Biomechanics, 2016, 32, 194-200.	1.2	6
99	A chain kinematic model to assess the movement of lower-limb including wobbling masses. Computer Methods in Biomechanics and Biomedical Engineering, 2016, 19, 707-716.	1.6	11
100	Glenohumeral joint kinematics measured by intracortical pins, reflective markers, and computed tomography: A novel technique to assess acromiohumeral distance. Journal of Electromyography and Kinesiology, 2016, 29, 4-11.	1.7	11
101	Local versus global optimal sports techniques in a group of athletes. Computer Methods in Biomechanics and Biomedical Engineering, 2015, 18, 829-838.	1.6	8
102	Glenohumeral translations during range-of-motion movements, activities of daily living, and sports activities in healthy participants. Clinical Biomechanics, 2015, 30, 1002-1007.	1.2	14
103	Superficial shoulder muscle co-activations during lifting tasks: Influence of lifting height, weight and phase. Journal of Electromyography and Kinesiology, 2015, 25, 355-362.	1.7	27
104	Three-dimensional vertebral wedging and pelvic asymmetries in the early stages of adolescent idiopathic scoliosis. Spine Journal, 2015, 15, 477-486.	1.3	16
105	Effects of frontal and sagittal thorax attitudes in gait on trunk and pelvis three-dimensional kinematics. Medical Engineering and Physics, 2015, 37, 1032-1036.	1.7	7
106	Mechanical risk of rotator cuff repair failure during passive movements: A simulation-based study. Clinical Biomechanics, 2015, 30, 1181-1188.	1.2	2
107	Shoulder Coordination During Full-Can and Empty-Can Rehabilitation Exercises. Journal of Athletic Training, 2015, 50, 1117-1125.	1.8	9
108	Comparison and validation of five scapulothoracic models for correcting soft tissue artefact through multibody optimisation. Computer Methods in Biomechanics and Biomedical Engineering, 2015, 18, 2014-2015.	1.6	5

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109	3D shoulder kinematics for static vs dynamic and passive vs active testing conditions. Journal of Biomechanics, 2015, 48, 2976-2983.	2.1	8
110	Can optimal marker weightings improve thoracohumeral kinematics accuracy?. Journal of Biomechanics, 2015, 48, 2019-2025.	2.1	17
111	Effects of height and load weight on shoulder muscle work during overhead lifting task. Ergonomics, 2015, 58, 748-761.	2.1	30
112	Elucidating the scapulo-humeral rhythm calculation: 3D joint contribution method. Computer Methods in Biomechanics and Biomedical Engineering, 2015, 18, 249-258.	1.6	18
113	Refinement of the upper limb joint kinematics and dynamics using a subject-specific closed-loop forearm model. Multibody System Dynamics, 2015, 33, 413-438.	2.7	54
114	Measurement and Description of Three-Dimensional Shoulder Range of Motion With Degrees of Freedom Interactions. Journal of Biomechanical Engineering, 2014, 136, .	1.3	32
115	Kinematic model and elbow flexion interaction on shoulder range of motion. Computer Methods in Biomechanics and Biomedical Engineering, 2014, 17, 84-85.	1.6	0
116	Influence of gait speed on the control of mediolateral dynamic stability during gait initiation. Journal of Biomechanics, 2014, 47, 417-423.	2.1	94
117	Estimating joint kinematics of a whole body chain model with closed-loop constraints. Multibody System Dynamics, 2014, 31, 433-449.	2.7	32
118	Coupling between 3D displacements and rotations at the glenohumeral joint during dynamic tasks in healthy participants. Clinical Biomechanics, 2014, 29, 1048-1055.	1.2	31
119	Can one angle be simply subtracted from another to determine range of motion in three-dimensional motion analysis?. Computer Methods in Biomechanics and Biomedical Engineering, 2014, 17, 507-515.	1.6	17
120	Electromyographic activity in the shoulder musculature during resistance training exercises of the ipsilateral upper limb while wearing a shoulder orthosis. Journal of Shoulder and Elbow Surgery, 2014, 23, e140-e148.	2.6	7
121	Electromyographic activity in the immobilized shoulder musculature during ipsilateral elbow, wrist, and finger movements while wearing a shoulder orthosis. Journal of Shoulder and Elbow Surgery, 2013, 22, 1400-1407.	2.6	18
122	Optimal shoulder immobilization postures following surgical repair of rotator cuff tears: a simulation analysis. Journal of Shoulder and Elbow Surgery, 2013, 22, 1011-1018.	2.6	11
123	Estimating optimal shoulder immobilization postures following surgical repair of massive rotator cuff tears. Journal of Biomechanics, 2013, 46, 179-182.	2.1	13
124	Segment-embedded frame definition affects the hip joint centre precision during walking. Medical Engineering and Physics, 2013, 35, 1228-1234.	1.7	7
125	A numerical approach to assess the soft tissue artefact during human movement analysis. Computer Methods in Biomechanics and Biomedical Engineering, 2013, 16, 59-60.	1.6	0
126	Three-Dimensional Vertebral Wedging in Mild and Moderate Adolescent Idiopathic Scoliosis. PLoS ONE, 2013, 8, e71504.	2.5	26

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127	Pelvic Morphology, Body Posture and Standing Balance Characteristics of Adolescent Able-Bodied and Idiopathic Scoliosis Girls. PLoS ONE, 2013, 8, e70205.	2.5	19
128	Effect of Trunk Sagittal Attitude on Shoulder, Thorax and Pelvis Three-Dimensional Kinematics in Able-Bodied Subjects during Gait. PLoS ONE, 2013, 8, e77168.	2.5	15
129	Improvements in measuring shoulder joint kinematics. Journal of Biomechanics, 2012, 45, 2180-2183.	2.1	68
130	Assessment of reproducibility of thigh marker ranking during walking and landing tasks. Medical Engineering and Physics, 2012, 34, 1200-1208.	1.7	13
131	Identifying the criterion spontaneously minimized during the take-off phase of a sub-maximal long jump through optimal synthesis. Multibody System Dynamics, 2012, 28, 225-237.	2.7	4
132	Effect of stroke rate on paddle tip path in kayaking. Movement and Sports Sciences - Science Et Motricite, 2012, , 113-120.	0.3	0
133	Hip joint center localisation: A biomechanical application to hip arthroplasty population. World Journal of Orthopedics, 2012, 3, 131.	1.8	11
134	Determination of optimal placements of markers on the thigh during walking and landing. EPJ Web of Conferences, 2010, 6, 21005.	0.3	1
135	Accuracy of 3-D Reconstruction with Occlusions. Journal of Applied Biomechanics, 2010, 26, 104-108.	0.8	2
136	Lower limb contribution in kayak performance: modelling, simulation and analysis. Multibody System Dynamics, 2010, 23, 387-400.	2.7	30
137	Estimation of the 3D kinematics in kayak using an extended Kalman filter algorithm: a pilot study. Computer Methods in Biomechanics and Biomedical Engineering, 2010, 13, 55-56.	1.6	4
138	Effect of foot orthoses on magnitude and timing of rearfoot and tibial motions, ground reaction force and knee moment during running. Journal of Science and Medicine in Sport, 2009, 12, 679-684.	1.3	38
139	Measurement of contact forces on a kayak ergometer with a sliding footrestâ€“seat complex. Sports Engineering, 2009, 11, 67-73.	1.1	16
140	A method of providing accurate velocity feedback of performance on an instrumented kayak ergometer. Sports Engineering, 2009, 11, 57-65.	1.1	13
141	Computation of the 3D kinematics in a global frame over a 40 m-long pathway using a rolling motion analysis system. Journal of Biomechanics, 2009, 42, 2649-2653.	2.1	16
142	Effect of hip flexibility on optimal stalder performances on high bar. Computer Methods in Biomechanics and Biomedical Engineering, 2009, 12, 575-583.	1.6	6
143	Limitations of Functionally Determined Joint Centers for the Analysis of Athletic Human Movement: A Case Study of the Upper Limb. Journal of Applied Biomechanics, 2009, 25, 281-292.	0.8	6
144	Kinematics estimation of straddled movements on high bar from a limited number of skin markers using a chain model. Journal of Biomechanics, 2008, 41, 581-586.	2.1	46

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145	Forefootâ€“rearfoot coupling patterns and tibial internal rotation during stance phase of barefoot versus shod running. Clinical Biomechanics, 2007, 22, 74-80.	1.2	90
146	Effects of movement for estimating the hip joint centre. Gait and Posture, 2007, 25, 353-359.	1.4	101
147	Comparison of the SCoRE and HA methods for locating in vivo the glenohumeral joint centre. Journal of Biomechanics, 2007, 40, 3487-3492.	2.1	54
148	Short-Term Effects of Using Verbal Instructions and Demonstration at the Beginning of Learning a Complex Skill in Figure Skating. Perceptual and Motor Skills, 2005, 100, 179-191.	1.3	12
149	Solidification procedure adapted to locating joint centre. Computer Methods in Biomechanics and Biomedical Engineering, 2005, 8, 23-24.	1.6	3
150	Optimal estimation of complex aerial movements using dynamic optimisation. Sports Biomechanics, 0, , 1-16.	1.6	5