

# Mickael Begon

## List of Publications by Year in descending order

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Version: 2024-02-01

150  
papers

2,367  
citations

257357

24  
h-index

315616

38  
g-index

160  
all docs

160  
docs citations

160  
times ranked

1918  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of movement for estimating the hip joint centre. <i>Gait and Posture</i> , 2007, 25, 353-359.	0.6	101
2	Influence of gait speed on the control of mediolateral dynamic stability during gait initiation. <i>Journal of Biomechanics</i> , 2014, 47, 417-423.	0.9	94
3	Forefoot“rearfoot coupling patterns and tibial internal rotation during stance phase of barefoot versus shod running. <i>Clinical Biomechanics</i> , 2007, 22, 74-80.	0.5	90
4	Improvements in measuring shoulder joint kinematics. <i>Journal of Biomechanics</i> , 2012, 45, 2180-2183.	0.9	68
5	Standardization proposal of soft tissue artefact description for data sharing in human motion measurements. <i>Journal of Biomechanics</i> , 2017, 62, 5-13.	0.9	65
6	Kinematic models of the upper limb joints for multibody kinematics optimisation: An overview. <i>Journal of Biomechanics</i> , 2017, 62, 87-94.	0.9	60
7	Effect of foot orthosis design on lower limb joint kinematics and kinetics during walking in flexible pes planovalgus: A systematic review and meta-analysis. <i>Clinical Biomechanics</i> , 2018, 59, 117-129.	0.5	57
8	Multibody Kinematics Optimization for the Estimation of Upper and Lower Limb Human Joint Kinematics: A Systematized Methodological Review. <i>Journal of Biomechanical Engineering</i> , 2018, 140, .	0.6	56
9	Comparison of the SCoRE and HA methods for locating in vivo the glenohumeral joint centre. <i>Journal of Biomechanics</i> , 2007, 40, 3487-3492.	0.9	54
10	Refinement of the upper limb joint kinematics and dynamics using a subject-specific closed-loop forearm model. <i>Multibody System Dynamics</i> , 2015, 33, 413-438.	1.7	54
11	Changes in movement variability and task performance during a fatiguing repetitive pointing task. <i>Journal of Biomechanics</i> , 2018, 76, 212-219.	0.9	48
12	Kinematics estimation of straddled movements on high bar from a limited number of skin markers using a chain model. <i>Journal of Biomechanics</i> , 2008, 41, 581-586.	0.9	46
13	Effect of foot orthoses on magnitude and timing of rearfoot and tibial motions, ground reaction force and knee moment during running. <i>Journal of Science and Medicine in Sport</i> , 2009, 12, 679-684.	0.6	38
14	Adaptive Alterations in Shoulder Range of Motion and Strength in Young Tennis Players. <i>Journal of Athletic Training</i> , 2017, 52, 137-144.	0.9	37
15	Sex differences in kinematic adaptations to muscle fatigue induced by repetitive upper limb movements. <i>Biology of Sex Differences</i> , 2018, 9, 17.	1.8	34
16	Health and productivity at work: which active workstation for which benefits: a systematic review. <i>Occupational and Environmental Medicine</i> , 2019, 76, 281-294.	1.3	33
17	Measurement and Description of Three-Dimensional Shoulder Range of Motion With Degrees of Freedom Interactions. <i>Journal of Biomechanical Engineering</i> , 2014, 136, .	0.6	32
18	Estimating joint kinematics of a whole body chain model with closed-loop constraints. <i>Multibody System Dynamics</i> , 2014, 31, 433-449.	1.7	32

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19	Coupling between 3D displacements and rotations at the glenohumeral joint during dynamic tasks in healthy participants. <i>Clinical Biomechanics</i> , 2014, 29, 1048-1055.	0.5	31
20	Lower limb contribution in kayak performance: modelling, simulation and analysis. <i>Multibody System Dynamics</i> , 2010, 23, 387-400.	1.7	30
21	Effects of height and load weight on shoulder muscle work during overhead lifting task. <i>Ergonomics</i> , 2015, 58, 748-761.	1.1	30
22	Determining in vivo sternoclavicular, acromioclavicular and glenohumeral joint centre locations from skin markers, CT-scans and intracortical pins: A comparison study. <i>Medical Engineering and Physics</i> , 2016, 38, 290-296.	0.8	29
23	Superficial shoulder muscle co-activations during lifting tasks: Influence of lifting height, weight and phase. <i>Journal of Electromyography and Kinesiology</i> , 2015, 25, 355-362.	0.7	27
24	Test-retest reliability of a hip strength assessment system in varsity soccer players. <i>Physical Therapy in Sport</i> , 2019, 37, 138-143.	0.8	27
25	Three-Dimensional Vertebral Wedging in Mild and Moderate Adolescent Idiopathic Scoliosis. <i>PLoS ONE</i> , 2013, 8, e71504.	1.1	26
26	Optimal Combinations of Isometric Normalization Tests for the Production of Maximum Voluntary Activation of the Shoulder Muscles. <i>Archives of Physical Medicine and Rehabilitation</i> , 2016, 97, 1542-1551.e2.	0.5	26
27	Effect of low dose robotic-gait training on walking capacity in children and adolescents with cerebral palsy. <i>Neurophysiologie Clinique</i> , 2020, 50, 507-519.	1.0	26
28	Effect of various upper limb multibody models on soft tissue artefact correction: A case study. <i>Journal of Biomechanics</i> , 2017, 62, 102-109.	0.9	24
29	Main component of soft tissue artifact of the upper-limbs with respect to different functional, daily life and sports movements. <i>Journal of Biomechanics</i> , 2017, 62, 39-46.	0.9	24
30	Evaluation of ligament laxity during pregnancy. <i>Journal of Gynecology Obstetrics and Human Reproduction</i> , 2019, 48, 351-357.	0.6	24
31	Muscle function in glenohumeral joint stability during lifting task. <i>PLoS ONE</i> , 2017, 12, e0189406.	1.1	21
32	Muscle recruitment patterns of the subscapularis, serratus anterior and other shoulder girdle muscles during isokinetic internal and external rotations. <i>Journal of Sports Sciences</i> , 2018, 36, 985-993.	1.0	21
33	Influence of Shoulder Kinematic Estimate on Joint and Muscle Mechanics Predicted by Musculoskeletal Model. <i>IEEE Transactions on Biomedical Engineering</i> , 2018, 65, 715-722.	2.5	21
34	Effects of Self-Myofascial Release on Shoulder Function and Perception in Adolescent Tennis Players. <i>Journal of Sport Rehabilitation</i> , 2018, 27, 530-535.	0.4	21
35	Effect of 3D printed foot orthoses stiffness and design on foot kinematics and plantar pressures in healthy people. <i>Gait and Posture</i> , 2020, 81, 247-253.	0.6	19
36	Exhausting repetitive piano tasks lead to local forearm manifestation of muscle fatigue and negatively affect musical parameters. <i>Scientific Reports</i> , 2021, 11, 8117.	1.6	19

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37	Pelvic Morphology, Body Posture and Standing Balance Characteristics of Adolescent Able-Bodied and Idiopathic Scoliosis Girls. PLoS ONE, 2013, 8, e70205.	1.1	19
38	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.	1.2	18
39	Elucidating the scapulo-humeral rhythm calculation: 3D joint contribution method. Computer Methods in Biomechanics and Biomedical Engineering, 2015, 18, 249-258.	0.9	18
40	Use of Active Workstations in Individuals with Overweight or Obesity: A Systematic Review. Obesity, 2019, 27, 362-379.	1.5	18
41	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.	0.9	17
42	Can optimal marker weightings improve thoracohumeral kinematics accuracy?. Journal of Biomechanics, 2015, 48, 2019-2025.	0.9	17
43	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.	1.2	17
44	An EMG-marker tracking optimisation method for estimating muscle forces. Multibody System Dynamics, 2018, 42, 119-143.	1.7	17
45	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.	1.1	17
46	Measurement of contact forces on a kayak ergometer with a sliding footrest-seat complex. Sports Engineering, 2009, 11, 67-73.	0.5	16
47	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.	0.9	16
48	Three-dimensional vertebral wedging and pelvic asymmetries in the early stages of adolescent idiopathic scoliosis. Spine Journal, 2015, 15, 477-486.	0.6	16
49	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.	0.8	16
50	Numerical homogenization of a linearly elastic honeycomb lattice structure and comparison with analytical and experimental results. Mechanics of Materials, 2022, 167, 104210.	1.7	16
51	Intra- and Intersession Reliability of Surface Electromyography on Muscles Actuating the Forearm During Maximum Voluntary Contractions. Journal of Applied Biomechanics, 2016, 32, 558-570.	0.3	15
52	Sex differences in upper limb musculoskeletal biomechanics during a lifting task. Applied Ergonomics, 2020, 86, 103106.	1.7	15
53	Effect of Trunk Sagittal Attitude on Shoulder, Thorax and Pelvis Three-Dimensional Kinematics in Able-Bodied Subjects during Gait. PLoS ONE, 2013, 8, e77168.	1.1	15
54	Glenohumeral translations during range-of-motion movements, activities of daily living, and sports activities in healthy participants. Clinical Biomechanics, 2015, 30, 1002-1007.	0.5	14

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55	Scapular kinematic reconstruction – segmental optimization, multibody optimization with open-loop or closed-loop chains: which one should be preferred?. <i>International Biomechanics</i> , 2017, 4, 86-94.	0.9	14
56	An Optimization Method Tracking EMG, Ground Reactions Forces, and Marker Trajectories for Musculo-Tendon Forces Estimation in Equinus Gait. <i>Frontiers in Neurorobotics</i> , 2019, 13, 48.	1.6	14
57	biorbd: A C++, Python and MATLAB library to analyze and simulate the human body biomechanics. <i>Journal of Open Source Software</i> , 2021, 6, 2562.	2.0	14
58	A method of providing accurate velocity feedback of performance on an instrumented kayak ergometer. <i>Sports Engineering</i> , 2009, 11, 57-65.	0.5	13
59	Assessment of reproducibility of thigh marker ranking during walking and landing tasks. <i>Medical Engineering and Physics</i> , 2012, 34, 1200-1208.	0.8	13
60	Estimating optimal shoulder immobilization postures following surgical repair of massive rotator cuff tears. <i>Journal of Biomechanics</i> , 2013, 46, 179-182.	0.9	13
61	Effect of the phase of force production on corticomuscular coherence with agonist and antagonist muscles. <i>European Journal of Neuroscience</i> , 2018, 48, 3288-3298.	1.2	13
62	Cluster analysis using physical performance and self-report measures to identify shoulder injury in overhead female athletes. <i>Journal of Science and Medicine in Sport</i> , 2019, 22, 269-274.	0.6	13
63	Anti-pronator components are essential to effectively alter lower-limb kinematics and kinetics in individuals with flexible flatfeet. <i>Clinical Biomechanics</i> , 2021, 86, 105390.	0.5	13
64	Short-Term Effects of Using Verbal Instructions and Demonstration at the Beginning of Learning a Complex Skill in Figure Skating. <i>Perceptual and Motor Skills</i> , 2005, 100, 179-191.	0.6	12
65	Use of electromyography to optimize Lokomat – settings for subject-specific gait rehabilitation in post-stroke hemiparetic patients: A proof-of-concept study. <i>Neurophysiologie Clinique</i> , 2017, 47, 293-299.	1.0	12
66	Multibody kinematics optimization with marker projection improves the accuracy of the humerus rotational kinematics. <i>Journal of Biomechanics</i> , 2017, 62, 117-123.	0.9	12
67	Sex differences in upper limb 3D joint contributions during a lifting task. <i>Ergonomics</i> , 2019, 62, 682-693.	1.1	12
68	Reliability of maximum isometric hip and knee torque measurements in children with cerebral palsy using a paediatric exoskeleton – Lokomat. <i>Neurophysiologie Clinique</i> , 2019, 49, 335-342.	1.0	12
69	Can foot orthoses impose different gait features based on geometrical design in healthy subjects? A systematic review and meta-analysis. <i>Foot</i> , 2020, 42, 101646.	0.4	12
70	EMG-Assisted Algorithm to Account for Shoulder Muscles Co-Contraction in Overhead Manual Handling. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3522.	1.3	12
71	Hip joint center localisation: A biomechanical application to hip arthroplasty population. <i>World Journal of Orthopedics</i> , 2012, 3, 131.	0.8	11
72	Optimal shoulder immobilization postures following surgical repair of rotator cuff tears: a simulation analysis. <i>Journal of Shoulder and Elbow Surgery</i> , 2013, 22, 1011-1018.	1.2	11

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73	A chain kinematic model to assess the movement of lower-limb including wobbling masses. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2016, 19, 707-716.	0.9	11
74	Glenohumeral joint kinematics measured by intracortical pins, reflective markers, and computed tomography: A novel technique to assess acromiohumeral distance. <i>Journal of Electromyography and Kinesiology</i> , 2016, 29, 4-11.	0.7	11
75	Implementation of Active Workstations in University Libraries—A Comparison of Portable Pedal Exercise Machines and Standing Desks. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1242.	1.2	11
76	Optimal 3D arm strategies for maximizing twist rotation during somersault of a rigid-body model. <i>Multibody System Dynamics</i> , 2021, 52, 193-209.	1.7	11
77	Real-Time and Dynamically Consistent Estimation of Muscle Forces Using a Moving Horizon EMG-Marker Tracking Algorithm—Application to Upper Limb Biomechanics. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 642742.	2.0	11
78	Sex differences in glenohumeral muscle activation and coactivation during a box lifting task. <i>Ergonomics</i> , 2019, 62, 1327-1338.	1.1	10
79	Shoulder electromyography-based indicators to assess manifestation of muscle fatigue during laboratory-simulated manual handling task. <i>Ergonomics</i> , 2022, 65, 118-133.	1.1	10
80	Shoulder Coordination During Full-Can and Empty-Can Rehabilitation Exercises. <i>Journal of Athletic Training</i> , 2015, 50, 1117-1125.	0.9	9
81	Comparison between line and surface mesh models to represent the rotator cuff muscle geometry in musculoskeletal models. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2017, 20, 1175-1181.	0.9	9
82	Which data should be tracked in forward-dynamic optimisation to best predict muscle forces in a pathological co-contraction case?. <i>Journal of Biomechanics</i> , 2018, 68, 99-106.	0.9	9
83	Understanding the role of foot biomechanics on regional foot orthosis deformation in flatfoot individuals during walking. <i>Gait and Posture</i> , 2022, 91, 117-125.	0.6	9
84	Local versus global optimal sports techniques in a group of athletes. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2015, 18, 829-838.	0.9	8
85	3D shoulder kinematics for static vs dynamic and passive vs active testing conditions. <i>Journal of Biomechanics</i> , 2015, 48, 2976-2983.	0.9	8
86	Effect of wobbling mass modeling on joint dynamics during human movements with impacts. <i>Multibody System Dynamics</i> , 2016, 38, 345-366.	1.7	8
87	Classification of upper limb disability levels of children with spastic unilateral cerebral palsy using K-means algorithm. <i>Medical and Biological Engineering and Computing</i> , 2018, 56, 49-59.	1.6	8
88	Lower limb extension is improved in fast walking condition in children who walk in crouch gait. <i>Disability and Rehabilitation</i> , 2019, 41, 3210-3215.	0.9	8
89	Does Reducing Sedentarity With Standing Desks Hinder Cognitive Performance?. <i>Human Factors</i> , 2020, 62, 603-612.	2.1	8
90	Time history of upper-limb muscle activity during isolated piano keystrokes. <i>Journal of Electromyography and Kinesiology</i> , 2020, 54, 102459.	0.7	8

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91	Central and Peripheral Shoulder Fatigue Pre-screening Using the Sigma-Lognormal Model: A Proof of Concept. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 171.	1.0	8
92	pyomeca: An Open-Source Framework for Biomechanical Analysis. <i>Journal of Open Source Software</i> , 2020, 5, 2431.	2.0	8
93	Segment-embedded frame definition affects the hip joint centre precision during walking. <i>Medical Engineering and Physics</i> , 2013, 35, 1228-1234.	0.8	7
94	Electromyographic activity in the shoulder musculature during resistance training exercises of the ipsilateral upper limb while wearing a shoulder orthosis. <i>Journal of Shoulder and Elbow Surgery</i> , 2014, 23, e140-e148.	1.2	7
95	Effects of frontal and sagittal thorax attitudes in gait on trunk and pelvis three-dimensional kinematics. <i>Medical Engineering and Physics</i> , 2015, 37, 1032-1036.	0.8	7
96	Identification of the contribution of contact and aerial biomechanical parameters in acrobatic performance. <i>PLoS ONE</i> , 2017, 12, e0172083.	1.1	7
97	Sensitivity of Shoulder Musculoskeletal Model Predictions to Muscle-Tendon Properties. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 1309-1317.	2.5	7
98	Alterations in scapulothoracic and humerothoracic kinematics during the tennis serve in adolescent players with a history of shoulder problems. <i>Sports Biomechanics</i> , 2021, 20, 165-177.	0.8	7
99	Effect of hip flexibility on optimal stalker performances on high bar. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2009, 12, 575-583.	0.9	6
100	Limitations of Functionally Determined Joint Centers for the Analysis of Athletic Human Movement: A Case Study of the Upper Limb. <i>Journal of Applied Biomechanics</i> , 2009, 25, 281-292.	0.3	6
101	Distance between rotator cuff footprints and the acromion, coracoacromial ligament, and coracoid process during dynamic arm elevations: Preliminary observations. <i>Manual Therapy</i> , 2016, 25, 94-99.	1.6	6
102	The effects of plane and arc of elevation on electromyography of shoulder musculature in patients with rotator cuff tears. <i>Clinical Biomechanics</i> , 2016, 32, 194-200.	0.5	6
103	A serious game for gait rehabilitation with the Lokomat. , 2017, , .		6
104	Lower Trapezius Weakness and Shoulder Complex Biomechanics during the Tennis Serve. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 2531-2539.	0.2	6
105	Effect of Expertise on Shoulder and Upper Limb Kinematics, Electromyography, and Estimated Muscle Forces During a Lifting Task. <i>Human Factors</i> , 2022, 64, 800-819.	2.1	6
106	Intra- and inter-tester reliability of spasticity assessment in standing position in children and adolescents with cerebral palsy using a paediatric exoskeleton. <i>Disability and Rehabilitation</i> , 2021, 43, 1001-1007.	0.9	6
107	Proximal-to-Distal Sequences of Attack and Release Movements of Expert Pianists during Pressed-Staccato Keystrokes. <i>Journal of Motor Behavior</i> , 2021, , 1-11.	0.5	6
108	Glenohumeral joint and muscles functions during a lifting task. <i>Journal of Biomechanics</i> , 2021, 126, 110641.	0.9	6

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109	Bioptim, a Python Framework for Musculoskeletal Optimal Control in Biomechanics. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2023, 53, 321-332.	5.9	6
110	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.	0.9	5
111	Muscular activity variations of the right bowling arm of the violin player. Computer Methods in Biomechanics and Biomedical Engineering, 2017, 20, S71-S72.	0.9	5
112	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.	0.9	5
113	Shoulder muscle activation strategies differ when lifting or lowering a load. European Journal of Applied Physiology, 2020, 120, 2417-2429.	1.2	5
114	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.	0.5	5
115	Optimal estimation of complex aerial movements using dynamic optimisation. Sports Biomechanics, 0, , 1-16.	0.8	5
116	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.	0.9	4
117	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.	1.7	4
118	Methodology to Customize Maximal Isometric Forces for Hill-Type Muscle Models. Journal of Applied Biomechanics, 2017, 33, 80-86.	0.3	4
119	Optimal Control as a Tool for Innovation in Aerial Twisting on a Trampoline. Applied Sciences (Switzerland), 2020, 10, 8363.	1.3	4
120	Predicting foot orthosis deformation based on its contour kinematics during walking. PLoS ONE, 2020, 15, e0232677.	1.1	4
121	ezc3d: An easy C3D file I/O cross-platform solution for C++, Python and MATLAB. Journal of Open Source Software, 2021, 6, 2911.	2.0	4
122	How Do Violinists Adapt to Dynamic Assistive Support? A Study Focusing on Kinematics, Muscle Activity, and Musical Performance. Human Factors, 2021, , 001872082110334.	2.1	4
123	Closed-loop multibody kinematic optimization coupled with double calibration improves scapular kinematic estimates in asymptomatic population. Journal of Biomechanics, 2021, 126, 110653.	0.9	4
124	Solidification procedure adapted to locating joint centre. Computer Methods in Biomechanics and Biomedical Engineering, 2005, 8, 23-24.	0.9	3
125	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.	0.9	3
126	The Effects of Knee Flexion on Tennis Serve Performance of Intermediate Level Tennis Players. Sensors, 2021, 21, 5254.	2.1	3



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127	Computationally efficient model to predict the deformations of a cellular foot orthotic. <i>Computers in Biology and Medicine</i> , 2022, 146, 105532.	3.9	3
128	Accuracy of 3-D Reconstruction with Occlusions. <i>Journal of Applied Biomechanics</i> , 2010, 26, 104-108.	0.3	2
129	Mechanical risk of rotator cuff repair failure during passive movements: A simulation-based study. <i>Clinical Biomechanics</i> , 2015, 30, 1181-1188.	0.5	2
130	Do relevant shear forces appear in isokinetic shoulder testing to be implemented in biomechanical models?. <i>Journal of Biomechanics</i> , 2018, 72, 241-246.	0.9	2
131	The effect of intracortical bone pin on shoulder kinematics during dynamic activities. <i>International Biomechanics</i> , 2019, 6, 47-53.	0.9	2
132	Reliability of the kinematic theory parameters during handwriting tasks on a vertical setup. <i>Biomedical Signal Processing and Control</i> , 2022, 71, 103157.	3.5	2
133	Determination of optimal placements of markers on the thigh during walking and landing. <i>EPJ Web of Conferences</i> , 2010, 6, 21005.	0.1	1
134	Scapulohumeral rhythm in young tennis players. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2017, 20, S93-S94.	0.9	1
135	Squatphy: Assessing squats with low-cost technologies. , 2017, , .		1
136	Motion analysis and modeling of the shoulder. , 2019, , 261-271.		1
137	Optimal forward twisting pike somersault without self-collision. <i>Sports Biomechanics</i> , 2022, , 1-18.	0.8	1
138	Effect of stroke rate on paddle tip path in kayaking. <i>Movement and Sports Sciences - Science Et Motricite</i> , 2012, , 113-120.	0.2	0
139	A numerical approach to assess the soft tissue artefact during human movement analysis. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2013, 16, 59-60.	0.9	0
140	Kinematic model and elbow flexion interaction on shoulder range of motion. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2014, 17, 84-85.	0.9	0
141	Graphical User Interface to Identify Optimal Combinations of Isometric Normalization Tests for the Production of Maximum Voluntary Activation of the Shoulder Muscles. <i>Archives of Physical Medicine and Rehabilitation</i> , 2016, 97, 1597-1598.	0.5	0
142	Comparison of rotation tensor extracted from affine approximation and least square optimization. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2017, 20, S49-S50.	0.9	0
143	Urban legends in gait analysis. <i>Movement and Sports Sciences - Science Et Motricite</i> , 2017, , 5-11.	0.2	0
144	Effect of Bow Camber and Mass Distribution on Violinists' Preferences and Performance. <i>Frontiers in Psychology</i> , 2021, 12, 769831.	1.1	0

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145	Muscle activation profiles based on the proportionality hypothesis of the Kinematic Theory of Human Movements. , 2020, , .		0
146	Predicting foot orthosis deformation based on its contour kinematics during walking. , 2020, 15, e0232677.		0
147	Predicting foot orthosis deformation based on its contour kinematics during walking. , 2020, 15, e0232677.		0
148	Predicting foot orthosis deformation based on its contour kinematics during walking. , 2020, 15, e0232677.		0
149	Predicting foot orthosis deformation based on its contour kinematics during walking. , 2020, 15, e0232677.		0
150	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.	0.5	0