

# Jean Benoît Morin

## 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.

141 papers	4,351 citations	34 h-index	60 g-index
150 ext. papers	5,286 ext. citations	3.2 avg, IF	5.96 L-index

#	Paper	IF	Citations
141	Effects of Repeated Sprint Training With Progressive Elastic Resistance on Sprint Performance and Anterior-Posterior Force Production in Elite Young Soccer Players. <i>Journal of Strength and Conditioning Research</i> , <b>2022</b> , 36, 1675-1681	3.2	0
140	Uphill sprinting load- and force-velocity profiling: Assessment and potential applications. <i>Journal of Sports Sciences</i> , <b>2021</b> , 1-7	3.6	0
139	Optimal mechanical force-velocity profile for sprint acceleration performance. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2021</b> ,	4.6	3
138	Can We Modify Maximal Speed Running Posture? Implications for Performance and Hamstring Injury Management. <i>International Journal of Sports Physiology and Performance</i> , <b>2021</b> , 1-10	3.5	3
137	The effect of countermovement on force production capacity depends on extension velocity: A study of alpine skiers and sprinters. <i>Journal of Sports Sciences</i> , <b>2021</b> , 39, 1882-1892	3.6	1
136	Force-velocity-power profiling of maximal effort sprinting, jumping and hip thrusting: Exploring the importance of force orientation specificity for assessing neuromuscular function. <i>Journal of Sports Sciences</i> , <b>2021</b> , 39, 2115-2122	3.6	0
135	Individual acceleration-speed profile in-situ: A proof of concept in professional football players. <i>Journal of Biomechanics</i> , <b>2021</b> , 123, 110524	2.9	4
134	Running at altitude: the 100-m dash. <i>European Journal of Applied Physiology</i> , <b>2021</b> , 121, 2837-2848	3.4	1
133	Low Horizontal Force Production Capacity during Sprinting as a Potential Risk Factor of Hamstring Injury in Football. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	2
132	Lower limb force-production capacities in alpine skiing disciplines. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2021</b> , 31, 848-860	4.6	1
131	Training-induced changes in anterior pelvic tilt: potential implications for hamstring strain injuries management. <i>Journal of Sports Sciences</i> , <b>2021</b> , 39, 760-767	3.6	8
130	Lower limb muscle injury location shift from posterior lower leg to hamstring muscles with increasing discipline-related running velocity in international athletics championships. <i>Journal of Science and Medicine in Sport</i> , <b>2021</b> , 24, 653-659	4.4	4
129	A criteria-based rehabilitation program for chronic mid-portion Achilles tendinopathy: study protocol for a randomised controlled trial. <i>BMC Musculoskeletal Disorders</i> , <b>2021</b> , 22, 695	2.8	0
128	Ratio of forces during sprint acceleration: A comparison of different calculation methods. <i>Journal of Biomechanics</i> , <b>2021</b> , 127, 110685	2.9	2
127	Force output in giant-salom skiing: A practical model of force application effectiveness. <i>PLoS ONE</i> , <b>2021</b> , 16, e0244698	3.7	3
126	Individual Sprint Force-Velocity Profile Adaptations to In-Season Assisted and Resisted Velocity-Based Training in Professional Rugby. <i>Sports</i> , <b>2020</b> , 8,	3	21
125	Asymmetries during repeated treadmill sprints in elite female Rugby Sevens players. <i>Sports Biomechanics</i> , <b>2020</b> , 1-11	2.2	6

124	Custom foot orthoses improve performance, but do not modify the biomechanical manifestation of fatigue, during repeated treadmill sprints. <i>European Journal of Applied Physiology</i> , <b>2020</b> , 120, 2037-2045	3.4	2
123	The importance of duration and magnitude of force application to sprint performance during the initial acceleration, transition and maximal velocity phases. <i>Journal of Sports Sciences</i> , <b>2020</b> , 38, 2359-2366	3.6	4
122	Seasonal Changes in the Sprint Acceleration Force-Velocity Profile of Elite Male Soccer Players. <i>Journal of Strength and Conditioning Research</i> , <b>2020</b> ,	3.2	19
121	Sprint versus isolated eccentric training: Comparative effects on hamstring architecture and performance in soccer players. <i>PLoS ONE</i> , <b>2020</b> , 15, e0228283	3.7	31
120	Individual Adaptation Kinetics Following Heavy Resisted Sprint Training. <i>Journal of Strength and Conditioning Research</i> , <b>2020</b> ,	3.2	9
119	Changes in sprint performance and sagittal plane kinematics after heavy resisted sprint training in professional soccer players. <i>PeerJ</i> , <b>2020</b> , 8, e10507	3.1	7
118	Improving Mechanical Effectiveness During Sprint Acceleration: Practical Recommendations and Guidelines. <i>Strength and Conditioning Journal</i> , <b>2020</b> , 42, 45-62	2	22
117	Sprint exercise for subjects with mild-to-moderate Parkinson's disease: Feasibility and biomechanical outputs. <i>Clinical Biomechanics</i> , <b>2020</b> , 72, 69-76	2.2	3
116	Running mechanics and leg muscle activity patterns during early and late acceleration phases of repeated treadmill sprints in male recreational athletes. <i>European Journal of Applied Physiology</i> , <b>2020</b> , 120, 2785-2796	3.4	4
115	Leg extension force-velocity imbalance has negative impact on sprint performance in ball-game players. <i>Sports Biomechanics</i> , <b>2020</b> , 1-14	2.2	1
114	Measuring maximal horizontal deceleration ability using radar technology: reliability and sensitivity of kinematic and kinetic variables. <i>Sports Biomechanics</i> , <b>2020</b> , 1-17	2.2	8
113	Multifactorial individualised programme for hamstring muscle injury risk reduction in professional football: protocol for a prospective cohort study. <i>BMJ Open Sport and Exercise Medicine</i> , <b>2020</b> , 6, e000758	3.4	10
112	Inertial measurement unit-based hip flexion test as an indicator of sprint performance. <i>Journal of Sports Sciences</i> , <b>2020</b> , 38, 53-61	3.6	6
111	Running mechanics adjustments to perceptually-regulated interval runs in hypoxia and normoxia. <i>Journal of Science and Medicine in Sport</i> , <b>2020</b> , 23, 1111-1116	4.4	5
110	Sprint Specificity of Isolated Hamstring-Strengthening Exercises in Terms of Muscle Activity and Force Production. <i>Frontiers in Sports and Active Living</i> , <b>2020</b> , 2, 609636	2.3	5
109	Running Velocity Does Not Influence Lower Limb Mechanical Asymmetry. <i>Frontiers in Sports and Active Living</i> , <b>2019</b> , 1, 36	2.3	6
108	Cushioning perception is associated with both tibia acceleration peak and vibration magnitude in heel-toe running. <i>Footwear Science</i> , <b>2019</b> , 11, 35-44	1.4	4
107	Optimized training for jumping performance using the force-velocity imbalance: Individual adaptation kinetics. <i>PLoS ONE</i> , <b>2019</b> , 14, e0216681	3.7	34

106	Impact of Hip Flexion Angle on Unilateral and Bilateral Nordic Hamstring Exercise Torque and High-Density Electromyography Activity. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , <b>2019</b> , 49, 584-592	4.2	21
105	Assessing Horizontal Force Production in Resisted Sprinting: Computation and Practical Interpretation. <i>International Journal of Sports Physiology and Performance</i> , <b>2019</b> , 14, 689-693	3.5	4
104	When Jump Height is not a Good Indicator of Lower Limb Maximal Power Output: Theoretical Demonstration, Experimental Evidence and Practical Solutions. <i>Sports Medicine</i> , <b>2019</b> , 49, 999-1006	10.6	32
103	A simple method for computing sprint acceleration kinetics from running velocity data: Replication study with improved design. <i>Journal of Biomechanics</i> , <b>2019</b> , 94, 82-87	2.9	37
102	Dynamic Force Production Capacities Between Coronary Artery Disease Patients vs. Healthy Participants on a Cycle Ergometer. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 1639	4.6	1
101	Preconditioning Strategy in Rugby-7s Players: Beneficial or Detrimental?. <i>International Journal of Sports Physiology and Performance</i> , <b>2019</b> , 14, 918-926	3.5	6
100	Changes in mechanical properties of sprinting during repeated sprint in elite rugby sevens athletes. <i>European Journal of Sport Science</i> , <b>2019</b> , 19, 585-594	3.9	11
99	Differences in Sprint Mechanical Force-Velocity Profile Between Trained Soccer and Futsal Players. <i>International Journal of Sports Physiology and Performance</i> , <b>2019</b> , 14, 478-485	3.5	27
98	Comment on: "The Effectiveness of Resisted Sled Training (RST) for Sprint Performance: A Systematic Review and Meta-analysis". <i>Sports Medicine</i> , <b>2019</b> , 49, 349-351	10.6	2
97	The Measurement of Sprint Mechanics Using Instrumented Treadmills <b>2018</b> , 211-236		
96	A Simple Method for Measuring Lower Limb Stiffness During Running <b>2018</b> , 165-193		1
95	Sensor insole for measuring temporal variables and vertical force during sprinting. <i>Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology</i> , <b>2018</b> , 232, 369-374	0.7	10
94	How Fast Is a Horizontal Squat Jump?. <i>International Journal of Sports Physiology and Performance</i> , <b>2018</b> , 13, 910-916	3.5	5
93	A comparison between the force-velocity relationships of unloaded and sled-resisted sprinting: single vs. multiple trial methods. <i>European Journal of Applied Physiology</i> , <b>2018</b> , 118, 563-571	3.4	21
92	A Simple Method for Assessing Upper-Limb Force-Velocity Profile in Bench Press. <i>International Journal of Sports Physiology and Performance</i> , <b>2018</b> , 13, 200-207	3.5	20
91	Short Trail Running Race: Beyond the Classic Model for Endurance Running Performance. <i>Medicine and Science in Sports and Exercise</i> , <b>2018</b> , 50, 580-588	1.2	22
90	The Elevated Track in Pole Vault: An Advantage During Run-Up?. <i>International Journal of Sports Physiology and Performance</i> , <b>2018</b> , 13, 717-723	3.5	4
89	Training at maximal power in resisted sprinting: Optimal load determination methodology and pilot results in team sport athletes. <i>PLoS ONE</i> , <b>2018</b> , 13, e0195477	3.7	40

88	Training Periodization Over an Elite Rugby Sevens Season: From Theory to Practice. <i>International Journal of Sports Physiology and Performance</i> , <b>2018</b> , 1-9	3.5	5
87	Letter to the Editor regarding "Sprint mechanics return to competition follow-up after hamstring injury on a professional soccer player: A case study with an inertial sensor unit based methodological approach" by I. Setuain, P. Lecumberri, and M. Izquierdo. <i>Journal of Biomechanics</i> , <b>2018</b> , 66, 198-199	2.9	1
86	Relationship between vertical and horizontal force-velocity-power profiles in various sports and levels of practice. <i>PeerJ</i> , <b>2018</b> , 6, e5937	3.1	44
85	Acute and Delayed Neuromuscular Alterations Induced by Downhill Running in Trained Trail Runners: Beneficial Effects of High-Pressure Compression Garments. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 1627	4.6	12
84	Sprint Acceleration Mechanics in Fatigue Conditions: Compensatory Role of Gluteal Muscles in Horizontal Force Production and Potential Protection of Hamstring Muscles. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 1706	4.6	18
83	Psychosocial factors as predictors of dropout in ultra-trailers. <i>PLoS ONE</i> , <b>2018</b> , 13, e0206498	3.7	7
82	Mechanical alterations during interval-training treadmill runs in high-level male team-sport players. <i>Journal of Science and Medicine in Sport</i> , <b>2017</b> , 20, 87-91	4.4	13
81	Optimal Loading for Maximizing Power During Sled-Resisted Sprinting. <i>International Journal of Sports Physiology and Performance</i> , <b>2017</b> , 12, 1069-1077	3.5	56
80	Supercompensation Kinetics of Physical Qualities During a Taper in Team-Sport Athletes. <i>International Journal of Sports Physiology and Performance</i> , <b>2017</b> , 12, 1163-1169	3.5	24
79	INFLUENCE OF FATIGUE ON HAMSTRING MUSCLE FUNCTION DURING REPEATED SPRINTS. <i>British Journal of Sports Medicine</i> , <b>2017</b> , 51, 314.2-314	10.3	3
78	Lower limb mechanical asymmetry during repeated treadmill sprints. <i>Human Movement Science</i> , <b>2017</b> , 52, 203-214	2.4	26
77	Determining friction and effective loading for sled sprinting. <i>Journal of Sports Sciences</i> , <b>2017</b> , 35, 2198-2203	3.6	12
76	A Multifactorial, Criteria-based Progressive Algorithm for Hamstring Injury Treatment. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 1482-1492	1.2	67
75	The Potential for a Targeted Strength-Training Program to Decrease Asymmetry and Increase Performance: A Proof of Concept in Sprinting. <i>International Journal of Sports Physiology and Performance</i> , <b>2017</b> , 12, 1392-1395	3.5	15
74	Etiology of Neuromuscular Fatigue After Repeated Sprints Depends on Exercise Modality. <i>International Journal of Sports Physiology and Performance</i> , <b>2017</b> , 12, 878-885	3.5	18
73	The Validity and Reliability of an iPhone App for Measuring Running Mechanics. <i>Journal of Applied Biomechanics</i> , <b>2017</b> , 33, 222-226	1.2	28
72	Where does the One-Repetition Maximum Exist on the Force-Velocity Relationship in Squat?. <i>International Journal of Sports Medicine</i> , <b>2017</b> , 38, 1035-1043	3.6	20
71	Kinetic Sprint Asymmetries on a non-motorised Treadmill in Rugby Union Athletes. <i>International Journal of Sports Medicine</i> , <b>2017</b> , 38, 1017-1022	3.6	12

70	Criteria for Return to Sport after Anterior Cruciate Ligament reconstruction with lower reinjury risk (CRISTAL study): protocol for a prospective observational study in France. <i>BMJ Open</i> , <b>2017</b> , 7, e015087	3	24
69	Very-Heavy Sled Training for Improving Horizontal-Force Output in Soccer Players. <i>International Journal of Sports Physiology and Performance</i> , <b>2017</b> , 12, 840-844	3.5	67
68	Biomechanics and Physiology of Uphill and Downhill Running. <i>Sports Medicine</i> , <b>2017</b> , 47, 615-629	10.6	108
67	Quantifying Neuromuscular Fatigue Induced by an Intense Training Session in Rugby Sevens. <i>International Journal of Sports Physiology and Performance</i> , <b>2017</b> , 12, 218-223	3.5	13
66	Methods of Power-Force-Velocity Profiling During Sprint Running: A Narrative Review. <i>Sports Medicine</i> , <b>2017</b> , 47, 1255-1269	10.6	43
65	Validity of a Simple Method for Measuring Force-Velocity-Power Profile in Countermovement Jump. <i>International Journal of Sports Physiology and Performance</i> , <b>2017</b> , 12, 36-43	3.5	45
64	Concurrent Validity of GPS for Deriving Mechanical Properties of Sprint Acceleration. <i>International Journal of Sports Physiology and Performance</i> , <b>2017</b> , 12, 129-132	3.5	23
63	Mechanical Alterations Associated with Repeated Treadmill Sprinting under Heat Stress. <i>PLoS ONE</i> , <b>2017</b> , 12, e0170679	3.7	9
62	Does "Live High-Train Low (and High)" Hypoxic Training Alter Running Mechanics In Elite Team-sport Players?. <i>Journal of Sports Science and Medicine</i> , <b>2017</b> , 16, 328-332	2.7	1
61	Running mechanical alterations during repeated treadmill sprints in hot versus hypoxic environments. A pilot study. <i>Journal of Sports Sciences</i> , <b>2016</b> , 34, 1190-8	3.6	11
60	Reliability and validity of the Myotest <sup>®</sup> for measuring running stride kinematics. <i>Journal of Sports Sciences</i> , <b>2016</b> , 34, 664-70	3.6	25
59	Interpreting Power-Force-Velocity Profiles for Individualized and Specific Training. <i>International Journal of Sports Physiology and Performance</i> , <b>2016</b> , 11, 267-72	3.5	172
58	Fatigue associated with prolonged graded running. <i>European Journal of Applied Physiology</i> , <b>2016</b> , 116, 1859-73	3.4	53
57	Running Energy Cost and Spring-Mass Behavior in Young versus Older Trained Athletes. <i>Medicine and Science in Sports and Exercise</i> , <b>2016</b> , 48, 1779-86	1.2	17
56	Changes in running mechanics over 100-m, 200-m and 400-m treadmill sprints. <i>Journal of Biomechanics</i> , <b>2016</b> , 49, 1490-1497	2.9	22
55	Resisted Sled Sprint Training to Improve Sprint Performance: A Systematic Review. <i>Sports Medicine</i> , <b>2016</b> , 46, 381-400	10.6	92
54	Effectiveness of an Individualized Training Based on Force-Velocity Profiling during Jumping. <i>Frontiers in Physiology</i> , <b>2016</b> , 7, 677	4.6	116
53	Effect of the Fatigue Induced by a 110-km Ultramarathon on Tibial Impact Acceleration and Lower Leg Kinematics. <i>PLoS ONE</i> , <b>2016</b> , 11, e0151687	3.7	27



52	Mechanical Alterations to Repeated Treadmill Sprints in Normobaric Hypoxia. <i>Medicine and Science in Sports and Exercise</i> , <b>2016</b> , 48, 1570-9	1.2	19
51	Sprint Acceleration Mechanics in Masters Athletes. <i>Medicine and Science in Sports and Exercise</i> , <b>2016</b> , 48, 2469-2476	1.2	19
50	Foot strike pattern differently affects the axial and transverse components of shock acceleration and attenuation in downhill trail running. <i>Journal of Biomechanics</i> , <b>2016</b> , 49, 1765-1771	2.9	26
49	Intrasession and Intersession Reliability of Running Mechanics During Treadmill Sprints. <i>International Journal of Sports Physiology and Performance</i> , <b>2016</b> , 11, 432-9	3.5	17
48	Impairment of Sprint Mechanical Properties in an Actual Soccer Match: A Pilot Study. <i>International Journal of Sports Physiology and Performance</i> , <b>2016</b> , 11, 893-898	3.5	24
47	Running Mechanics During the World's Most Challenging Mountain Ultramarathon. <i>International Journal of Sports Physiology and Performance</i> , <b>2016</b> , 11, 608-14	3.5	33
46	Acceleration capability in elite sprinters and ground impulse: Push more, brake less?. <i>Journal of Biomechanics</i> , <b>2015</b> , 48, 3149-54	2.9	79
45	Foot strike pattern and impact continuous measurements during a trail running race: proof of concept in a world-class athlete. <i>Footwear Science</i> , <b>2015</b> , 7, 127-137	1.4	35
44	Comparison of Four Sections for Analyzing Running Mechanics Alterations During Repeated Treadmill Sprints. <i>Journal of Applied Biomechanics</i> , <b>2015</b> , 31, 389-95	1.2	22
43	Mechanical Properties of Sprinting in Elite Rugby Union and Rugby League. <i>International Journal of Sports Physiology and Performance</i> , <b>2015</b> , 10, 695-702	3.5	54
42	Neuro-mechanical determinants of repeated treadmill sprints - Usefulness of an "hypoxic to normoxic recovery" approach. <i>Frontiers in Physiology</i> , <b>2015</b> , 6, 260	4.6	18
41	Sprint Acceleration Mechanics: The Major Role of Hamstrings in Horizontal Force Production. <i>Frontiers in Physiology</i> , <b>2015</b> , 6, 404	4.6	143
40	Assessing Stride Variables and Vertical Stiffness with GPS-Embedded Accelerometers: Preliminary Insights for the Monitoring of Neuromuscular Fatigue on the Field. <i>Journal of Sports Science and Medicine</i> , <b>2015</b> , 14, 698-701	2.7	28
39	A simple field method to identify foot strike pattern during running. <i>Journal of Biomechanics</i> , <b>2014</b> , 47, 1588-93	2.9	41
38	Simulation of uphill/downhill running on a level treadmill using additional horizontal force. <i>Journal of Biomechanics</i> , <b>2014</b> , 47, 2517-21	2.9	2
37	The effects of tapering on power-force-velocity profiling and jump performance in professional rugby league players. <i>Journal of Strength and Conditioning Research</i> , <b>2014</b> , 28, 3567-70	3.2	29
36	Reliabilities of leg and vertical stiffness during treadmill running. <i>Sports Biomechanics</i> , <b>2014</b> , 13, 391-9	2.2	31
35	Effect of countermovement on power-force-velocity profile. <i>European Journal of Applied Physiology</i> , <b>2014</b> , 114, 2281-8	3.4	60

34	Force-velocity properties. Contribution to bilateral deficit during ballistic push-off. <i>Medicine and Science in Sports and Exercise</i> , <b>2014</b> , 46, 107-14	1.2	25
33	Mechanical determinants of acceleration and maximal sprinting speed in highly trained young soccer players. <i>Journal of Sports Sciences</i> , <b>2014</b> , 32, 1906-1913	3.6	85
32	Data-driven modelling of vertical dynamic excitation of bridges induced by people running. <i>Mechanical Systems and Signal Processing</i> , <b>2014</b> , 43, 153-170	7.8	16
31	Changes in running mechanics and spring-mass behaviour induced by a 5-hour hilly running bout. <i>Journal of Sports Sciences</i> , <b>2013</b> , 31, 299-304	3.6	35
30	Impact reduction through long-term intervention in recreational runners: midfoot strike pattern versus low-drop/low-heel height footwear. <i>European Journal of Applied Physiology</i> , <b>2013</b> , 113, 2077-90	3.4	43
29	Lower limb mechanical properties: significant references omitted. <i>Sports Medicine</i> , <b>2013</b> , 43, 151-3	10.6	1
28	Impact reduction during running: efficiency of simple acute interventions in recreational runners. <i>European Journal of Applied Physiology</i> , <b>2013</b> , 113, 599-609	3.4	78
27	Consequences of an ultra-trail on impact and lower limb kinematics in male and female runners. <i>Footwear Science</i> , <b>2013</b> , 5, S14-S15	1.4	5
26	High-intensity sprint fatigue does not alter constant-submaximal velocity running mechanics and spring-mass behavior. <i>European Journal of Applied Physiology</i> , <b>2012</b> , 112, 1419-28	3.4	22
25	Mechanical determinants of 100-m sprint running performance. <i>European Journal of Applied Physiology</i> , <b>2012</b> , 112, 3921-30	3.4	259
24	Optimal force-velocity profile in ballistic movements--altius: citius or fortius?. <i>Medicine and Science in Sports and Exercise</i> , <b>2012</b> , 44, 313-22	1.2	167
23	Energy cost and mechanical work of walking during load carriage in soldiers. <i>Medicine and Science in Sports and Exercise</i> , <b>2012</b> , 44, 1131-40	1.2	30
22	Why does walking economy improve after weight loss in obese adolescents?. <i>Medicine and Science in Sports and Exercise</i> , <b>2012</b> , 44, 659-65	1.2	25
21	Effects of extreme-duration heavy load carriage on neuromuscular function and locomotion: a military-based study. <i>PLoS ONE</i> , <b>2012</b> , 7, e43586	3.7	22
20	Effect of fatigue on force production and force application technique during repeated sprints. <i>Journal of Biomechanics</i> , <b>2011</b> , 44, 2719-23	2.9	46
19	Performance and fatigue during repeated sprints: what is the appropriate sprint dose?. <i>Journal of Strength and Conditioning Research</i> , <b>2011</b> , 25, 1918-24	3.2	12
18	Sprint running performance: comparison between treadmill and field conditions. <i>European Journal of Applied Physiology</i> , <b>2011</b> , 111, 1695-703	3.4	58
17	Effects of carbohydrates-BCAAs-caffeine ingestion on performance and neuromuscular function during a 2-h treadmill run: a randomized, double-blind, cross-over placebo-controlled study. <i>Journal of the International Society of Sports Nutrition</i> , <b>2011</b> , 8, 22	4.5	7



16	Changes in running kinematics, kinetics, and spring-mass behavior over a 24-h run. <i>Medicine and Science in Sports and Exercise</i> , <b>2011</b> , 43, 829-36	1.2	73
15	Technical ability of force application as a determinant factor of sprint performance. <i>Medicine and Science in Sports and Exercise</i> , <b>2011</b> , 43, 1680-8	1.2	248
14	Mechanical work and metabolic cost of walking after weight loss in obese adolescents. <i>Medicine and Science in Sports and Exercise</i> , <b>2010</b> , 42, 1914-22	1.2	27
13	Jumping ability: a theoretical integrative approach. <i>Journal of Theoretical Biology</i> , <b>2010</b> , 264, 11-8	2.3	48
12	Causes of dropouts in decathlon. A pilot study. <i>Physical Therapy in Sport</i> , <b>2010</b> , 11, 133-5	3	22
11	Cyclostationary modeling of ground reaction force signals. <i>Signal Processing</i> , <b>2010</b> , 90, 1146-1152	4.4	20
10	Do mechanical gait parameters explain the higher metabolic cost of walking in obese adolescents?. <i>Journal of Applied Physiology</i> , <b>2009</b> , 106, 1763-70	3.7	72
9	Effects of muscular biopsy on the mechanics of running. <i>European Journal of Applied Physiology</i> , <b>2009</b> , 105, 185-90	3.4	10
8	Running from Paris to Beijing: biomechanical and physiological consequences. <i>European Journal of Applied Physiology</i> , <b>2009</b> , 107, 731-8	3.4	40
7	Running pattern changes depending on the level of subjects' awareness of the measurements performed: a "sampling effect" in human locomotion experiments?. <i>Gait and Posture</i> , <b>2009</b> , 30, 507-10	2.6	20
6	Multigrip flexible device: electromyographical analysis and comparison with the bench press exercise. <i>Journal of Strength and Conditioning Research</i> , <b>2009</b> , 23, 652-9	3.2	5
5	Elite long sprint running: a comparison between incline and level training sessions. <i>Medicine and Science in Sports and Exercise</i> , <b>2008</b> , 40, 1155-62	1.2	25
4	A simple method for measuring force, velocity and power output during squat jump. <i>Journal of Biomechanics</i> , <b>2008</b> , 41, 2940-5	2.9	138
3	A simple method for measuring stiffness during running. <i>Journal of Applied Biomechanics</i> , <b>2005</b> , 21, 167-80	2.2	212
2	A simple method for measurement of maximal downstroke power on friction-loaded cycle ergometer. <i>Journal of Biomechanics</i> , <b>2004</b> , 37, 141-5	2.9	16
1	A simple method for computing sprint acceleration kinetics from running velocity data: replication study with improved design		2