

J Vilas-Boas

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.

200
papers

2,377
citations

22
h-index

37
g-index

242
ext. papers

2,910
ext. citations

2.8
avg, IF

5.13
L-index

#	Paper	IF	Citations
200	How Do Saxophonists Communicate Through Bodily Behavior? A Contribution to Embodied Performance Pedagogies. <i>Springer Series in Design and Innovation</i> , 2023 , 655-673	0.1	0
199	Back plate and wedge use and individual ventral and dorsal swimming start performance: a systematic review.. <i>Sports Biomechanics</i> , 2022 , 1-25	2.2	0
198	Case Study: A Jaw-Protruding Dental Splint Improves Running Physiology and Kinematics.. <i>International Journal of Sports Physiology and Performance</i> , 2022 , 1-5	3.5	0
197	Biomechanical Features of Backstroke to Breaststroke Transition Techniques in Age-Group Swimmers.. <i>Frontiers in Sports and Active Living</i> , 2022 , 4, 802967	2.3	0
196	A systematic review with meta-analysis of the diagnostic test accuracy of pedicle screw electrical stimulation.. <i>European Spine Journal</i> , 2022 , 1	2.7	0
195	Velocity Variability and Performance in Backstroke in Elite and Good-Level Swimmers. <i>International Journal of Environmental Research and Public Health</i> , 2022 , 19, 6744	4.6	1
194	Effectiveness of Therapeutic Exercise in Musculoskeletal Risk Factors Related to Swimmer's Shoulder. <i>European Journal of Investigation in Health, Psychology and Education</i> , 2022 , 12, 601-615	1.9	0
193	Do swimmers conform to criterion speed during pace-controlled swimming in a 25-m pool using a visual light pacer?. <i>Sports Biomechanics</i> , 2021 , 20, 651-664	2.2	2
192	Does exergaming drive future physical activity and sport intentions?. <i>Journal of Health Psychology</i> , 2021 , 26, 2173-2185	3.1	9
191	Can increased load carriage affect lower limbs kinematics during military gait?. <i>Ergonomics</i> , 2021 , 1-10	2.9	1
190	How Technique Modifications in Elite 100m Swimmers Might Improve Front Crawl Performances to Podium Levels: Swimming 'Chariots of Fire'. <i>Sports Biomechanics</i> , 2021 , 1-20	2.2	0
189	A New Coupling Method for Accurate Measurement of Pedicle Screw Electrical Properties for Surgical Procedures. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 9861	2.6	1
188	How Does Bariatric Surgery Affect Fall Risk Factors?. <i>Obesity Surgery</i> , 2021 , 31, 3506-3513	3.7	0
187	Lower limb kinematic, kinetic, and EMG data from young healthy humans during walking at controlled speeds. <i>Scientific Data</i> , 2021 , 8, 103	8.2	8
186	Psychological and Physiological Features Associated with Swimming Performance. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	2
185	Is torso twist production the primary role of the torso muscles in front crawl swimming?. <i>Sports Biomechanics</i> , 2021 , 1-15	2.2	1
184	Pre-exercise skin temperature evolution is not related with 100´m front crawl performance. <i>Journal of Thermal Biology</i> , 2021 , 98, 102926	2.9	0

183	Differences in the rotational effect of buoyancy and trunk kinematics between front crawl and backstroke swimming. <i>Sports Biomechanics</i> , 2021 , 1-12	2.2	
182	Numerical simulations of a swimmer's head and cap wearing different types of goggles. <i>Sports Biomechanics</i> , 2021 , 1-13	2.2	1
181	Postural Control and Sleep Quality in Cognitive Dual Tasking in Healthy Young Adults. <i>J</i> , 2021 , 4, 257-265.9		
180	Lateral kinetic proficiency and asymmetry in backstroke start performed with horizontal and vertical handgrips. <i>Sports Biomechanics</i> , 2021 , 20, 71-85	2.2	4
179	The Effect of an Exercise Intervention Program on Bone Health After Bariatric Surgery: A Randomized Controlled Trial. <i>Journal of Bone and Mineral Research</i> , 2021 , 36, 489-499	6.3	9
178	Infrared Thermography in Swimming 2021 , 795-815		
177	Body roll amplitude and timing in backstroke swimming and their differences from front crawl at the same swimming intensities. <i>Scientific Reports</i> , 2021 , 11, 824	4.9	1
176	Muscle Co-Activation around the Knee during Different Walking Speeds in Healthy Females. <i>Sensors</i> , 2021 , 21,	3.8	2
175	Case Study: Comparison of Swimsuits and Wetsuits Through Biomechanics and Energetics in Elite Female Open Water Swimmers. <i>International Journal of Sports Physiology and Performance</i> , 2021 , 1-7	3.5	3
174	Backstroke to Breaststroke Turning Performance in Age-Group Swimmers: Hydrodynamic Characteristics and Pull-Out Strategy. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	3
173	The impact of a single surfing paddling cycle on fatigue and energy cost. <i>Scientific Reports</i> , 2021 , 11, 4566	4.9	0
172	Kinematics, Speed, and Anthropometry-Based Ankle Joint Torque Estimation: A Deep Learning Regression Approach. <i>Machines</i> , 2021 , 9, 154	2.9	5
171	Metabolic Power, Active Drag, Mechanical and Propelling Efficiency of Elite Swimmers at 100 Meter Events in Different Competitive Swimming Techniques. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 8511	2.6	2
170	A Bibliometric Analysis of Intraoperative Neuromonitoring in Spine Surgery. <i>World Neurosurgery</i> , 2021 , 154, 3-12	2.1	4
169	Multi-User Virtual Environments for Physical Education and Sport Training 2021 , 734-755		
168	Modeling and predicting the backstroke to breaststroke turns performance in age-group swimmers.. <i>Sports Biomechanics</i> , 2021 , 1-22	2.2	
167	Overall indexes of coordination in front crawl swimming. <i>Journal of Sports Sciences</i> , 2020 , 38, 910-917	3.6	7
166	5 km front crawl in pool and open water swimming: breath-by-breath energy expenditure and kinematic analysis. <i>European Journal of Applied Physiology</i> , 2020 , 120, 2005-2018	3.4	4

165	Accelerometer-based prediction of skeletal mechanical loading during walking in normal weight to severely obese subjects. <i>Osteoporosis International</i> , 2020 , 31, 1239-1250	5.3	5
164	Anaerobic Threshold Biophysical Characterisation of the Four Swimming Techniques. <i>International Journal of Sports Medicine</i> , 2020 , 41, 318-327	3.6	10
163	Wearable Inertial Sensor System Towards Daily Human Kinematic Gait Analysis: Benchmarking Analysis to MVN BIOMECH. <i>Sensors</i> , 2020 , 20,	3.8	8
162	Commentaries on Viewpoint: Physiology and fast marathons. <i>Journal of Applied Physiology</i> , 2020 , 128, 1069-1085	3.7	11
161	Biophysical Follow-up of Age-Group Swimmers During a Traditional Three-Peak Preparation Program. <i>Journal of Strength and Conditioning Research</i> , 2020 , 34, 2585-2595	3.2	12
160	Post-swim oxygen consumption: assessment methodologies and kinetics analysis. <i>Physiological Measurement</i> , 2020 , 41, 105005	2.9	3
159	Upper body kinematic differences between maximum front crawl and backstroke swimming. <i>Journal of Biomechanics</i> , 2020 , 98, 109452	2.9	2
158	Accelerometry calibration in people with class II-III obesity: Energy expenditure prediction and physical activity intensity identification. <i>Gait and Posture</i> , 2020 , 76, 104-109	2.6	5
157	Reliability of infrared image analysis based on anatomical landmarks. <i>Infrared Physics and Technology</i> , 2020 , 104, 103149	2.7	0
156	Front Crawl Is More Efficient and Has Smaller Active Drag Than Backstroke Swimming: Kinematic and Kinetic Comparison Between the Two Techniques at the Same Swimming Speeds. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 570657	5.8	9
155	Differences in force production and EMG activity on underwater and dry land conditions in swimmers and non-swimmers. <i>Sports Biomechanics</i> , 2020 , 1-14	2.2	1
154	A global view on how local muscular fatigue affects human performance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 19866-19872	11.5	3
153	Paddling time parameters and paddling efficiency with the increase in stroke rate in kayaking. <i>Sports Biomechanics</i> , 2020 , 1-9	2.2	7
152	Monitoring Age-Group Swimmers Over a Training Macrocycle: Energetics, Technique, and Anthropometrics. <i>Journal of Strength and Conditioning Research</i> , 2020 , 34, 818-827	3.2	15
151	VOBITTING: A Free and Open-Source Software for Modelling Oxygen Uptake Kinetics in Swimming and other Exercise Modalities. <i>Sports</i> , 2019 , 7,	3	4
150	Task Constraints and Coordination Flexibility in Young Swimmers. <i>Motor Control</i> , 2019 , 1-18	1.3	6
149	Does the cleat model interfere with ankle sprain risk factors in artificial grass?. <i>Clinical Biomechanics</i> , 2019 , 63, 119-126	2.2	1
148	Physiological and Biomechanical Evaluation of a Training Macrocycle in Children Swimmers. <i>Sports</i> , 2019 , 7,	3	5

147	Predicting centre of mass horizontal speed in low to severe swimming intensities with linear and non-linear models. <i>Journal of Sports Sciences</i> , 2019 , 37, 1512-1520	3.6	0
146	Eccentric flywheel post-activation potentiation influences swimming start performance kinetics. <i>Journal of Sports Sciences</i> , 2019 , 37, 443-451	3.6	17
145	Skin temperature of the foot: comparing transthyretin Familial Amyloid Polyneuropathy and Diabetic Foot patients. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , 2019 , 7, 504-511	0.9	1
144	Relationship between skin temperature and soft tissue hardness in diabetic patients: an exploratory study. <i>Physiological Measurement</i> , 2019 , 40, 074007	2.9	3
143	3D Device for Forces in Swimming Starts and Turns. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3559	2.6	4
142	Different Cleat Models Do Not Influence Side Hop Test Performance of Soccer Players with and Without Chronic Ankle Instability. <i>Journal of Human Kinetics</i> , 2019 , 70, 156-164	2.6	3
141	Multi-User Virtual Environments for Physical Education and Sport Training. <i>Advances in Multimedia and Interactive Technologies Book Series</i> , 2019 , 20-41	0.2	
140	Effects of detraining in age-group swimmers performance, energetics and kinematics. <i>Journal of Sports Sciences</i> , 2019 , 37, 1490-1498	3.6	16
139	In-Water and On-Land Swimmers' Symmetry and Force Production. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	7
138	A Biophysical Analysis on the Arm Stroke Efficiency in Front Crawl Swimming: Comparing Methods and Determining the Main Performance Predictors. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	10
137	Integrated Analysis of Young Swimmers' Sprint Performance. <i>Motor Control</i> , 2019 , 23, 354-364	1.3	15
136	Comparison of Incremental Intermittent and Time Trial Testing in Age-Group Swimmers. <i>Journal of Strength and Conditioning Research</i> , 2019 , 33, 801-810	3.2	15
135	Functional shoulder ratios with high velocities of shoulder internal rotation are most sensitive to determine shoulder rotation torque imbalance: a cross-sectional study with elite handball players and controls. <i>Sports Biomechanics</i> , 2019 , 18, 39-50	2.2	3
134	Biomechanical analyses of synchronised swimming standard and contra-standard sculling. <i>Sports Biomechanics</i> , 2019 , 18, 354-365	2.2	2
133	Shoulder mechanical demands of slow underwater exercises in the scapular plane. <i>Clinical Biomechanics</i> , 2018 , 53, 117-123	2.2	1
132	Modelling and Predicting Backstroke Start Performance Using Non-Linear and Linear Models. <i>Journal of Human Kinetics</i> , 2018 , 61, 29-38	2.6	4
131	Shoulder joint kinetics and dynamics during underwater forward arm elevation. <i>Journal of Biomechanics</i> , 2018 , 71, 144-150	2.9	2
130	Intracyclic Variation of Force and Swimming Performance. <i>International Journal of Sports Physiology and Performance</i> , 2018 , 13, 897-902	3.5	8

129	Differences in kinematics and energy cost between front crawl and backstroke below the anaerobic threshold. <i>European Journal of Applied Physiology</i> , 2018 , 118, 1107-1118	3.4	13
128	Comparison of Different Methods for the Swimming Aerobic Capacity Evaluation. <i>Journal of Strength and Conditioning Research</i> , 2018 , 32, 3542-3551	3.2	5
127	Acute kinematics changes in marathon runners using different footwear. <i>Journal of Sports Sciences</i> , 2018 , 36, 766-770	3.6	7
126	Skin Temperature of the Foot: A Comparative Study Between Familial Amyloid Polyneuropathy and Diabetic Foot Patients. <i>Lecture Notes in Computational Vision and Biomechanics</i> , 2018 , 1048-1052	0.3	
125	Do traditional and reverse swimming training periodizations lead to similar aerobic performance improvements?. <i>Journal of Sports Medicine and Physical Fitness</i> , 2018 , 58, 761-767	1.4	15
124	Forward trunk lean with arm support affects the activity of accessory respiratory muscles and thoracoabdominal movement in healthy individuals. <i>Human Movement Science</i> , 2018 , 61, 167-176	2.4	6
123	Effect of wetted surface area on friction, pressure, wave and total drag of a kayak. <i>Sports Biomechanics</i> , 2018 , 17, 453-461	2.2	5
122	Sport Exergames for Physical Education 2018 , 7358-7367		1
121	Skin Temperature in Diabetic Foot Patients: A Study Focusing on the Angiosome Concept. <i>Lecture Notes in Computational Vision and Biomechanics</i> , 2018 , 1035-1040	0.3	1
120	Skin temperature of the foot: Reliability of infrared image analysis based in the angiosome concept. <i>Infrared Physics and Technology</i> , 2018 , 92, 402-408	2.7	6
119	Effect of hand paddles and parachute on backstroke coordination and stroke parameters. <i>Journal of Sports Sciences</i> , 2017 , 35, 906-911	3.6	1
118	Abdominal muscle activity during breathing in different postures in COPD "Stage 0" and healthy subjects. <i>Respiratory Physiology and Neurobiology</i> , 2017 , 238, 14-22	2.8	2
117	Modulation of upper limb joint work and power during sculling while ballasted with varying loads. <i>Journal of Experimental Biology</i> , 2017 , 220, 1729-1736	3	3
116	The effect of inspiratory and expiratory loads on abdominal muscle activity during breathing in subjects "at risk" for the development of chronic obstructive pulmonary disease and healthy. <i>Journal of Electromyography and Kinesiology</i> , 2017 , 34, 50-57	2.5	2
115	VO at Maximal and Supramaximal Intensities: Lessons to High-Intensity Interval Training in Swimming. <i>International Journal of Sports Physiology and Performance</i> , 2017 , 12, 872-877	3.5	6
114	Explosive lower limb extension mechanics: An on-land vs. in-water exploratory comparison. <i>Journal of Biomechanics</i> , 2017 , 65, 106-114	2.9	0
113	Influence of Cleats-Surface Interaction on the Performance and Risk of Injury in Soccer: A Systematic Review. <i>Applied Bionics and Biomechanics</i> , 2017 , 2017, 1305479	1.6	8
112	Biomechanical Parameters in Children with Unilateral and Bilateral Clubfoot during Vertical Jumps. <i>Motriz Revista De Educacao Fisica</i> , 2017 , 23, 40-46	0.9	

111	Muscle activation behavior in a swimming exergame: Differences by experience and gaming velocity. <i>Physiology and Behavior</i> , 2017 , 181, 23-28	3.5	10
110	Physiological demands of a swimming-based video game: Influence of gender, swimming background, and exergame experience. <i>Scientific Reports</i> , 2017 , 7, 5247	4.9	6
109	The influence of different soccer cleat type on kinetic, kinematic and neuromuscular ankle variables in artificial turf. <i>Footwear Science</i> , 2017 , 9, 21-31	1.4	4
108	The Effects of Leg Kick on Swimming Speed and Arm-Stroke Efficiency in the Front Crawl. <i>International Journal of Sports Physiology and Performance</i> , 2017 , 12, 728-735	3.5	13
107	Biophysical Determinants of Front-Crawl Swimming at Moderate and Severe Intensities. <i>International Journal of Sports Physiology and Performance</i> , 2017 , 12, 241-246	3.5	15
106	The effects of two different swimming training periodization on physiological parameters at various exercise intensities. <i>European Journal of Sport Science</i> , 2017 , 17, 425-432	3.9	24
105	Abdominal muscle activity during breathing in different postural sets in healthy subjects. <i>Journal of Bodywork and Movement Therapies</i> , 2017 , 21, 354-361	1.6	11
104	Kinematic Changes during Prolonged Fast-Walking in Old and Young Adults. <i>Frontiers in Medicine</i> , 2017 , 4, 207	4.9	2
103	Oxygen uptake kinetics and energy system's contribution around maximal lactate steady state swimming intensity. <i>PLoS ONE</i> , 2017 , 12, e0167263	3.7	9
102	Infrared Thermography in Swimming. <i>Advances in Medical Technologies and Clinical Practice Book Series</i> , 2017 , 199-219	0.3	1
101	Biomechanics, energetics and coordination during extreme swimming intensity: effect of performance level. <i>Journal of Sports Sciences</i> , 2017 , 35, 1614-1621	3.6	9
100	Upper limb joint forces and moments during underwater cyclical movements. <i>Journal of Biomechanics</i> , 2016 , 49, 3355-3361	2.9	13
99	Front Crawl Sprint Performance: A Cluster Analysis of Biomechanics, Energetics, Coordinative, and Anthropometric Determinants in Young Swimmers. <i>Motor Control</i> , 2016 , 20, 209-21	1.3	20
98	The effect of different foot and hand set-up positions on backstroke start performance. <i>Sports Biomechanics</i> , 2016 , 15, 481-96	2.2	10
97	Reliability and accuracy of spatial-temporal gait parameters measured by the WalkinSense [®] . <i>Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology</i> , 2016 , 230, 275-279	0.7	1
96	Behavioural variability and motor performance: Effect of practice specialization in front crawl swimming. <i>Human Movement Science</i> , 2016 , 47, 141-150	2.4	6
95	AquaTrainer [®] Snorkel does not Increase Hydrodynamic Drag but Influences Turning Time. <i>International Journal of Sports Medicine</i> , 2016 , 37, 324-8	3.6	9
94	Are the new starting block facilities beneficial for backstroke start performance?. <i>Journal of Sports Sciences</i> , 2016 , 34, 871-7	3.6	9

93	Integrated Dynamometric, Kinematic and Electromyographic Characterisation of a Swimming Track Start Block Phase I A Pilot Study. <i>Central European Journal of Sport Sciences and Medicine</i> , 2016 , 15, 5-14	0.1	2
92	Muscle Activation during Exergame Playing. <i>Advances in Medical Technologies and Clinical Practice Book Series</i> , 2016 , 312-341	0.3	2
91	Abdominal muscle activity during breathing with and without inspiratory and expiratory loads in healthy subjects. <i>Journal of Electromyography and Kinesiology</i> , 2016 , 30, 143-50	2.5	13
90	Towards a detailed anthropometric body characterization using the Microsoft Kinect. <i>Technology and Health Care</i> , 2016 , 24, 251-65	1.1	4
89	Do player performance, real sport experience, and gender affect movement patterns during equivalent exergame?. <i>Computers in Human Behavior</i> , 2016 , 63, 1-8	7.7	13
88	The Effect of Intensity on 3-Dimensional Kinematics and Coordination in Front-Crawl Swimming. <i>International Journal of Sports Physiology and Performance</i> , 2016 , 11, 768-775	3.5	12
87	Do 5% changes around maximal lactate steady state lead to swimming biophysical modifications?. <i>Human Movement Science</i> , 2016 , 49, 258-66	2.4	8
86	VO ₂ kinetics and metabolic contributions during full and upper body extreme swimming intensity. <i>European Journal of Applied Physiology</i> , 2015 , 115, 1117-24	3.4	36
85	Effective Swimmer's Action during the Grab Start Technique. <i>PLoS ONE</i> , 2015 , 10, e0123001	3.7	10
84	Pooling sexes when assessing ground reaction forces during walking: Statistical Parametric Mapping versus traditional approach. <i>Journal of Biomechanics</i> , 2015 , 48, 2162-5	2.9	2
83	Exercise modality effect on oxygen uptake off-transient kinetics at maximal oxygen uptake intensity. <i>Experimental Physiology</i> , 2015 , 100, 719-29	2.4	11
82	Computational fluid dynamics vs. inverse dynamics methods to determine passive drag in two breaststroke glide positions. <i>Journal of Biomechanics</i> , 2015 , 48, 2221-6	2.9	9
81	Autonomic adaptation after traditional and reverse swimming training periodizations. <i>Acta Physiologica Hungarica</i> , 2015 , 102, 105-13		45
80	Kinematic, kinetic and EMG analysis of four front crawl flip turn techniques. <i>Journal of Sports Sciences</i> , 2015 , 33, 2006-15	3.6	13
79	The effects of intensity on V O ₂ kinetics during incremental free swimming. <i>Applied Physiology, Nutrition and Metabolism</i> , 2015 , 40, 918-23	3	11
78	Hydrodynamic analysis of different finger positions in swimming: a computational fluid dynamics approach. <i>Journal of Applied Biomechanics</i> , 2015 , 31, 48-55	1.2	9
77	Paddling Force Profiles at Different Stroke Rates in Elite Sprint Kayaking. <i>Journal of Applied Biomechanics</i> , 2015 , 31, 258-63	1.2	31
76	Effects of protocol step length on biomechanical measures in swimming. <i>International Journal of Sports Physiology and Performance</i> , 2015 , 10, 211-8	3.5	9

75	Exercise Modality Effect on Bioenergetical Performance at $\dot{V}O_2$ max Intensity. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 1705-13	1.2	16
74	Reconstruction Accuracy Assessment of Surface and Underwater 3D Motion Analysis: A New Approach. <i>Computational and Mathematical Methods in Medicine</i> , 2015 , 2015, 269264	2.8	16
73	Design and construction of a 3D force plate prototype for developing an instrumented swimming start block. <i>Journal of Biomedical Engineering and Informatics</i> , 2015 , 2, 99		5
72	Is passive drag dependent on the interaction of kayak design and paddler weight in flat-water kayaking?. <i>Sports Biomechanics</i> , 2015 , 14, 394-403	2.2	7
71	Physiological Adaptations to Training in Competitive Swimming: A Systematic Review. <i>Journal of Human Kinetics</i> , 2015 , 49, 179-94	2.6	10
70	The influence of gait cadence on the ground reaction forces and plantar pressures during load carriage of young adults. <i>Applied Ergonomics</i> , 2015 , 49, 41-6	4.2	18
69	Neuromuscular Activity of Upper and Lower Limbs during two Backstroke Swimming Start Variants. <i>Journal of Sports Science and Medicine</i> , 2015 , 14, 591-601	2.7	3
68	In-shoe plantar pressures and ground reaction forces during overweight adults' overground walking. <i>Research Quarterly for Exercise and Sport</i> , 2014 , 85, 188-97	1.9	13
67	Co-activation of upper limb muscles during reaching in post-stroke subjects: an analysis of the contralesional and ipsilesional limbs. <i>Journal of Electromyography and Kinesiology</i> , 2014 , 24, 731-8	2.5	17
66	Influence of pressure-relief insoles developed for loaded gait (backpackers and obese people) on plantar pressure distribution and ground reaction forces. <i>Applied Ergonomics</i> , 2014 , 45, 1028-34	4.2	18
65	Critical evaluation of oxygen-uptake assessment in swimming. <i>International Journal of Sports Physiology and Performance</i> , 2014 , 9, 190-202	3.5	9
64	Assessment of fatigue thresholds in 50-m all-out swimming. <i>International Journal of Sports Physiology and Performance</i> , 2014 , 9, 959-65	3.5	5
63	Biophysical characterization of a swimmer with a unilateral arm amputation: a case study. <i>International Journal of Sports Physiology and Performance</i> , 2014 , 9, 1050-3	3.5	9
62	The backstroke swimming start: state of the art. <i>Journal of Human Kinetics</i> , 2014 , 42, 27-40	2.6	9
61	Which are the best $\dot{V}O_2$ sampling intervals to characterize low to severe swimming intensities?. <i>International Journal of Sports Medicine</i> , 2014 , 35, 1030-6	3.6	13
60	$\dot{V}O_2$ kinetics and metabolic contributions whilst swimming at 95, 100, and 105% of the velocity at $\dot{V}O_2$ max. <i>BioMed Research International</i> , 2014 , 2014, 675363	3	18
59	Accuracy and repeatability of the gait analysis by the WalkinSense system. <i>BioMed Research International</i> , 2014 , 2014, 348659	3	22
58	Influence of prior exercise on $\dot{V}O_2$ kinetics subsequent exhaustive rowing performance. <i>PLoS ONE</i> , 2014 , 9, e84208	3.7	8

57	Kinematical Analysis along Maximal Lactate Steady State Swimming Intensity. <i>Journal of Sports Science and Medicine</i> , 2014 , 13, 610-5	2.7	4
56	Phase-dependence of elbow muscle coactivation in front crawl swimming. <i>Journal of Electromyography and Kinesiology</i> , 2013 , 23, 820-5	2.5	15
55	About the use and conclusions extracted from a single tube snorkel used for respiratory data acquisition during swimming. <i>Journal of Physiological Sciences</i> , 2013 , 63, 155-7	2.3	7
54	Changes in arm coordination and stroke parameters on transition through the lactate threshold. <i>European Journal of Applied Physiology</i> , 2013 , 113, 1957-64	3.4	16
53	Anaerobic alactic energy assessment in middle distance swimming. <i>European Journal of Applied Physiology</i> , 2013 , 113, 2153-8	3.4	14
52	Backstroke start kinematic and kinetic changes due to different feet positioning. <i>Journal of Sports Sciences</i> , 2013 , 31, 1665-75	3.6	16
51	Ground reaction forces and plantar pressure distribution during occasional loaded gait. <i>Applied Ergonomics</i> , 2013 , 44, 503-9	4.2	33
50	Relation between efficiency and energy cost with coordination in aquatic locomotion. <i>European Journal of Applied Physiology</i> , 2013 , 113, 651-9	3.4	17
49	Interplay of biomechanical, energetic, coordinative, and muscular factors in a 200 m front crawl swim. <i>BioMed Research International</i> , 2013 , 2013, 897232	3	25
48	Upper- and lower-limb muscular fatigue during the 200-m front crawl. <i>Applied Physiology, Nutrition and Metabolism</i> , 2013 , 38, 716-24	3	22
47	Intracyclic velocity variation and arm coordination assessment in swimmers with Down syndrome. <i>Adapted Physical Activity Quarterly</i> , 2013 , 30, 70-84	1.7	5
46	Kinematic and electromyographic changes during 200 m front crawl at race pace. <i>International Journal of Sports Medicine</i> , 2013 , 34, 49-55	3.6	20
45	Cinética do consumo de oxigênio a intensidades de nado moderada e extrema. <i>Revista Brasileira De Medicina Do Esporte</i> , 2013 , 19, 186-190	0.5	4
44	Backstroke technical characterization of 11-13 year-old swimmers. <i>Journal of Sports Science and Medicine</i> , 2013 , 12, 623-9	2.7	7
43	Front crawl technical characterization of 11- to 13-year- old swimmers. <i>Pediatric Exercise Science</i> , 2012 , 24, 409-19	2	11
42	Effects of fatigue on kinematical parameters during submaximal and maximal 100-m butterfly bouts. <i>Journal of Applied Biomechanics</i> , 2012 , 28, 599-607	1.2	5
41	Evaluation of adolescent swimmers through a 30-s tethered test. <i>Pediatric Exercise Science</i> , 2012 , 24, 312-21	2	14
40	Energy cost and body centre of mass' 3D intracycle velocity variation in swimming. <i>European Journal of Applied Physiology</i> , 2012 , 112, 3319-26	3.4	21

39	Time to Exhaustion at the VO ₂ max Velocity in Swimming: A Review. <i>Journal of Human Kinetics</i> , 2012 , 32, 121-34	2.6	26
38	The Effect of Depth on Drag During the Streamlined Glide: A Three-Dimensional CFD Analysis. <i>Journal of Human Kinetics</i> , 2012 , 33, 55-62	2.6	17
37	Individual profiles of spatio-temporal coordination in high intensity swimming. <i>Human Movement Science</i> , 2012 , 31, 1200-12	2.4	22
36	Effect of wearing a swimsuit on hydrodynamic drag of swimmer. <i>Brazilian Archives of Biology and Technology</i> , 2012 , 55, 851-856	1.8	13
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