

J Vilas-Boas

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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	Head posture and neck pain of chronic nontraumatic origin: a comparison between patients and pain-free persons. <i>Archives of Physical Medicine and Rehabilitation</i> , 2009 , 90, 669-74	2.8	138
199	An energy balance of the 200 m front crawl race. <i>European Journal of Applied Physiology</i> , 2011 , 111, 767-77	3.7	93
198	The influence of stroke mechanics into energy cost of elite swimmers. <i>European Journal of Applied Physiology</i> , 2008 , 103, 139-49	3.4	89
197	Relationship between tethered forces and the four swimming techniques performance. <i>Journal of Applied Biomechanics</i> , 2011 , 27, 161-9	1.2	81
196	Evaluation of the energy expenditure in competitive swimming strokes. <i>International Journal of Sports Medicine</i> , 2006 , 27, 894-9	3.6	65
195	Energy cost and intracyclic variation of the velocity of the centre of mass in butterfly stroke. <i>European Journal of Applied Physiology</i> , 2005 , 93, 519-23	3.4	56
194	Hydrodynamic drag during gliding in swimming. <i>Journal of Applied Biomechanics</i> , 2009 , 25, 253-7	1.2	54
193	Intensity- and muscle-specific fascicle behavior during human drop jumps. <i>Journal of Applied Physiology</i> , 2007 , 102, 382-9	3.7	49
192	Autonomic adaptation after traditional and reverse swimming training periodizations. <i>Acta Physiologica Hungarica</i> , 2015 , 102, 105-13		45
191	Swimming propulsion forces are enhanced by a small finger spread. <i>Journal of Applied Biomechanics</i> , 2010 , 26, 87-92	1.2	41
190	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
189	Determination of the drag coefficient during the first and second gliding positions of the breaststroke underwater stroke. <i>Journal of Applied Biomechanics</i> , 2010 , 26, 324-31	1.2	36
188	Ground reaction forces and plantar pressure distribution during occasional loaded gait. <i>Applied Ergonomics</i> , 2013 , 44, 503-9	4.2	33
187	Step length and individual anaerobic threshold assessment in swimming. <i>International Journal of Sports Medicine</i> , 2011 , 32, 940-6	3.6	32
186	Paddling Force Profiles at Different Stroke Rates in Elite Sprint Kayaking. <i>Journal of Applied Biomechanics</i> , 2015 , 31, 258-63	1.2	31
185	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
184	Acute effects of heavy-load exercises, stretching exercises, and heavy-load plus stretching exercises on squat jump and countermovement jump performance. <i>Journal of Strength and Conditioning Research</i> , 2009 , 23, 472-9	3.2	26

183	Differences in spatial-temporal parameters and arm-leg coordination in butterfly stroke as a function of race pace, skill and gender. <i>Human Movement Science</i> , 2008 , 27, 96-111	2.4	26
182	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
181	Analysis of drafting effects in swimming using computational fluid dynamics. <i>Journal of Sports Science and Medicine</i> , 2008 , 7, 60-6	2.7	25
180	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
179	Accuracy and repeatability of the gait analysis by the WalkinSense system. <i>BioMed Research International</i> , 2014 , 2014, 348659	3	22
178	Individual profiles of spatio-temporal coordination in high intensity swimming. <i>Human Movement Science</i> , 2012 , 31, 1200-12	2.4	22
177	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
176	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
175	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
174	Head posture assessment for patients with neck pain: Is it useful?. <i>International Journal of Therapy and Rehabilitation</i> , 2009 , 16, 43-53	0.4	20
173	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
172	Different VO2max time-averaging intervals in swimming. <i>International Journal of Sports Medicine</i> , 2012 , 33, 1010-5	3.6	20
171	Hydrodynamic analysis of different thumb positions in swimming. <i>Journal of Sports Science and Medicine</i> , 2009 , 8, 58-66	2.7	20
170	Kinematics of the hip and body center of mass in front crawl. <i>Journal of Human Kinetics</i> , 2012 , 33, 15-23	2.6	19
169	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
168	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
167	VO2 kinetics and metabolic contributions whilst swimming at 95, 100, and 105% of the velocity at VO2max. <i>BioMed Research International</i> , 2014 , 2014, 675363	3	18
166	Predicting the intra-cyclic variation of the velocity of the centre of mass from segmental velocities in butterfly stroke: a pilot study. <i>Journal of Sports Science and Medicine</i> , 2008 , 7, 201-9	2.7	18

165	Eccentric flywheel post-activation potentiation influences swimming start performance kinetics. <i>Journal of Sports Sciences</i> , 2019 , 37, 443-451	3.6	17
164	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
163	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
162	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
161	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
160	Backstroke start kinematic and kinetic changes due to different feet positioning. <i>Journal of Sports Sciences</i> , 2013 , 31, 1665-75	3.6	16
159	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
158	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
157	Three-dimensional CFD analysis of the hand and forearm in swimming. <i>Journal of Applied Biomechanics</i> , 2011 , 27, 74-80	1.2	16
156	Effects of detraining in age-group swimmers performance, energetics and kinematics. <i>Journal of Sports Sciences</i> , 2019 , 37, 1490-1498	3.6	16
155	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
154	Phase-dependence of elbow muscle coactivation in front crawl swimming. <i>Journal of Electromyography and Kinesiology</i> , 2013 , 23, 820-5	2.5	15
153	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
152	Integrated Analysis of Young Swimmers' Sprint Performance. <i>Motor Control</i> , 2019 , 23, 354-364	1.3	15
151	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
150	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
149	Anaerobic alactic energy assessment in middle distance swimming. <i>European Journal of Applied Physiology</i> , 2013 , 113, 2153-8	3.4	14
148	Evaluation of adolescent swimmers through a 30-s tethered test. <i>Pediatric Exercise Science</i> , 2012 , 24, 312-21	2	14

147	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
146	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
145	Upper limb joint forces and moments during underwater cyclical movements. <i>Journal of Biomechanics</i> , 2016 , 49, 3355-3361	2.9	13
144	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
143	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
142	Which are the best VO ₂ sampling intervals to characterize low to severe swimming intensities?. <i>International Journal of Sports Medicine</i> , 2014 , 35, 1030-6	3.6	13
141	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
140	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
139	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
138	Assessment of individual anaerobic threshold and stroking parameters in swimmers aged 10-11 years. <i>European Journal of Sport Science</i> , 2010 , 10, 311-317	3.9	12
137	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
136	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
135	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
134	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
133	Commentaries on Viewpoint: Physiology and fast marathons. <i>Journal of Applied Physiology</i> , 2020 , 128, 1069-1085	3.7	11
132	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
131	Front crawl technical characterization of 11- to 13-year- old swimmers. <i>Pediatric Exercise Science</i> , 2012 , 24, 409-19	2	11
130	Reconstruction Error of Calibration Volume's Coordinates for 3D Swimming Kinematics. <i>Journal of Human Kinetics</i> , 2011 , 29, 35-40	2.6	11

129	Gross efficiency and energy expenditure in kayak ergometer exercise. <i>International Journal of Sports Medicine</i> , 2012 , 33, 654-60	3.6	11
128	Effective Swimmer's Action during the Grab Start Technique. <i>PLoS ONE</i> , 2015 , 10, e0123001	3.7	10
127	Anaerobic Threshold Biophysical Characterisation of the Four Swimming Techniques. <i>International Journal of Sports Medicine</i> , 2020 , 41, 318-327	3.6	10
126	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
125	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
124	Physiological Adaptations to Training in Competitive Swimming: A Systematic Review. <i>Journal of Human Kinetics</i> , 2015 , 49, 179-94	2.6	10
123	Kinematic analysis of three water polo front crawl styles. <i>Journal of Sports Sciences</i> , 2012 , 30, 715-23	3.6	10
122	Is time limit at the minimum swimming velocity of VO2 max influenced by stroking parameters?. <i>Perceptual and Motor Skills</i> , 2006 , 103, 67-75	2.2	10
121	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
120	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
119	Does exergaming drive future physical activity and sport intentions?. <i>Journal of Health Psychology</i> , 2021 , 26, 2173-2185	3.1	9
118	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
117	Are the new starting block facilities beneficial for backstroke start performance?. <i>Journal of Sports Sciences</i> , 2016 , 34, 871-7	3.6	9
116	Critical evaluation of oxygen-uptake assessment in swimming. <i>International Journal of Sports Physiology and Performance</i> , 2014 , 9, 190-202	3.5	9
115	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
114	The backstroke swimming start: state of the art. <i>Journal of Human Kinetics</i> , 2014 , 42, 27-40	2.6	9
113	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
112	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

111	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
110	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
109	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
108	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
107	Wearable Inertial Sensor System Towards Daily Human Kinematic Gait Analysis: Benchmarking Analysis to MVN BIOMECH. <i>Sensors</i> , 2020 , 20,	3.8	8
106	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
105	Intracyclic Variation of Force and Swimming Performance. <i>International Journal of Sports Physiology and Performance</i> , 2018 , 13, 897-902	3.5	8
104	Influence of prior exercise on VO2 kinetics subsequent exhaustive rowing performance. <i>PLoS ONE</i> , 2014 , 9, e84208	3.7	8
103	Swimming Simulation: A New Tool for Swimming Research and Practical Applications. <i>Lecture Notes in Computational Science and Engineering</i> , 2009 , 33-61	0.3	8
102	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
101	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
100	Overall indexes of coordination in front crawl swimming. <i>Journal of Sports Sciences</i> , 2020 , 38, 910-917	3.6	7
99	Acute kinematics changes in marathon runners using different footwear. <i>Journal of Sports Sciences</i> , 2018 , 36, 766-770	3.6	7
98	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
97	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
96	Backstroke technical characterization of 11-13 year-old swimmers. <i>Journal of Sports Science and Medicine</i> , 2013 , 12, 623-9	2.7	7
95	Inter-Limb Coordinative Structure in a 200 m Front Crawl Event~ 2009-07-05~ 2009-11-01~ 2010-04-15~ . <i>The Open Sports Sciences Journal</i> , 2010 , 3, 25-27	0.5	7
94	Paddling time parameters and paddling efficiency with the increase in stroke rate in kayaking. <i>Sports Biomechanics</i> , 2020 , 1-9	2.2	7

93	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
92	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
91	Task Constraints and Coordination Flexibility in Young Swimmers. <i>Motor Control</i> , 2019 , 1-18	1.3	6
90	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
89	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
88	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
87	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
86	Physiological and Biomechanical Evaluation of a Training Macrocycle in Children Swimmers. <i>Sports</i> , 2019 , 7,	3	5
85	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
84	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
83	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
82	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
81	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
80	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
79	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
78	Intracycle velocity variation of the body centre of mass in front crawl. <i>International Journal of Sports Medicine</i> , 2012 , 33, 285-90	3.6	5
77	The effects of physical activity in the anticipatory postural adjustments in elderly people. <i>Motor Control</i> , 2010 , 14, 371-9	1.3	5
76	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

75	Kinematics, Speed, and Anthropometry-Based Ankle Joint Torque Estimation: A Deep Learning Regression Approach. <i>Machines</i> , 2021 , 9, 154	2.9	5
74	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
73	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
72	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
71	3D Device for Forces in Swimming Starts and Turns. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3559	2.6	4
70	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
69	Comparison of Swimming Economy in Three Breaststroke Techniques. <i>Medicine and Sport Science</i> , 1994 , 39, 48-54		4
68	Cintica 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
67	VO2 Off Transient Kinetics in Extreme Intensity Swimming. <i>Journal of Sports Science and Medicine</i> , 2011 , 10, 546-52	2.7	4
66	Kinematical Analysis along Maximal Lactate Steady State Swimming Intensity. <i>Journal of Sports Science and Medicine</i> , 2014 , 13, 610-5	2.7	4
65	13th FINA world championships: analysis of swimsuits used by elite male swimmers. <i>Journal of Human Sport and Exercise</i> , 2011 , 6, 87-93	1.5	4
64	Towards a detailed anthropometric body characterization using the Microsoft Kinect. <i>Technology and Health Care</i> , 2016 , 24, 251-65	1.1	4
63	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
62	A Bibliometric Analysis of Intraoperative Neuromonitoring in Spine Surgery. <i>World Neurosurgery</i> , 2021 , 154, 3-12	2.1	4
61	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
60	Relationship between skin temperature and soft tissue hardness in diabetic patients: an exploratory study. <i>Physiological Measurement</i> , 2019 , 40, 074007	2.9	3
59	Post-swim oxygen consumption: assessment methodologies and kinetics analysis. <i>Physiological Measurement</i> , 2020 , 41, 105005	2.9	3
58	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

57	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
56	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
55	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
54	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
53	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
52	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
51	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
50	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
49	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
48	Shoulder joint kinetics and dynamics during underwater forward arm elevation. <i>Journal of Biomechanics</i> , 2018 , 71, 144-150	2.9	2
47	Kinematic Changes during Prolonged Fast-Walking in Old and Young Adults. <i>Frontiers in Medicine</i> , 2017 , 4, 207	4.9	2
46	Integrated Dynamometric, Kinematic and Electromyographic Characterisation of a Swimming Track Start Block Phase [A Pilot Study]. <i>Central European Journal of Sport Sciences and Medicine</i> , 2016 , 15, 5-14	0.1	2
45	Muscle Activation during Exergame Playing. <i>Advances in Medical Technologies and Clinical Practice Book Series</i> , 2016 , 312-341	0.3	2
44	Estudo de diversos conceitos de eficiência da locomoção humana no meio aquático. <i>Revista Portuguesa De Ciências Do Desporto</i> , 2005 , 2005, 337-349	0	2
43	Design of a three-dimensional hand/forearm model to apply computational fluid dynamics. <i>Brazilian Archives of Biology and Technology</i> , 2010 , 53, 436-442	1.8	2
42	Upper body kinematic differences between maximum front crawl and backstroke swimming. <i>Journal of Biomechanics</i> , 2020 , 98, 109452	2.9	2
41	Psychological and Physiological Features Associated with Swimming Performance. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	2
40	Biomechanical analyses of synchronised swimming standard and contra-standard sculling. <i>Sports Biomechanics</i> , 2019 , 18, 354-365	2.2	2

39	Muscle Co-Activation around the Knee during Different Walking Speeds in Healthy Females. <i>Sensors</i> , 2021 , 21,	3.8	2
38	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
37	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
36	Does the cleat model interfere with ankle sprain risk factors in artificial grass?. <i>Clinical Biomechanics</i> , 2019 , 63, 119-126	2.2	1
35	Shoulder mechanical demands of slow underwater exercises in the scapular plane. <i>Clinical Biomechanics</i> , 2018 , 53, 117-123	2.2	1
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