

Matteo Cortesi

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

589
citations

623734

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39
all docs

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docs citations

39
times ranked

653
citing authors

#	ARTICLE	IF	CITATIONS
1	The energy cost of swimming and its determinants. <i>European Journal of Applied Physiology</i> , 2020, 120, 41-66.	2.5	71
2	Assessment of three-dimensional joint kinematics of the upper limb during simulated swimming using wearable inertial-magnetic measurement units. <i>Journal of Sports Sciences</i> , 2016, 34, 1073-1080.	2.0	54
3	Markerless analysis of front crawl swimming. <i>Journal of Biomechanics</i> , 2011, 44, 2236-2242.	2.1	51
4	Planimetric frontal area in the four swimming strokes: Implications for drag, energetics and speed. <i>Human Movement Science</i> , 2015, 39, 41-54.	1.4	42
5	A Comparison between Male and Female Athletes in Relative Strength and Power Performances. <i>Journal of Functional Morphology and Kinesiology</i> , 2021, 6, 17.	2.4	35
6	Motion analysis of front crawl swimming applying CAST technique by means of automatic tracking. <i>Journal of Sports Sciences</i> , 2013, 31, 276-287.	2.0	28
7	Power production of the lower limbs in flutter-kick swimming. <i>Sports Biomechanics</i> , 2012, 11, 480-491.	1.6	27
8	Estimation of the Anaerobic Threshold from Heart Rate Variability in an Incremental Swimming Test. <i>Journal of Strength and Conditioning Research</i> , 2012, 26, 3059-3066.	2.1	25
9	Passive Drag in Young Swimmers: Effects of Body Composition, Morphology and Gliding Position. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 2002.	2.6	24
10	Passive Drag Reduction Using Full-Body Swimsuits. <i>Journal of Strength and Conditioning Research</i> , 2014, 28, 3164-3171.	2.1	22
11	The Use of IMMUs in a Water Environment: Instrument Validation and Application of 3D Multi-Body Kinematic Analysis in Medicine and Sport. <i>Sensors</i> , 2017, 17, 927.	3.8	20
12	The determinants of performance in master swimmers: a cross-sectional study on the age-related changes in propelling efficiency, hydrodynamic position and energy cost of front crawl. <i>European Journal of Applied Physiology</i> , 2012, 112, 3949-3957.	2.5	19
13	Effectiveness of an automatic tracking software in underwater motion analysis. <i>Journal of Sports Science and Medicine</i> , 2013, 12, 660-7.	1.6	19
14	The Relationship between Power Generated by Thrust and Power to Overcome Drag in Elite Short Distance Swimmers. <i>PLoS ONE</i> , 2016, 11, e0162387.	2.5	18
15	Effect of Swim Cap Model on Passive Drag. <i>Journal of Strength and Conditioning Research</i> , 2013, 27, 2904-2908.	2.1	17
16	Mechanical power, thrust power and propelling efficiency: relationships with elite sprint swimming performance. <i>Journal of Sports Sciences</i> , 2018, 36, 506-512.	2.0	14
17	Recovery Time Profiling After Short-, Middle- and Long-Distance Swimming Performance. <i>Journal of Strength and Conditioning Research</i> , 2019, 33, 1408-1415.	2.1	14
18	Techniques and considerations for monitoring swimmers'™ passive drag. <i>Journal of Sports Sciences</i> , 2019, 37, 1168-1180.	2.0	12

#	ARTICLE	IF	CITATIONS
19	Effect of The Swimmer's Head Position on Passive Drag. <i>Journal of Human Kinetics</i> , 2015, 49, 37-45.	1.5	11
20	Effect of walking speed during gait in water of healthy elderly. <i>Gait and Posture</i> , 2020, 82, 6-13.	1.4	8
21	Effects of distance specialization on the backstroke swimming kinematics. <i>Journal of Sports Science and Medicine</i> , 2012, 11, 526-32.	1.6	8
22	Physiological and Sport-Specific Comparison Between Division I and Division II Italian Male Field Hockey Players. <i>Journal of Strength and Conditioning Research</i> , 2019, 33, 3123-3128.	2.1	6
23	Inertial Sensors in Swimming: Detection of Stroke Phases through 3D Wrist Trajectory. <i>Journal of Sports Science and Medicine</i> , 2019, 18, 438-447.	1.6	6
24	A Comparison Between The Recovery Responses Following an Eccentrically Loaded Bench Press Protocol Vs. Regular Loading in Highly Trained Men. <i>Journal of Human Kinetics</i> , 2019, 68, 59-67.	1.5	5
25	Integrated Timing of Stroking, Breathing, and Kicking in Front-Crawl Swimming: A Novel Stroke-by-Stroke Approach Using Wearable Inertial Sensors. <i>Sensors</i> , 2022, 22, 1419.	3.8	5
26	Arm-Stroke Descriptor Variability during 200-m Front Crawl Swimming. <i>Sensors</i> , 2021, 21, 324.	3.8	4
27	Relationships between Muscle Architecture and Performance in Division I Male Italian Field Hockey Players. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4394.	2.5	3
28	Kinematic Analysis of the Racket Position during the Table Tennis Top Spin Forehand Stroke. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5178.	2.5	3
29	Aquatic Therapy after Anterior Cruciate Ligament Surgery: A Case Study on Underwater Gait Analysis using Inertial and Magnetic Sensors. <i>International Journal of Physical Therapy & Rehabilitation</i> , 2016, 2, .	0.2	3
30	A Comparison between Non-Localized Post-Activation Performance Enhancements Following Resistance Exercise for the Upper and the Lower Body. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1639.	2.5	3
31	The Assessment of Path Linearity in Swimming: A Pilot Study. <i>International Journal of Sports Medicine</i> , 2008, 29, 959-964.	1.7	2
32	Effect of Swim Cap Surface Roughness on Passive Drag. <i>Journal of Strength and Conditioning Research</i> , 2015, 29, 3253-3259.	2.1	2
33	Laboratory-based ergometry for swimmers: a systematic review. <i>Journal of Sports Medicine and Physical Fitness</i> , 2019, 59, 1503-1512.	0.7	2
34	Effects of Intracyclic Velocity Variations on the Drag Exerted by Different Swimming Parachutes. <i>Journal of Strength and Conditioning Research</i> , 2019, 33, 531-537.	2.1	2
35	Acute Effects of a High Volume vs. High Intensity Bench Press Protocol on Electromechanical Delay and Muscle Morphology in Recreationally Trained Women. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 4874.	2.6	2
36	Path Linearity of Elite Swimmers in a 400 m Front Crawl Competition. <i>Journal of Sports Science and Medicine</i> , 2015, 14, 69-74.	1.6	1

#	ARTICLE	IF	CITATIONS
37	Shot Put: Which Role for Kinematic Analysis?. Applied Sciences (Switzerland), 2022, 12, 1699.	2.5	1
38	A Comparison between Elite Swimmers and Kayakers on Upper Body Push and Pull Strength and Power Performance. International Journal of Environmental Research and Public Health, 2020, 17, 8301.	2.6	0