

Stephan van der Zwaard

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

333
citations

1039406

9
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940134

16
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18
all docs

18
docs citations

18
times ranked

421
citing authors

#	ARTICLE	IF	CITATIONS
1	Maximal oxygen uptake is proportional to muscle fiber oxidative capacity, from chronic heart failure patients to professional cyclists. <i>Journal of Applied Physiology</i> , 2016, 121, 636-645.	1.2	59
2	Oxygenation Threshold Derived from Near-Infrared Spectroscopy: Reliability and Its Relationship with the First Ventilatory Threshold. <i>PLoS ONE</i> , 2016, 11, e0162914.	1.1	48
3	Critical determinants of combined sprint and endurance performance: an integrative analysis from muscle fiber to the human body. <i>FASEB Journal</i> , 2018, 32, 2110-2123.	0.2	45
4	Muscle morphology of the vastus lateralis is strongly related to ergometer performance, sprint capacity and endurance capacity in Olympic rowers. <i>Journal of Sports Sciences</i> , 2018, 36, 2111-2120.	1.0	30
5	Under the Hood: Skeletal Muscle Determinants of Endurance Performance. <i>Frontiers in Sports and Active Living</i> , 2021, 3, 719434.	0.9	28
6	Personalized machine learning approach to injury monitoring in elite volleyball players. <i>European Journal of Sport Science</i> , 2022, 22, 511-520.	1.4	27
7	Adaptations in muscle oxidative capacity, fiber size, and oxygen supply capacity after repeated-sprint training in hypoxia combined with chronic hypoxic exposure. <i>Journal of Applied Physiology</i> , 2018, 124, 1403-1412.	1.2	25
8	3D Ultrasound Imaging: Fast and Cost-effective Morphometry of Musculoskeletal Tissue. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	19
9	Anthropometric Clusters of Competitive Cyclists and Their Sprint and Endurance Performance. <i>Frontiers in Physiology</i> , 2019, 10, 1276.	1.3	19
10	Articles with impact: insights into 10 years of research with machine learning. <i>Journal of Applied Physiology</i> , 2020, 129, 967-979.	1.2	8
11	Time Series Regression in Professional Road Cycling. <i>Lecture Notes in Computer Science</i> , 2020, , 689-703.	1.0	8
12	Training-Induced Muscle Adaptations During Competitive Preparation in Elite Female Rowers. <i>Frontiers in Sports and Active Living</i> , 2021, 3, 781942.	0.9	6
13	Effect of vasti morphology on peak sprint cycling power of a human musculoskeletal simulation model. <i>Journal of Applied Physiology</i> , 2020, 128, 445-455.	1.2	5
14	Commentaries on Viewpoint: $\dot{V}_{I\ddot{t}} \times \text{peak}$ is an acceptable estimate of cardiorespiratory fitness but not $\dot{V}_{I\ddot{t}} \times \text{max}$. <i>Journal of Applied Physiology</i> , 2018, 125, 966-967.	1.2	3
15	Graded Exercise Testing Versus Simulated Competition Exercise in Trained Older Males. <i>Journal of Cardiopulmonary Rehabilitation and Prevention</i> , 2015, 35, 423-430.	1.2	2
16	Muscle Volume Is A Critical Determinant Of Rowing Performance In Olympic Rowers. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 768-769.	0.2	1
17	Pacing Described In a Population Of Active, Older Non-athletes. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 900-901.	0.2	0
18	Reply to Gifford et al.: Symmorphosis in chronic heart failure patients?. <i>Journal of Applied Physiology</i> , 2016, 121, 1040-1040.	1.2	0