

# Olivier Meste

## List of Publications by Citations

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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.

31  
papers

466  
citations

11  
h-index

21  
g-index

45  
ext. papers

592  
ext. citations

5.1  
avg, IF

3.47  
L-index

#	Paper	IF	Citations
31	Exercise performance is regulated during repeated sprints to limit the development of peripheral fatigue beyond a critical threshold. <i>Experimental Physiology</i> , <b>2014</b> , 99, 951-63	2.4	54
30	Melanin-concentrating hormone regulates beat frequency of ependymal cilia and ventricular volume. <i>Nature Neuroscience</i> , <b>2013</b> , 16, 845-7	25.5	54
29	SINGULAR SPECTRUM DECOMPOSITION: A NEW METHOD FOR TIME SERIES DECOMPOSITION. <i>Advances in Adaptive Data Analysis</i> , <b>2014</b> , 06, 1450011		53
28	Time-frequency analysis of heart rate variability reveals cardiocomotor coupling during dynamic cycling exercise in humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2009</b> , 296, H1651-9	5.2	43
27	Spatial variability of the 12-lead surface ECG as a tool for noninvasive prediction of catheter ablation outcome in persistent atrial fibrillation. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2013</b> , 60, 20-7	5	34
26	Determination of the optimal parameters maximizing muscle activity of the lower limbs during vertical synchronous whole-body vibration. <i>European Journal of Applied Physiology</i> , <b>2014</b> , 114, 1493-501	3.4	31
25	Time Delay Estimation: A New Insight Into the Woody Method. <i>IEEE Signal Processing Letters</i> , <b>2008</b> , 15, 573-576	3.2	30
24	Relationship Between Lower Limb Muscle Activity and Platform Acceleration During Whole-Body Vibration Exercise. <i>Journal of Strength and Conditioning Research</i> , <b>2015</b> , 29, 2844-53	3.2	22
23	Noninvasive assessment of the complexity and stationarity of the atrial wavefront patterns during atrial fibrillation. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2010</b> , 57, 2147-57	5	22
22	Reduction in Kv Current Enhances the Temporal Dispersion of the Action Potential in Diabetic Myocytes: Insights From a Novel Repolarization Algorithm. <i>Journal of the American Heart Association</i> , <b>2016</b> , 5,	6	17
21	Increased Fatigue Response to Augmented Deceptive Feedback during Cycling Time Trial. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 1541-1551	1.2	12
20	Catheter ablation outcome prediction in persistent atrial fibrillation using weighted principal component analysis. <i>Biomedical Signal Processing and Control</i> , <b>2013</b> , 8, 958-968	4.9	11
19	Body surface ECG signal shape dispersion. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2006</b> , 53, 2491-500	5.0	11
18	Non-invasive prediction of catheter ablation outcome in persistent atrial fibrillation by fibrillatory wave amplitude computation in multiple electrocardiogram leads. <i>Archives of Cardiovascular Diseases</i> , <b>2016</b> , 109, 679-688	2.7	9
17	sEMG during Whole-Body Vibration Contains Motion Artifacts and Reflex Activity. <i>Journal of Sports Science and Medicine</i> , <b>2015</b> , 14, 54-61	2.7	9
16	Comparison of sEMG processing methods during whole-body vibration exercise. <i>Journal of Electromyography and Kinesiology</i> , <b>2015</b> , 25, 833-40	2.5	8
15	Estimation and modeling of QT-interval adaptation to heart rate changes. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2012</b> , 59, 956-65	5	8

14	Quantifying the PR interval pattern during dynamic exercise and recovery. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2009</b> , 56, 2675-83	5	8
13	The relationship between R-wave magnitude and ventricular volume during continuous left ventricular assist device assistance: experimental study. <i>Artificial Organs</i> , <b>2015</b> , 39, 446-50	2.6	5
12	Rhythm dynamics of the aging heart: an experimental study using conscious, restrained mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2020</b> , 319, H893-H905	5.2	4
11	Similar Cardioventilatory but Greater Neuromuscular Stimuli With Interval Drop Jump Than With Interval Running. <i>International Journal of Sports Physiology and Performance</i> , <b>2019</b> , 1-10	3.5	4
10	A novel framework for noninvasive analysis of short-term atrial activity dynamics during persistent atrial fibrillation. <i>Medical and Biological Engineering and Computing</i> , <b>2020</b> , 58, 1933-1945	3.1	3
9	Spectral and spatiotemporal variability ECG parameters linked to catheter ablation outcome in persistent atrial fibrillation. <i>Computers in Biology and Medicine</i> , <b>2017</b> , 88, 126-131	7	3
8	Recovery from Fatigue after Cycling Time Trials in Elite Endurance Athletes. <i>Medicine and Science in Sports and Exercise</i> , <b>2021</b> , 53, 904-917	1.2	3
7	Eigenvalue-based time delay estimation of repetitive biomedical signals <b>2018</b> , 75, 107-119		2
6	Novel Methods for High-resolution Assessment of Cardiac Action Potential Repolarization. <i>Biomedical Signal Processing and Control</i> , <b>2019</b> , 51, 30-41	4.9	2
5	<b>2015</b> ,		1
4	Non-invasive characterisation of macroreentrant atrial tachycardia types from a vectorcardiographic approach with the slow conduction region as a cornerstone. <i>Computer Methods and Programs in Biomedicine</i> , <b>2021</b> , 200, 105932	6.9	1
3	Noninvasive Cardiac Signal Analysis Using Data Decomposition Techniques <b>2013</b> , 83-116		0
2	Noninvasive prediction of catheter ablation acute outcome in persistent atrial fibrillation based on logistic regression of ECG fibrillatory wave amplitude and spatio-temporal variability. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2013</b> , 2013, 5821-4	0.9	
1	Variability in the atrial flutter vectorcardiographic loops and non-invasive localization of circuits. <i>Biomedical Signal Processing and Control</i> , <b>2021</b> , 66, 102472	4.9	