Olivier Meste

List of Publications by Year in Descending Order

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	Recovery from Fatigue after Cycling Time Trials in Elite Endurance Athletes. *Medicine and Science in Sports and Exercise*, **2021**, 53, 904-917	1.2	3
30	Non-invasive characterisation of macroreentrant atrial tachycardia types from a vectorcardiographic approach with the slow conduction region as a cornerstone. *Computer Methods and Programs in Biomedicine*, **2021**, 200, 105932	6.9	1
29	Variability in the atrial flutter vectorcardiographic loops and non-invasive localization of circuits. *Biomedical Signal Processing and Control*, **2021**, 66, 102472	4.9	
28	A novel framework for noninvasive analysis of short-term atrial activity dynamics during persistent atrial fibrillation. *Medical and Biological Engineering and Computing*, **2020**, 58, 1933-1945	3.1	3
27	Rhythm dynamics of the aging heart: an experimental study using conscious, restrained mice. *American Journal of Physiology - Heart and Circulatory Physiology*, **2020**, 319, H893-H905	5.2	4
26	Novel Methods for High-resolution Assessment of Cardiac Action Potential Repolarization. *Biomedical Signal Processing and Control*, **2019**, 51, 30-41	4.9	2
25	Similar Cardioventilatory but Greater Neuromuscular Stimuli With Interval Drop Jump Than With Interval Running. *International Journal of Sports Physiology and Performance*, **2019**, 1-10	3.5	4
24	Eigenvalue-based time delay estimation of repetitive biomedical signals **2018**, 75, 107-119		2
23	Increased Fatigue Response to Augmented Deceptive Feedback during Cycling Time Trial. *Medicine and Science in Sports and Exercise*, **2017**, 49, 1541-1551	1.2	12
22	Spectral and spatiotemporal variability ECG parameters linked to catheter ablation outcome in persistent atrial fibrillation. *Computers in Biology and Medicine*, **2017**, 88, 126-131	7	3
21	Non-invasive prediction of catheter ablation outcome in persistent atrial fibrillation by fibrillatory wave amplitude computation in multiple electrocardiogram leads. *Archives of Cardiovascular Diseases*, **2016**, 109, 679-688	2.7	9
20	Reduction in Kv Current Enhances the Temporal Dispersion of the Action Potential in Diabetic Myocytes: Insights From a Novel Repolarization Algorithm. *Journal of the American Heart Association*, **2016**, 5,	6	17
19	Comparison of sEMG processing methods during whole-body vibration exercise. *Journal of Electromyography and Kinesiology*, **2015**, 25, 833-40	2.5	8
18	The relationship between R-wave magnitude and ventricular volume during continuous left ventricular assist device assistance: experimental study. *Artificial Organs*, **2015**, 39, 446-50	2.6	5
17	**2015**,		1
16	Relationship Between Lower Limb Muscle Activity and Platform Acceleration During Whole-Body Vibration Exercise. *Journal of Strength and Conditioning Research*, **2015**, 29, 2844-53	3.2	22
15	sEMG during Whole-Body Vibration Contains Motion Artifacts and Reflex Activity. *Journal of Sports Science and Medicine*, **2015**, 14, 54-61	2.7	9

14	Exercise performance is regulated during repeated sprints to limit the development of peripheral fatigue beyond a critical threshold. *Experimental Physiology*, **2014**, 99, 951-63	2.4	54
13	Determination of the optimal parameters maximizing muscle activity of the lower limbs during vertical synchronous whole-body vibration. *European Journal of Applied Physiology*, **2014**, 114, 1493-501	3.4	31
12	SINGULAR SPECTRUM DECOMPOSITION: A NEW METHOD FOR TIME SERIES DECOMPOSITION. *Advances in Adaptive Data Analysis*, **2014**, 06, 1450011		53
11	Melanin-concentrating hormone regulates beat frequency of ependymal cilia and ventricular volume. *Nature Neuroscience*, **2013**, 16, 845-7	25.5	54
10	Catheter ablation outcome prediction in persistent atrial fibrillation using weighted principal component analysis. *Biomedical Signal Processing and Control*, **2013**, 8, 958-968	4.9	11
9	Spatial variability of the 12-lead surface ECG as a tool for noninvasive prediction of catheter ablation outcome in persistent atrial fibrillation. *IEEE Transactions on Biomedical Engineering*, **2013**, 60, 20-7	5	34
8	Noninvasive prediction of catheter ablation acute outcome in persistent atrial fibrillation based on logistic regression of ECG fibrillatory wave amplitude and spatio-temporal variability. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2013**, 2013, 5821-4	0.9	
7	Noninvasive Cardiac Signal Analysis Using Data Decomposition Techniques **2013**, 83-116		0
6	Estimation and modeling of QT-interval adaptation to heart rate changes. *IEEE Transactions on Biomedical Engineering*, **2012**, 59, 956-65	5	8
5	Noninvasive assessment of the complexity and stationarity of the atrial wavefront patterns during atrial fibrillation. *IEEE Transactions on Biomedical Engineering*, **2010**, 57, 2147-57	5	22
4	Time-frequency analysis of heart rate variability reveals cardiolocomotor coupling during dynamic cycling exercise in humans. *American Journal of Physiology - Heart and Circulatory Physiology*, **2009**, 296, H1651-9	5.2	43
3	Quantifying the PR interval pattern during dynamic exercise and recovery. *IEEE Transactions on Biomedical Engineering*, **2009**, 56, 2675-83	5	8
2	Time Delay Estimation: A New Insight Into the Woody's Method. *IEEE Signal Processing Letters*, **2008**, 15, 573-576	3.2	30
1	Body surface ECG signal shape dispersion. *IEEE Transactions on Biomedical Engineering*, **2006**, 53, 2491-500	10	11