

# Mathieu Falbriard

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5423820/publications.pdf>

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13  
papers

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1307543

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1199563

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docs citations

13  
times ranked

229  
citing authors

#	ARTICLE	IF	CITATIONS
1	A functional approach towards the design, development, and test of an affordable dynamic prosthetic foot. PLoS ONE, 2022, 17, e0266656.	2.5	1
2	Running Speed Estimation Using Shoe-Worn Inertial Sensors: Direct Integration, Linear, and Personalized Model. Frontiers in Sports and Active Living, 2021, 3, 585809.	1.8	8
3	Continuous Analysis of Marathon Running Using Inertial Sensors: Hitting Two Walls?. International Journal of Sports Medicine, 2021, 42, 1182-1190.	1.7	11
4	Level, Uphill, and Downhill Running Economy Values Are Correlated Except on Steep Slopes. Frontiers in Physiology, 2021, 12, 697315.	2.8	16
5	Indirect Estimation of Breathing Rate from Heart Rate Monitoring System during Running. Sensors, 2021, 21, 5651.	3.8	16
6	Changes in spatio-temporal gait parameters and vertical speed during an extreme mountain ultra-marathon. European Journal of Sport Science, 2020, 20, 1339-1345.	2.7	7
7	Reply to Comments: Hurdle Clearance Detection and Spatiotemporal Analysis in 400 Meters Hurdles Races Using Shoe-Mounted Magnetic and Inertial Sensor. Sensors, 2020, 20, 2993.	3.8	0
8	Drift-Free Foot Orientation Estimation in Running Using Wearable IMU. Frontiers in Bioengineering and Biotechnology, 2020, 8, 65.	4.1	25
9	Hurdle Clearance Detection and Spatiotemporal Analysis in 400 Meters Hurdles Races Using Shoe-Mounted Magnetic and Inertial Sensors. Sensors, 2020, 20, 354.	3.8	5
10	Postural Control Follows a Bi-Phasic Alteration Pattern During Mountain Ultra-Marathon. Frontiers in Physiology, 2019, 9, 1971.	2.8	6
11	How accurate is visual determination of foot strike pattern and pronation assessment. Gait and Posture, 2018, 60, 200-202.	1.4	11
12	Influence of footwear comfort on the variability of running kinematics. Footwear Science, 2018, 10, 29-38.	2.1	20
13	Accurate Estimation of Running Temporal Parameters Using Foot-Worn Inertial Sensors. Frontiers in Physiology, 2018, 9, 610.	2.8	72