

# Billy Sperlich

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9425040/publications.pdf>

Version: 2024-02-01

18  
papers

587  
citations

687363

13  
h-index

888059

17  
g-index

21  
all docs

21  
docs citations

21  
times ranked

746  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of Non-Invasive Individual Monitoring of the Training and Health of Athletes with Commercially Available Wearable Technologies. <i>Frontiers in Physiology</i> , 2016, 7, 71.	2.8	110
2	Recommendations for Assessment of the Reliability, Sensitivity, and Validity of Data Provided by Wearable Sensors Designed for Monitoring Physical Activity. <i>JMIR MHealth and UHealth</i> , 2018, 6, e102.	3.7	92
3	Wearable, yes, but able to? it is time for evidence-based marketing claims!. <i>British Journal of Sports Medicine</i> , 2017, 51, 1240-1240.	6.7	58
4	Wrist-Worn Wearables for Monitoring Heart Rate and Energy Expenditure While Sitting or Performing Light-to-Vigorous Physical Activity: Validation Study. <i>JMIR MHealth and UHealth</i> , 2020, 8, e16716.	3.7	58
5	Integrated Framework of Load Monitoring by a Combination of Smartphone Applications, Wearables and Point-of-Care Testing Provides Feedback that Allows Individual Responsive Adjustments to Activities of Daily Living. <i>Sensors</i> , 2018, 18, 1632.	3.8	55
6	Instant Biofeedback Provided by Wearable Sensor Technology Can Help to Optimize Exercise and Prevent Injury and Overuse. <i>Frontiers in Physiology</i> , 2017, 8, 167.	2.8	28
7	Behavior Change Techniques in Wrist-Worn Wearables to Promote Physical Activity: Content Analysis. <i>JMIR MHealth and UHealth</i> , 2020, 8, e20820.	3.7	28
8	The SpeedCourt: Reliability, Usefulness, and Validity of a New Method to Determine Change-of-Direction Speed. <i>International Journal of Sports Physiology and Performance</i> , 2016, 11, 130-134.	2.3	27
9	Necessary Steps to Accelerate the Integration of Wearable Sensors Into Recreation and Competitive Sports. <i>Current Sports Medicine Reports</i> , 2018, 17, 178-182.	1.2	27
10	Mesocycles with Different Training Intensity Distribution in Recreational Runners. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 1641-1648.	0.4	26
11	Editorial: Wearable Sensor Technology for Monitoring Training Load and Health in the Athletic Population. <i>Frontiers in Physiology</i> , 2019, 10, 1520.	2.8	17
12	Predefined vs data-guided training prescription based on autonomic nervous system variation: A systematic review. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 2291-2304.	2.9	17
13	Virtual Training of Endurance Cycling – A Summary of Strengths, Weaknesses, Opportunities and Threats. <i>Frontiers in Sports and Active Living</i> , 2021, 3, 631101.	1.8	17
14	Monitoring and adapting endurance training on the basis of heart rate variability monitored by wearable technologies: A systematic review with meta-analysis. <i>Journal of Science and Medicine in Sport</i> , 2021, 24, 1180-1192.	1.3	17
15	Assessment of Peak Oxygen Uptake with a Smartwatch and its Usefulness for Training of Runners. <i>International Journal of Sports Medicine</i> , 2022, 43, 642-647.	1.7	7
16	Moving Together While Staying Apart: Practical Recommendations for 24-Hour Home-Based Movement Behaviours for Those With Cardiovascular Disease. <i>CJC Open</i> , 2021, 3, 1495-1504.	1.5	2
17	Proof-of-concept and concurrent validity of a prototype headset to assess peak oxygen uptake without a face mask. <i>BMC Research Notes</i> , 2022, 15, 4.	1.4	1
18	Type and intensity distribution of structured and incidental lifestyle physical activity of students and office workers: a retrospective content analysis. <i>BMC Public Health</i> , 2022, 22, 634.	2.9	0