

# Brendan O'Flynn

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5039562/publications.pdf>

Version: 2024-02-01

41  
papers

938  
citations

623188

14  
h-index

476904

29  
g-index

42  
all docs

42  
docs citations

42  
times ranked

1176  
citing authors

#	ARTICLE	IF	CITATIONS
1	Knowledge-driven feature engineering to detect multiple symptoms using ambulatory blood pressure monitoring data. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 217, 106638.	2.6	6
2	Flexible and Transparent Circularly Polarized Patch Antenna for Reliable Unobtrusive Wearable Wireless Communications. <i>Sensors</i> , 2022, 22, 1276.	2.1	23
3	Unsupervised IMU-based evaluation of at-home exercise programmes: a feasibility study. <i>BMC Sports Science, Medicine and Rehabilitation</i> , 2022, 14, 28.	0.7	14
4	A Comprehensive Survey on RF Energy Harvesting: Applications and Performance Determinants. <i>Sensors</i> , 2022, 22, 2990.	2.1	25
5	A Novel RCS based CRFID Tag Design. , 2022, , .		7
6	Smart Compression Therapy Devices for Treatment of Venous Leg Ulcers: A Review. <i>Advanced Healthcare Materials</i> , 2022, 11, .	3.9	4
7	An 868 MHz Bandage Type Antenna using Aluminum conductor and PDMS substrate. , 2022, , .		0
8	Wearable Textile-Based Device for Human Lower-Limbs Kinematics and Muscle Activity Sensing. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2021, , 70-81.	0.2	3
9	Continuous home monitoring of Parkinson's disease using inertial sensors: A systematic review. <i>PLoS ONE</i> , 2021, 16, e0246528.	1.1	50
10	A Wearable System for the Estimation of Performance-Related Metrics during Running and Jumping Tasks. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5258.	1.3	8
11	Development of a Low-Power Underwater NFC-Enabled Sensor Device for Seaweed Monitoring. <i>Sensors</i> , 2021, 21, 4649.	2.1	12
12	A Smart Archive Box for Museum Artifact Monitoring Using Battery-Less Temperature and Humidity Sensing. <i>Sensors</i> , 2021, 21, 4903.	2.1	21
13	A Bandwidth-Enhanced Sub-GHz Wristwatch Antenna Using an Optimized Feed Structure. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021, 20, 1389-1393.	2.4	3
14	A Museum Artefact Monitoring Testbed using LoRaWAN. , 2021, , .		4
15	Screen Printed Epidermal Antenna for IoT Health Monitoring. , 2021, , .		3
16	Investigation of the analysis of wearable data for cancer-specific mortality prediction in older adults. , 2021, 2021, 1848-1851.		3
17	Comparison of Machine Learning Techniques for Mortality Prediction in a Prospective Cohort of Older Adults. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 12806.	1.2	7
18	Effects of segment masses and cut-off frequencies on the estimation of vertical ground reaction forces in running. <i>Journal of Biomechanics</i> , 2020, 99, 109552.	0.9	4

#	ARTICLE	IF	CITATIONS
19	Motion Capture Technology in Industrial Applications: A Systematic Review. <i>Sensors</i> , 2020, 20, 5687.	2.1	124
20	Comparing Person-Specific and Independent Models on Subject-Dependent and Independent Human Activity Recognition Performance. <i>Sensors</i> , 2020, 20, 3647.	2.1	4
21	A Wristwatch-Based Wireless Sensor Platform for IoT Health Monitoring Applications. <i>Sensors</i> , 2020, 20, 1675.	2.1	40
22	Motion Sensors-Based Machine Learning Approach for the Identification of Anterior Cruciate Ligament Gait Patterns in On-the-Field Activities in Rugby Players. <i>Sensors</i> , 2020, 20, 3029.	2.1	19
23	Using Domain Knowledge for Interpretable and Competitive Multi-Class Human Activity Recognition. <i>Sensors</i> , 2020, 20, 1208.	2.1	6
24	Predicting Three-Dimensional Ground Reaction Forces in Running by Using Artificial Neural Networks and Lower Body Kinematics. <i>IEEE Access</i> , 2019, 7, 156779-156786.	2.6	39
25	Subject-dependent and -independent human activity recognition with person-specific and -independent models. , 2019, , .		1
26	Validity Evaluation of the Fitbit Charge2 and the Garmin vivosmart HR+ in Free-Living Environments in an Older Adult Cohort. <i>JMIR MHealth and UHealth</i> , 2019, 7, e13084.	1.8	93
27	Hand Tracking and Gesture Recognition Using Lensless Smart Sensors. <i>Sensors</i> , 2018, 18, 2834.	2.1	21
28	A Review of Wearable Solutions for Physiological and Emotional Monitoring for Use by People with Autism Spectrum Disorder and Their Caregivers. <i>Sensors</i> , 2018, 18, 4271.	2.1	76
29	A Comprehensive Comparison of Commercial Wrist- Worn Trackers in a Young Cohort in a Lab-Environment. , 2018, , .		4
30	Potential of Sub-GHz Wireless for Future IoT Wearables and Design of Compact 915 MHz Antenna. <i>Sensors</i> , 2018, 18, 22.	2.1	24
31	A machine learning approach for gesture recognition with a lensless smart sensor system. , 2018, , .		10
32	A fuzzy logic approach for improving the tracking accuracy in indoor localisation applications. , 2018, , .		5
33	Indirect Measurement of Ground Reaction Forces and Moments by Means of Wearable Inertial Sensors: A Systematic Review. <i>Sensors</i> , 2018, 18, 2564.	2.1	140
34	Design of a compact, fully autonomous 433 MHz tunable antenna for wearable wireless sensor applications. <i>IET Microwaves, Antennas and Propagation</i> , 2017, 11, 548-556.	0.7	5
35	Sensor and feature selection for an emergency first responders activity recognition system. , 2017, , .		7
36	A Review of Activity Trackers for Senior Citizens: Research Perspectives, Commercial Landscape and the Role of the Insurance Industry. <i>Sensors</i> , 2017, 17, 1277.	2.1	99

#	ARTICLE	IF	CITATIONS
37	IMPROVED NLOS ERROR MITIGATION BASED ON LTS ALGORITHM. Progress in Electromagnetics Research Letters, 2016, 58, 133-139.	0.4	5
38	Experimental Validation of the Tyndall Portable Lower-limb Analysis System with Wearable Inertial Sensors. Procedia Engineering, 2016, 147, 208-213.	1.2	13
39	A novel first responders location tracking system: Architecture and functional requirements. , 2015, , .		5
40	Marine Inertial Measurement Units: Communication, Capabilities, and Challenges. Marine Technology Society Journal, 2015, 49, 56-63.	0.3	1
41	On localization with robust power control for safety critical wireless sensor networks. Journal of Control Theory and Applications, 2011, 9, 83-92.	0.8	0