Aiden Doherty

List of Publications by Year
in descending order

59 papers	**4,317** citations
159585 **30** h-index	155660 **55** g-index
68 all docs	**68** docs citations
68 times ranked	**5913** citing authors

#	Article	IF	Citations
1	Reallocation of time between device-measured movement behaviours and risk of incident cardiovascular disease. British Journal of Sports Medicine, 2022, 56, 1008-1017.	6.7	44
2	Effect of moderate to high intensity aerobic exercise on blood pressure in young adults: The TEPHRA open, two-arm, parallel superiority randomized clinical trial. EClinicalMedicine, 2022, 48, 101445.	7.1	11
3	An overview on synthetic administrative data for research. International Journal of Population Data Science, 2022, 7, .	0.1	3
4	A cross-sectional study exploring levels of physical activity and motivators and barriers towards physical activity in haemodialysis patients to inform intervention development. Disability and Rehabilitation, 2021, 43, 1675-1681.	1.8	6
5	Accelerometer-measured physical activity and functional behaviours among people on dialysis. CKJ: Clinical Kidney Journal, 2021, 14, 950-958.	2.9	8
6	Impact of Reduced Sampling Rate on Accelerometer-Based Physical Activity Monitoring and Machine Learning Activity Classification. Journal for the Measurement of Physical Behaviour, 2021, 4, 298-310.	0.8	13
7	Association of genetic liability for psychiatric disorders with accelerometer-assessed physical activity in the UK Biobank. PLoS ONE, 2021, 16, e0249189.	2.5	16
8	Validation of Wearable Camera Still Images to Assess Posture in Free-Living Conditions. Journal for the Measurement of Physical Behaviour, 2021, 4, 47-52.	0.8	2
9	Physical activity in relation to circulating hormone concentrations in 117,100 men in UK Biobank. Cancer Causes and Control, 2021, 32, 1197-1212.	1.8	4
10	Accelerometer measured physical activity and the incidence of cardiovascular disease: Evidence from the UK Biobank cohort study. PLoS Medicine, 2021, 18, e1003487.	8.4	74
11	Testing Self-Report Time-Use Diaries against Objective Instruments in Real Time. Sociological Methodology, 2020, 50, 318-349.	2.4	31
12	Advancing the Use of Mobile Technologies in Clinical Trials: Recommendations from the Clinical Trials Transformation Initiative. Digital Biomarkers, 2020, 3, 145-154.	4.4	47
13	Sedentary Behavior in Children by Wearable Cameras: Development of an Annotation Protocol. American Journal of Preventive Medicine, 2020, 59, 880-886.	3.0	5
14	The effects of an aerobic training intervention on cognition, grey matter volumes and white matter microstructure. Physiology and Behavior, 2020, 223, 112923.	2.1	18
15	Self-reported and objectively measured physical activity in people with and without chronic heart failure: UK Biobank analysis. Open Heart, 2020, 7, e001099.	2.3	26
16	Sedentary Behavior and Chronic Disease: Mechanisms and Future Directions. Journal of Physical Activity and Health, 2020, 17, 52-61.	2.0	67
17	Response to: One size does not fit all—application of accelerometer thresholds in chronic disease. International Journal of Epidemiology, 2019, 48, 1381-1381.	1.9	5
18	Physical activity of UK adults with chronic disease: cross-sectional analysis of accelerometer-measured physical activity in 96 706 UK Biobank participants. International Journal of Epidemiology, 2019, 48, 1167-1174.	1.9	53

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19	A validation study of the Eurostat harmonised European time use study (HETUS) diary using wearable technology. BMC Public Health, 2019, 19, 455.	2.9	25
20	A Pilot Randomized Controlled Trial of a Digital Intervention Aimed at Improving Food Purchasing Behavior: The Front-of-Pack Food Labels Impact on Consumer Choice Study. JMIR Formative Research, 2019, 3, e9910.	1.4	7
21	GWAS identifies 14 loci for device-measured physical activity and sleep duration. Nature Communications, 2018, 9, 5257.	12.8	241
22	Statistical machine learning of sleep and physical activity phenotypes from sensor data in 96,220 UK Biobank participants. Scientific Reports, 2018, 8, 7961.	3.3	141
23	Circadian rhythms and mental health: wearable sensing at scale. Lancet Psychiatry,the, 2018, 5, 457-458.	7.4	6
24	Wearable camera-derived microenvironments in relation to personal exposure to PM2.5. Environment International, 2018, 117, 300-307.	10.0	15
25	Genome-Wide Association Study of Circadian Rhythmicity in 71,500 UK Biobank Participants and Polygenic Association with Mood Instability. EBioMedicine, 2018, 35, 279-287.	6.1	53
26	Association of Cardiovascular Risk Factors With MRI Indices of Cerebrovascular Structure and Function and White Matter Hyperintensities in Young Adults. JAMA - Journal of the American Medical Association, 2018, 320, 665.	7.4	105
27	Large Scale Population Assessment of Physical Activity Using Wrist Worn Accelerometers: The UK Biobank Study. PLoS ONE, 2017, 12, e0169649.	2.5	654
28	Accuracy Of Behavioral Assessment With A Wearable Camera in Semi-structured And Free Living Conditions In Older Adults. Medicine and Science in Sports and Exercise, 2017, 49, 651.	0.4	3
29	Exploring the opportunities for food and drink purchasing and consumption by teenagers during their journeys between home and school: a feasibility study using a novel method. Public Health Nutrition, 2016, 19, 93-103.	2.2	35
30	Evaluating Digital Health Interventions. American Journal of Preventive Medicine, 2016, 51, 843-851.	3.0	553
31	Is the Current Focus of the Global Physical Activity Recommendations for Youth Appropriate in All Settings?. Journal of Physical Activity and Health, 2015, 12, 901-903.	2.0	5
32	Wearable cameras can reduce dietary under-reporting: doubly labelled water validation of a camera-assisted 24Âh recall. British Journal of Nutrition, 2015, 113, 284-291.	2.3	85
33	Protocol for a pilot randomised controlled trial of an intervention to increase the use of traffic light food labelling in UK shoppers (the FLICC trial). Pilot and Feasibility Studies, 2015, 1, 21.	1.2	7
34	The use of a wearable camera to capture and categorise the environmental and social context of self-identified eating episodes. Appetite, 2015, 92, 118-125.	3.7	54
35	Developing a Method to Test the Validity of 24 Hour Time Use Diaries Using Wearable Cameras: A Feasibility Pilot. PLoS ONE, 2015, 10, e0142198.	2.5	64
36	High group level validity but high random error of a self-report travel diary, as assessed by wearable cameras. Journal of Transport and Health, 2014, 1, 190-201.	2.2	36

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37	LifeLogging: Personal Big Data. Foundations and Trends in Information Retrieval, 2014, 8, 1-125.	6.8	299
38	The uncertain representation ranking framework for concept-based video retrieval. Information Retrieval, 2013, 16, 557-583.	2.0	2
39	The Smartphone As a Platform for Wearable Cameras in Health Research. American Journal of Preventive Medicine, 2013, 44, 308-313.	3.0	53
40	Wearable Cameras: Identifying Healthy Transportation Choices. IEEE Pervasive Computing, 2013, 12, 44-47.	1.3	19
41	Wearable Cameras in Health. American Journal of Preventive Medicine, 2013, 44, 320-323.	3.0	155
42	An Ethical Framework for Automated, Wearable Cameras in Health Behavior Research. American Journal of Preventive Medicine, 2013, 44, 314-319.	3.0	189
43	Using the SenseCam to Improve Classifications of Sedentary Behavior in Free-Living Settings. American Journal of Preventive Medicine, 2013, 44, 290-296.	3.0	148
44	Influencing health-related behaviour with wearable cameras. , 2013, , .		9
45	Feasibility of a SenseCam-assisted 24-h recall to reduce under-reporting of energy intake. European Journal of Clinical Nutrition, 2013, 67, 1095-1099.	2.9	73
46	Using SenseCam images to assess the environment. , 2013, , .		4
47	Measuring time spent outdoors using a wearable camera and GPS. , 2013, , .		9
48	Exploring the technical challenges of large-scale lifelogging. , 2013, , .		7
49	Using the SenseCam as an objective tool for evaluating eating patterns. , 2013, , .		10
50	Evaluating the Feasibility of Measuring Travel to School Using a Wearable Camera. American Journal of Preventive Medicine, 2012, 43, 546-550.	3.0	56
51	Automatically assisting human memory: A SenseCam browser. Memory, 2011, 19, 785-795.	1.7	82
52	Passively recognising human activities through lifelogging. Computers in Human Behavior, 2011, 27, 1948-1958.	8.5	120
53	Can we use digital life-log images to investigate active and sedentary travel behaviour? Results from a pilot study. International Journal of Behavioral Nutrition and Physical Activity, 2011, 8, 44.	4.6	110
54	Remote Real-Time Monitoring of Subsurface Landfill Gas Migration. Sensors, 2011, 11, 6603-6628.	3.8	17

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55	Video shot boundary detection: Seven years of TRECVid activity. Computer Vision and Image Understanding, 2010, 114, 411-418.	4.7	229
56	Everyday concept detection in visual lifelogs: validation, relationships and trends. Multimedia Tools and Applications, 2010, 49, 119-144.	3.9	38
57	Correlating Multimodal Physical Sensor Information with Biological Analysis in Ultra Endurance Cycling. Sensors, 2010, 10, 7216-7235.	3.8	2
58	Constructing a SenseCam visual diary as a media process. Multimedia Systems, 2008, 14, 341-349.	4.7	62
59	Keyframe detection in visual lifelogs. , 2008, , .		7