

Aiden Doherty

List of Publications by Year in descending order

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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	Large Scale Population Assessment of Physical Activity Using Wrist Worn Accelerometers: The UK Biobank Study. PLoS ONE, 2017, 12, e0169649.	2.5	654
2	Evaluating Digital Health Interventions. American Journal of Preventive Medicine, 2016, 51, 843-851.	3.0	553
3	LifeLogging: Personal Big Data. Foundations and Trends in Information Retrieval, 2014, 8, 1-125.	6.8	299
4	GWAS identifies 14 loci for device-measured physical activity and sleep duration. Nature Communications, 2018, 9, 5257.	12.8	241
5	Video shot boundary detection: Seven years of TRECVID activity. Computer Vision and Image Understanding, 2010, 114, 411-418.	4.7	229
6	An Ethical Framework for Automated, Wearable Cameras in Health Behavior Research. American Journal of Preventive Medicine, 2013, 44, 314-319.	3.0	189
7	Wearable Cameras in Health. American Journal of Preventive Medicine, 2013, 44, 320-323.	3.0	155
8	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
9	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
10	Passively recognising human activities through lifelogging. Computers in Human Behavior, 2011, 27, 1948-1958.	8.5	120
11	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
12	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
13	Wearable cameras can reduce dietary under-reporting: doubly labelled water validation of a camera-assisted 24h recall. British Journal of Nutrition, 2015, 113, 284-291.	2.3	85
14	Automatically assisting human memory: A SenseCam browser. Memory, 2011, 19, 785-795.	1.7	82
15	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
16	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
17	Sedentary Behavior and Chronic Disease: Mechanisms and Future Directions. Journal of Physical Activity and Health, 2020, 17, 52-61.	2.0	67
18	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

#	ARTICLE	IF	CITATIONS
19	Constructing a SenseCam visual diary as a media process. <i>Multimedia Systems</i> , 2008, 14, 341-349.	4.7	62
20	Evaluating the Feasibility of Measuring Travel to School Using a Wearable Camera. <i>American Journal of Preventive Medicine</i> , 2012, 43, 546-550.	3.0	56
21	The use of a wearable camera to capture and categorise the environmental and social context of self-identified eating episodes. <i>Appetite</i> , 2015, 92, 118-125.	3.7	54
22	The Smartphone As a Platform for Wearable Cameras in Health Research. <i>American Journal of Preventive Medicine</i> , 2013, 44, 308-313.	3.0	53
23	Genome-Wide Association Study of Circadian Rhythmicity in 71,500 UK Biobank Participants and Polygenic Association with Mood Instability. <i>EBioMedicine</i> , 2018, 35, 279-287.	6.1	53
24	Physical activity of UK adults with chronic disease: cross-sectional analysis of accelerometer-measured physical activity in 96 706 UK Biobank participants. <i>International Journal of Epidemiology</i> , 2019, 48, 1167-1174.	1.9	53
25	Advancing the Use of Mobile Technologies in Clinical Trials: Recommendations from the Clinical Trials Transformation Initiative. <i>Digital Biomarkers</i> , 2020, 3, 145-154.	4.4	47
26	Reallocation of time between device-measured movement behaviours and risk of incident cardiovascular disease. <i>British Journal of Sports Medicine</i> , 2022, 56, 1008-1017.	6.7	44
27	Everyday concept detection in visual lifelogs: validation, relationships and trends. <i>Multimedia Tools and Applications</i> , 2010, 49, 119-144.	3.9	38
28	High group level validity but high random error of a self-report travel diary, as assessed by wearable cameras. <i>Journal of Transport and Health</i> , 2014, 1, 190-201.	2.2	36
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. <i>Public Health Nutrition</i> , 2016, 19, 93-103.	2.2	35
30	Testing Self-Report Time-Use Diaries against Objective Instruments in Real Time. <i>Sociological Methodology</i> , 2020, 50, 318-349.	2.4	31
31	Self-reported and objectively measured physical activity in people with and without chronic heart failure: UK Biobank analysis. <i>Open Heart</i> , 2020, 7, e001099.	2.3	26
32	A validation study of the Eurostat harmonised European time use study (HETUS) diary using wearable technology. <i>BMC Public Health</i> , 2019, 19, 455.	2.9	25
33	Wearable Cameras: Identifying Healthy Transportation Choices. <i>IEEE Pervasive Computing</i> , 2013, 12, 44-47.	1.3	19
34	The effects of an aerobic training intervention on cognition, grey matter volumes and white matter microstructure. <i>Physiology and Behavior</i> , 2020, 223, 112923.	2.1	18
35	Remote Real-Time Monitoring of Subsurface Landfill Gas Migration. <i>Sensors</i> , 2011, 11, 6603-6628.	3.8	17
36	Association of genetic liability for psychiatric disorders with accelerometer-assessed physical activity in the UK Biobank. <i>PLoS ONE</i> , 2021, 16, e0249189.	2.5	16

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37	Wearable camera-derived microenvironments in relation to personal exposure to PM2.5. <i>Environment International</i> , 2018, 117, 300-307.	10.0	15
38	Impact of Reduced Sampling Rate on Accelerometer-Based Physical Activity Monitoring and Machine Learning Activity Classification. <i>Journal for the Measurement of Physical Behaviour</i> , 2021, 4, 298-310.	0.8	13
39	Effect of moderate to high intensity aerobic exercise on blood pressure in young adults: The TEPHRA open, two-arm, parallel superiority randomized clinical trial. <i>EClinicalMedicine</i> , 2022, 48, 101445.	7.1	11
40	Using the SenseCam as an objective tool for evaluating eating patterns. , 2013, , .		10
41	Influencing health-related behaviour with wearable cameras. , 2013, , .		9
42	Measuring time spent outdoors using a wearable camera and GPS. , 2013, , .		9
43	Accelerometer-measured physical activity and functional behaviours among people on dialysis. <i>CKJ: Clinical Kidney Journal</i> , 2021, 14, 950-958.	2.9	8
44	Keyframe detection in visual lifelogs. , 2008, , .		7
45	Exploring the technical challenges of large-scale lifelogging. , 2013, , .		7
46	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). <i>Pilot and Feasibility Studies</i> , 2015, 1, 21.	1.2	7
47	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. <i>JMIR Formative Research</i> , 2019, 3, e9910.	1.4	7
48	Circadian rhythms and mental health: wearable sensing at scale. <i>Lancet Psychiatry</i> , 2018, 5, 457-458.	7.4	6
49	A cross-sectional study exploring levels of physical activity and motivators and barriers towards physical activity in haemodialysis patients to inform intervention development. <i>Disability and Rehabilitation</i> , 2021, 43, 1675-1681.	1.8	6
50	Is the Current Focus of the Global Physical Activity Recommendations for Youth Appropriate in All Settings?. <i>Journal of Physical Activity and Health</i> , 2015, 12, 901-903.	2.0	5
51	Response to: One size does not fit all—application of accelerometer thresholds in chronic disease. <i>International Journal of Epidemiology</i> , 2019, 48, 1381-1381.	1.9	5
52	Sedentary Behavior in Children by Wearable Cameras: Development of an Annotation Protocol. <i>American Journal of Preventive Medicine</i> , 2020, 59, 880-886.	3.0	5
53	Using SenseCam images to assess the environment. , 2013, , .		4
54	Physical activity in relation to circulating hormone concentrations in 117,100 men in UK Biobank. <i>Cancer Causes and Control</i> , 2021, 32, 1197-1212.	1.8	4

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55	Accuracy Of Behavioral Assessment With A Wearable Camera in Semi-structured And Free Living Conditions In Older Adults. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 651.	0.4	3
56	An overview on synthetic administrative data for research. <i>International Journal of Population Data Science</i> , 2022, 7, .	0.1	3
57	Correlating Multimodal Physical Sensor Information with Biological Analysis in Ultra Endurance Cycling. <i>Sensors</i> , 2010, 10, 7216-7235.	3.8	2
58	The uncertain representation ranking framework for concept-based video retrieval. <i>Information Retrieval</i> , 2013, 16, 557-583.	2.0	2
59	Validation of Wearable Camera Still Images to Assess Posture in Free-Living Conditions. <i>Journal for the Measurement of Physical Behaviour</i> , 2021, 4, 47-52.	0.8	2