

Jessilyn P Dunn

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3947733/publications.pdf>

Version: 2024-02-01

37
papers

3,699
citations

331538

21
h-index

360920

35
g-index

43
all docs

43
docs citations

43
times ranked

5994
citing authors

#	ARTICLE	IF	CITATIONS
1	Total Synthesis of a Functional Designer Eukaryotic Chromosome. <i>Science</i> , 2014, 344, 55-58.	6.0	486
2	Longitudinal multi-omics of host-microbe dynamics in prediabetes. <i>Nature</i> , 2019, 569, 663-671.	13.7	391
3	Wearables and the medical revolution. <i>Personalized Medicine</i> , 2018, 15, 429-448.	0.8	361
4	A longitudinal big data approach for precision health. <i>Nature Medicine</i> , 2019, 25, 792-804.	15.2	329
5	Digital Health: Tracking Physiomes and Activity Using Wearable Biosensors Reveals Useful Health-Related Information. <i>PLoS Biology</i> , 2017, 15, e2001402.	2.6	319
6	Investigating sources of inaccuracy in wearable optical heart rate sensors. <i>Npj Digital Medicine</i> , 2020, 3, 18.	5.7	317
7	Flow-dependent epigenetic DNA methylation regulates endothelial gene expression and atherosclerosis. <i>Journal of Clinical Investigation</i> , 2014, 124, 3187-3199.	3.9	260
8	Verification, analytical validation, and clinical validation (V3): the foundation of determining fit-for-purpose for Biometric Monitoring Technologies (BioMeTs). <i>Npj Digital Medicine</i> , 2020, 3, 55.	5.7	236
9	Fluid Mechanics, Arterial Disease, and Gene Expression. <i>Annual Review of Fluid Mechanics</i> , 2014, 46, 591-614.	10.8	134
10	Decreased S-Nitrosylation of Tissue Transglutaminase Contributes to Age-Related Increases in Vascular Stiffness. <i>Circulation Research</i> , 2010, 107, 117-125.	2.0	124
11	Wearable sensors enable personalized predictions of clinical laboratory measurements. <i>Nature Medicine</i> , 2021, 27, 1105-1112.	15.2	121
12	Windows into human health through wearables data analytics. <i>Current Opinion in Biomedical Engineering</i> , 2019, 9, 28-46.	1.8	101
13	Flow-Dependent Epigenetic DNA Methylation in Endothelial Gene Expression and Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 1562-1569.	1.1	89
14	The role of epigenetics in the endothelial cell shear stress response and atherosclerosis. <i>International Journal of Biochemistry and Cell Biology</i> , 2015, 67, 167-176.	1.2	54
15	Personal Omics for Precision Health. <i>Circulation Research</i> , 2018, 122, 1169-1171.	2.0	54
16	The digital biomarker discovery pipeline: An open-source software platform for the development of digital biomarkers using mHealth and wearables data. <i>Journal of Clinical and Translational Science</i> , 2021, 5, e19.	0.3	44
17	EventDTW: An Improved Dynamic Time Warping Algorithm for Aligning Biomedical Signals of Nonuniform Sampling Frequencies. <i>Sensors</i> , 2020, 20, 2700.	2.1	32
18	Engineering digital biomarkers of interstitial glucose from noninvasive smartwatches. <i>Npj Digital Medicine</i> , 2021, 4, 89.	5.7	28

#	ARTICLE	IF	CITATIONS
19	Assessment of the Feasibility of Using Noninvasive Wearable Biometric Monitoring Sensors to Detect Influenza and the Common Cold Before Symptom Onset. <i>JAMA Network Open</i> , 2021, 4, e2128534.	2.8	25
20	Associations between unstable housing, obstetric outcomes, and perinatal health care utilization. <i>American Journal of Obstetrics & Gynecology MFM</i> , 2019, 1, 100053.	1.3	24
21	High-frequency actionable pathogenic exome variants in an average-risk cohort. <i>Journal of Physical Education and Sports Management</i> , 2018, 4, a003178.	0.5	23
22	S-Nitrosation of arginase 1 requires direct interaction with inducible nitric oxide synthase. <i>Molecular and Cellular Biochemistry</i> , 2011, 355, 83-89.	1.4	22
23	Demographic Imbalances Resulting From the Bring-Your-Own-Device Study Design. <i>JMIR MHealth and UHealth</i> , 2022, 10, e29510.	1.8	15
24	Detection and Monitoring of Viral Infections via Wearable Devices and Biometric Data. <i>Annual Review of Biomedical Engineering</i> , 2022, 24, 1-27.	5.7	15
25	Non-invasive wearables for remote monitoring of HbA1c and glucose variability: proof of concept. <i>BMJ Open Diabetes Research and Care</i> , 2021, 9, e002027.	1.2	14
26	Recent Academic Research on Clinically Relevant Digital Measures: Systematic Review. <i>Journal of Medical Internet Research</i> , 2021, 23, e29875.	2.1	10
27	Optimizing sampling rate of wrist-worn optical sensors for physiologic monitoring. <i>Journal of Clinical and Translational Science</i> , 2021, 5, e34.	0.3	9
28	Environmental, User, and Social Context-Aware Augmented Reality for Supporting Personal Development and Change. , 2022, , .		9
29	Wearables in the SARS-CoV-2 Pandemic: What Are They Good for?. <i>JMIR MHealth and UHealth</i> , 2020, 8, e25137.	1.8	8
30	Cgmquantify: Python and R Software Packages for Comprehensive Analysis of Interstitial Glucose and Glycemic Variability from Continuous Glucose Monitor Data. <i>IEEE Open Journal of Engineering in Medicine and Biology</i> , 2021, 2, 263-266.	1.7	7
31	Digital Medicine Community Perspectives and Challenges: Survey Study. <i>JMIR MHealth and UHealth</i> , 2021, 9, e24570.	1.8	7
32	Reply: Matters Arising â€” Investigating sources of inaccuracy in wearable optical heart rate sensorsâ€™. <i>Npj Digital Medicine</i> , 2021, 4, 39.	5.7	7
33	Biosignal Compression Toolbox for Digital Biomarker Discovery. <i>Sensors</i> , 2021, 21, 516.	2.1	7
34	Field-Based Assessments of Behavioral Patterns During Shiftwork in Police Academy Trainees Using Wearable Technology. <i>Journal of Biological Rhythms</i> , 2022, 37, 260-271.	1.4	7
35	Estimating Personal Resting Heart Rate from Wearable Biosensor Data. , 2019, , .		2
36	Taking the time for our bodies: How wearables can be used to assess circadian physiology. <i>Cell Reports Methods</i> , 2021, 1, 100067.	1.4	2

#	ARTICLE	IF	CITATIONS
37	73-LB: Expanding the Definition of Intraday Glucose Variability. <i>Diabetes</i> , 2020, 69, .	0.3	2