

Larsson Omberg

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

4,298
citations

257357

24
h-index

360920

35
g-index

42
all docs

42
docs citations

42
times ranked

10672
citing authors

#	ARTICLE	IF	CITATIONS
1	Remote smartphone monitoring of Parkinson's disease and individual response to therapy. <i>Nature Biotechnology</i> , 2022, 40, 480-487.	9.4	73
2	A Smartphone Application as an Exploratory Endpoint in a Phase 3 Parkinson's Disease Clinical Trial: A Pilot Study. <i>Digital Biomarkers</i> , 2022, 6, 1-8.	2.2	6
3	Design of a virtual longitudinal observational study in Parkinson's disease (AT-HOME PD). <i>Annals of Clinical and Translational Neurology</i> , 2021, 8, 308-320.	1.7	18
4	Accelerometer data collected with a minimum set of wearable sensors from subjects with Parkinson's disease. <i>Scientific Data</i> , 2021, 8, 48.	2.4	25
5	Limb and trunk accelerometer data collected with wearable sensors from subjects with Parkinson's disease. <i>Scientific Data</i> , 2021, 8, 47.	2.4	8
6	Crowdsourcing digital health measures to predict Parkinson's disease severity: the Parkinson's Disease Digital Biomarker DREAM Challenge. <i>Npj Digital Medicine</i> , 2021, 4, 53.	5.7	24
7	Smartphone-Based VO2max Measurement With Heart Snapshot in Clinical and Real-world Settings With a Diverse Population: Validation Study. <i>JMIR MHealth and UHealth</i> , 2021, 9, e26006.	1.8	9
8	Meta-Analysis of the Alzheimer's Disease Human Brain Transcriptome and Functional Dissection in Mouse Models. <i>Cell Reports</i> , 2020, 32, 107908.	2.9	199
9	The AD Knowledge Portal: A Repository for Multi-Omic Data on Alzheimer's Disease and Aging. <i>Current Protocols in Human Genetics</i> , 2020, 108, e105.	3.5	43
10	Effects of mood and aging on keystroke dynamics metadata and their diurnal patterns in a large open-science sample: A BiAffect iOS study. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2020, 27, 1007-1018.	2.2	46
11	Data Science Approaches for Effective Use of Mobile Device-Based Collection of Real-World Data. <i>Clinical Pharmacology and Therapeutics</i> , 2020, 107, 719-721.	2.3	5
12	Indicators of retention in remote digital health studies: a cross-study evaluation of 100,000 participants. <i>Npj Digital Medicine</i> , 2020, 3, 21.	5.7	238
13	Butler enables rapid cloud-based analysis of thousands of human genomes. <i>Nature Biotechnology</i> , 2020, 38, 288-292.	9.4	11
14	Evaluating the Utility of Smartphone-Based Sensor Assessments in Persons With Multiple Sclerosis in the Real-World Using an App (elevateMS): Observational, Prospective Pilot Digital Health Study. <i>JMIR MHealth and UHealth</i> , 2020, 8, e22108.	1.8	55
15	Deep Phenotyping of Parkinson's Disease. <i>Journal of Parkinson's Disease</i> , 2020, 10, 855-873.	1.5	42
16	mhealthtools: A Modular R Package for Extracting Features from Mobile and Wearable Sensor Data. <i>Journal of Open Source Software</i> , 2020, 5, 2106.	2.0	8
17	A Permutation Approach to Assess Confounding in Machine Learning Applications for Digital Health. , 2019, , .		6
18	Supporting Coping with Parkinson's Disease Through Self Tracking. , 2019, , .		39

#	ARTICLE	IF	CITATIONS
19	Detecting the impact of subject characteristics on machine learning-based diagnostic applications. <i>Npj Digital Medicine</i> , 2019, 2, 99.	5.7	46
20	Unsupervised Analysis of Transcriptomics in Bacterial Sepsis Across Multiple Datasets Reveals Three Robust Clusters. <i>Critical Care Medicine</i> , 2018, 46, 915-925.	0.4	219
21	Remote Assessment, in Real-World Setting, of Tremor Severity in Parkinson's Disease Patients Using Smartphone Inertial Sensors. , 2018, , .		2
22	Spatiotemporal Reconstruction of the Human Blastocyst by Single-Cell Gene-Expression Analysis Informs Induction of Naive Pluripotency. <i>Developmental Cell</i> , 2016, 38, 100-115.	3.1	35
23	Analysis of 589,306 genomes identifies individuals resilient to severe Mendelian childhood diseases. <i>Nature Biotechnology</i> , 2016, 34, 531-538.	9.4	273
24	Integrated Genomic Analysis of Diverse Induced Pluripotent Stem Cells from the Progenitor Cell Biology Consortium. <i>Stem Cell Reports</i> , 2016, 7, 110-125.	2.3	101
25	PERSONALIZED HYPOTHESIS TESTS FOR DETECTING MEDICATION RESPONSE IN PARKINSON DISEASE PATIENTS USING IPHONE SENSOR DATA. <i>Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing</i> , 2016, 21, 273-84.	0.7	10
26	The PsychENCODE project. <i>Nature Neuroscience</i> , 2015, 18, 1707-1712.	7.1	371
27	Multiplatform Analysis of 12 Cancer Types Reveals Molecular Classification within and across Tissues of Origin. <i>Cell</i> , 2014, 158, 929-944.	13.5	1,242
28	Assessing the clinical utility of cancer genomic and proteomic data across tumor types. <i>Nature Biotechnology</i> , 2014, 32, 644-652.	9.4	257
29	Enabling transparent and collaborative computational analysis of 12 tumor types within The Cancer Genome Atlas. <i>Nature Genetics</i> , 2013, 45, 1121-1126.	9.4	102
30	Patterns of Ancestry, Signatures of Natural Selection, and Genetic Association with Stature in Western African Pygmies. <i>PLoS Genetics</i> , 2012, 8, e1002641.	1.5	118
31	PCAdmix: Principal Components-Based Assignment of Ancestry Along Each Chromosome in Individuals with Admixed Ancestry from Two or More Populations. <i>Human Biology</i> , 2012, 84, 343-364.	0.4	154
32	Population Genetic Inference from Personal Genome Data: Impact of Ancestry and Admixture on Human Genomic Variation. <i>American Journal of Human Genetics</i> , 2012, 91, 660-671.	2.6	100
33	Biologic Phenotyping of the Human Small Airway Epithelial Response to Cigarette Smoking. <i>PLoS ONE</i> , 2011, 6, e22798.	1.1	74
34	Threshold of Biologic Responses of the Small Airway Epithelium to Low Levels of Tobacco Smoke. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010, 182, 1524-1532.	2.5	83
35	Coordinate Control of Expression of Nrf2-Modulated Genes in the Human Small Airway Epithelium Is Highly Responsive to Cigarette Smoking. <i>Molecular Medicine</i> , 2009, 15, 203-219.	1.9	80
36	Global effects of DNA replication and DNA replication origin activity on eukaryotic gene expression. <i>Molecular Systems Biology</i> , 2009, 5, 312.	3.2	29

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37	A tensor higher-order singular value decomposition for integrative analysis of DNA microarray data from different studies. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 18371-18376.	3.3	115
38	Detecting the onset of bifurcations and their precursors from noisy data. Physical Review E, 2000, 61, 4848-4853.	0.8	17