# Jukka-Pekka Onnela

List of Publications by Year
in descending order



| 88 | 4,924 | 172207 29 | 114278 63 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 99 | 99 | 99 | 5934 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Feasibility and performance of smartphone-based daily micro-surveys among patients recovering from cancer surgery. Quality of Life Research, 2022, 31, 579-587. | 1.5 | 5 |
| 2 | Design and methods of the Apple Womenâ€™s Health Study: a digital longitudinal cohort study. American Journal of Obstetrics and Gynecology, 2022, 226, 545.e1-545.e29. | 0.7 | 16 |
| 3 | Smartphone-based Assessment of Preoperative Decision Conflict and Postoperative Physical Activity Among Patients Undergoing Cancer Surgery. Annals of Surgery, 2022, 276, 193-199. | 2.1 | 8 |
| 4 | Fluctuations in behavior and affect in college students measured using deep phenotyping. Scientific Reports, 2022, 12, 1932. | 1.6 | 8 |
| 5 | Using Smartphones to Reduce Research Burden in a Neurodegenerative Population and Assessing Participant Adherence: A Randomized Clinical Trial and Two Observational Studies. JMIR MHealth and UHealth, 2022, 10, e31877. | 1.8 | 10 |
| 6 | Smartphone-Based Activity Recognition Using Multistream Movelets Combining Accelerometer and Gyroscope Data. Sensors, 2022, 22, 2618. | 2.1 | 4 |
| 7 | Online Anomaly Detection for Smartphone-Based Multivariate Behavioral Time Series Data. Sensors, 2022, 22, 2110. | 2.1 | 2 |
| 8 | Effect of a Two-Dose vs Three-Dose Vaccine Strategy in Residential Colleges Using an Empirical Proximity Network. International Journal of Infectious Diseases, 2022, , . | 1.5 | 0 |
| 9 | Influence of Hospital Characteristics on Hospital Transfer Destinations for Patients With Stroke. Circulation: Cardiovascular Quality and Outcomes, 2022, 15, 101161CIRCOUTCOMES121008269. | 0.9 | 5 |
| 10 | Mentalizing imagery therapy to augment skills training for dementia caregivers: Protocol for a randomized, controlled trial of a mobile application and digital phenotyping. Contemporary Clinical Trials, 2022, 116, 106737. | 0.8 | 1 |
| 11 | Framework for assessing and easing global COVID-19 travel restrictions. Scientific Reports, 2022, 12, 6985. | 1.6 | 7 |
| 12 | Attempts to Conceive and the COVID-19 Pandemic: Data from the Apple Womenâ€™s Health Study. American Journal of Obstetrics and Gynecology, 2022, , . | 0.7 | 2 |
| 13 | Combining digital pill and smartphone data to quantify medication adherence in an observational psychiatric pilot study. Psychiatry Research, 2022, 315, 114707. | 1.7 | 5 |
| 14 | Opportunities and challenges in the collection and analysis of digital phenotyping data. Neuropsychopharmacology, 2021, 46, 45-54. | 2.8 | 122 |
| 15 | Smartphone sensing of social interactions in people with and without schizophrenia. Journal of Psychiatric Research, 2021, 137, 613-620. | 1.5 | 39 |
| 16 | Can mHealth interventions improve quality of life of cancer patients? A systematic review and meta-analysis. Critical Reviews in Oncology/Hematology, 2021, 157, 103123. | 2.0 | 59 |
| 17 | Smartphone data during the <scp>COVID</scp>â€19 pandemic can quantify behavioral changes in people with <scp>ALS</scp>. Muscle and Nerve, 2021, 63, 258-262. | 1.0 | 19 |
| 18 | Smartphone Global Positioning System (GPS) Data Enhances Recovery Assessment After Breast Cancer Surgery. Annals of Surgical Oncology, 2021, 28, 985-994. | 0.7 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Assessment of Racial Disparities in Primary Care Physician Specialty Referrals. JAMA Network Open, 2021, 4, e2029238. | 2.8 | 58 |
| 20 | Edge overlap in weighted and directed social networks. Network Science, 2021, 9, 179-193. | 0.8 | 2 |
| 21 | Increase in Suicidal Thinking During COVID-19. Clinical Psychological Science, 2021, 9, 482-488. | 2.4 | 28 |
| 22 | Expected Versus Experienced Health-Related Quality of Life Among Patients Recovering From Cancer Surgery. Annals of Surgery Open, 2021, 2, e060. | 0.7 | 9 |
| 23 | Open-source Longitudinal Sleep Analysis From Accelerometer Data (DPSleep): Algorithm Development and Validation. JMIR MHealth and UHealth, 2021, 9, e29849. | 1.8 | 11 |
| 24 | Bidirectional imputation of spatial GPS trajectories with missingness using sparse online Gaussian Process. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 1777-1784. | 2.2 | 8 |
| 25 | Sociodemographic characteristics of missing data in digital phenotyping. Scientific Reports, 2021, 11, 15408. | 1.6 | 19 |
| 26 | Smartphone GPS signatures of patients undergoing spine surgery correlate with mobility and current gold standard outcome measures. Journal of Neurosurgery: Spine, 2021, 35, 796-806. | 0.9 | 13 |
| 27 | Decision Models and Technology Can Help Psychiatry Develop Biomarkers. Frontiers in Psychiatry, 2021, 12, 706655. | 1.3 | 9 |
| 28 | Incorporating human mobility data improves forecasts of Dengue fever in Thailand. Scientific Reports, 2021, 11, 923. | 1.6 | 33 |
| 29 | Examining SARS-CoV-2 Interventions in Residential Colleges Using an Empirical Network. International Journal of Infectious Diseases, 2021, 113, 325-330. | 1.5 | 14 |
| 30 | A systematic review of smartphone-based human activity recognition methods for health research. Npj Digital Medicine, 2021, 4, 148. | 5.7 | 82 |
| 31 | Beiwe: A data collection platform for high-throughput digital phenotyping. Journal of Open Source Software, 2021, 6, 3417. | 2.0 | 28 |
| 32 | Inferring mobility measures from GPS traces with missing data. Biostatistics, 2020, 21, e98-e112. | 0.9 | 57 |
| 33 | Using Smartphones to Capture Novel Recovery Metrics After Cancer Surgery. JAMA Surgery, 2020, 155, 123. | 2.2 | 71 |
| 34 | Hospital Factors Associated With Interhospital Transfer Destination for Stroke in the Northeast United States. Journal of the American Heart Association, 2020, 9, e011575. | 1.6 | 18 |
| 35 | The AURORA Study: a longitudinal, multimodal library of brain biology and function after traumatic stress exposure. Molecular Psychiatry, 2020, 25, 283-296. | 4.1 | 92 |
| 36 | Association of Physician Peer Influence With Subsequent Physician Adoption and Use of Bevacizumab. JAMA Network Open, 2020, 3, e1918586. | 2.8 | 22 |

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|---|---|---|---|
| 37 | ASO Author Reflections: Applications of Smartphone-Based Digital Phenotyping in Supplementing Recovery Assessment After Cancer Surgery. Annals of Surgical Oncology, 2020, 27, 909-910. | 0.7 | 1 |
| 38 | Determining sample size and length of follow-up for smartphone-based digital phenotyping studies. Journal of the American Medical Informatics Association: JAMIA, 2020, 27, 1844-1849. | 2.2 | 21 |
| 39 | Bayesian method for inferring the impact of geographical distance on intensity of communication. Scientific Reports, 2020, 10, 11775. | 1.6 | 1 |
| 40 | Augmented Movelet Method for Activity Classification Using Smartphone Gyroscope and Accelerometer Data. Sensors, 2020, 20, 3706. | 2.1 | 10 |
| 41 | Patient-reported and clinician-rated performance status and general health among women with gynecologic cancers on palliative chemotherapy.. Journal of Clinical Oncology, 2020, 38, e24128-e24128. | 0.8 | 0 |
| 42 | A Network Approach to Stroke Systems of Care. Circulation: Cardiovascular Quality and Outcomes, 2019, 12, e005526. | 0.9 | 26 |
| 43 | Flexible model of network embedding. Scientific Reports, 2019, 9, 11710. | 1.6 | 2 |
| 44 | Passive data collection and use in healthcare: A systematic review of ethical issues. International Journal of Medical Informatics, 2019, 129, 242-247. | 1.6 | 57 |
| 45 | Harnessing digital technology to predict, diagnose, monitor, and develop treatments for brain disorders. Npj Digital Medicine, 2019, 2, 44. | 5.7 | 21 |
| 46 | Smartphone-Based Tracking of Sleep in Depression, Anxiety, and Psychotic Disorders. Current Psychiatry Reports, 2019, 21, 49. | 2.1 | 57 |
| 47 | Social network analysis of group position, popularity, and sleep behaviors among U.S. adolescents. Social Science and Medicine, 2019, 232, 417-426. | 1.8 | 27 |
| 48 | Efficient vaccination strategies for epidemic control using network information. Epidemics, 2019, 27, 115-122. | 1.5 | 29 |
| 49 | Digital Phenotyping in Patients with Spine Disease: A Novel Approach to Quantifying Mobility and Quality of Life. World Neurosurgery, 2019, 126, e241-e249. | 0.7 | 39 |
| 50 | A Bootstrap Method for Goodness of Fit and Model Selection with a Single Observed Network. Scientific Reports, 2019, 9, 16674. | 1.6 | 4 |
| 51 | Influence of Peer Physicians on Intensity of End-of-Life Care for Cancer Decedents. Medical Care, 2019, 57, 468-474. | 1.1 | 6 |
| 52 | Ischemic Stroke Transfer Patterns in the Northeast United States. Journal of Stroke and Cerebrovascular Diseases, 2019, 28, 295-304. | 0.7 | 10 |
| 53 | Understanding the quality, effectiveness and attributes of top-rated smartphone health apps. Evidence-Based Mental Health, 2019, 22, 4-9. | 2.2 | 95 |
| 54 | Digital Phenotyping for the Busy Psychiatrist: Clinical Implications and Relevance. Psychiatric Annals, 2019, 49, 196-201. | 0.1 | 8 |

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|---|---|---|---|
| 55 | Relapse prediction in schizophrenia through digital phenotyping: a pilot study. Neuropsychopharmacology, 2018, 43, 1660-1666. | 2.8 | 269 |
| 56 | A crossroad for validating digital tools in schizophrenia and mental health. NPJ Schizophrenia, 2018, 4, 6. | 2.0 | 7 |
| 57 | Characterizing the clinical relevance of digital phenotyping data quality with applications to a cohort with schizophrenia. Npj Digital Medicine, 2018, 1, 15. | 5.7 | 88 |
| 58 | Patient-Sharing Networks of Physicians and Health Care Utilization and Spending Among Medicare Beneficiaries. JAMA Internal Medicine, 2018, 178, 66. | 2.6 | 75 |
| 59 | Impact of degree truncation on the spread of a contagious process on networks. Network Science, 2018, 6, 34-53. | 0.8 | 12 |
| 60 | A multilevel approach to modeling health inequalities at the intersection of multiple social identities. Social Science and Medicine, 2018, 203, 64-73. | 1.8 | 185 |
| 61 | The HOPE Pilot Study: Harnessing Patient-Reported Outcomes and Biometric Data to Enhance Cancer Care. JCO Clinical Cancer Informatics, 2018, 2, 1-12. | 1.0 | 67 |
| 62 | Comparison of physician networks constructed from thresholded ties versus shared clinical episodes. Applied Network Science, 2018, 3, 28. | 0.8 | 13 |
| 63 | Connected but segregated: social networks in rural villages. Journal of Complex Networks, 2018, 6, 693-705. | 1.1 | 11 |
| 64 | Beyond smartphones and sensors: choosing appropriate statistical methods for the analysis of longitudinal data. Journal of the American Medical Informatics Association: JAMIA, 2018, 25, 1669-1674. | 2.2 | 35 |
| 65 | Understanding tie strength in social networks using a local â€œbow tieâ€•framework. Scientific Reports, 2018, 8, 9349. | 1.6 | 20 |
| 66 | Leveraging contact network structure in the design of cluster randomized trials. Clinical Trials, 2017, 14, 37-47. | 0.7 | 12 |
| 67 | Using a network-based approach and targeted maximum likelihood estimation to evaluate the effect of adding pre-exposure prophylaxis to an ongoing test-and-treat trial. Clinical Trials, 2017, 14, 201-210. | 0.7 | 4 |
| 68 | Biomarker correlation network in colorectal carcinoma by tumor anatomic location. BMC Bioinformatics, 2017, 18, 304. | 1.2 | 18 |
| 69 | Influence of a patient transfer network of US inpatient facilities on the incidence of nosocomial infections. Scientific Reports, 2017, 7, 2930. | 1.6 | 23 |
| 70 | The WPA- Lancet Psychiatry Commission on the Future of Psychiatry. Lancet Psychiatry,the, 2017, 4, 775-818. | 3.7 | 305 |
| 71 | A comparison of passive and active estimates of sleep in a cohort with schizophrenia. NPJ Schizophrenia, 2017, 3, 37. | 2.0 | 55 |
| 72 | Assessing the impact of colonoscopy complications on use of colonoscopy among primary care physicians and other connected physicians: an observational study of older Americans. BMJ Open, 2017, 7, e014239. | 0.8 | 6 |

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|---|---|---|---|
| 73 | Simulations for designing and interpreting intervention trials in infectious diseases. BMC Medicine, 2017, 15, 223. | 2.3 | 64 |
| 74 | Multiple contexts and adolescent body mass index: Schools, neighborhoods, and social networks. Social Science and Medicine, 2016, 162, 21-31. | 1.8 | 24 |
| 75 | Harnessing Smartphone-Based Digital Phenotyping to Enhance Behavioral and Mental Health. Neuropsychopharmacology, 2016, 41, 1691-1696. | 2.8 | 432 |
| 76 | Polio vaccine hesitancy in the networks and neighborhoods of Malegaon, India. Social Science and Medicine, 2016, 153, 99-106. | 1.8 | 45 |
| 77 | New Tools for New Research in Psychiatry: A Scalable and Customizable Platform to Empower Data Driven Smartphone Research. JMIR Mental Health, 2016, 3, e16. | 1.7 | 457 |
| 78 | Incorporating Contact Network Structure in Cluster Randomized Trials. Scientific Reports, 2015, 5, 17581. | 1.6 | 21 |
| 79 | Realizing the Potential of Mobile Mental Health: New Methods for New Data in Psychiatry. Current Psychiatry Reports, 2015, 17, 602. | 2.1 | 135 |
| 80 | Utilizing a Personal Smartphone Custom App to Assess the Patient Health Questionnaire-9 (PHQ-9) Depressive Symptoms in Patients With Major Depressive Disorder. JMIR Mental Health, 2015, 2, e8. | 1.7 | 213 |
| 81 | Using sociometers to quantify social interaction patterns. Scientific Reports, 2014, 4, . | 1.6 | 42 |
| 82 | Adding network structure onto the map of collective behavior. Behavioral and Brain Sciences, 2014, 37, 82-83. | 0.4 | 2 |
| 83 | A simple generative model of collective online behavior. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10411-10415. | 3.3 | 78 |
| 84 | Taxonomies of networks from community structure. Physical Review E, 2012, 86, 036104-36104. | 0.8 | 79 |
| 85 | Spreading paths in partially observed social networks. Physical Review E, 2012, 85, 036106. | 0.8 | 24 |
| 86 | Geographic Constraints on Social Network Groups. PLoS ONE, 2011, 6, e16939. | 1.1 | 245 |
| 87 | Spontaneous emergence of social influence in online systems. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18375-18380. | 3.3 | 228 |
| 88 | Analysis of a large-scale weighted network of one-to-one human communication. New Journal of Physics, 2007, 9, 179-179. | 1.2 | 297 |