

Smartphone-Based Recognition of States and State Cha

IEEE Journal of Biomedical and Health Informatics

19, 140-148

DOI: [10.1109/jbhi.2014.2343154](https://doi.org/10.1109/jbhi.2014.2343154)

Citation Report

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Towards smartphone-based sensing of social interaction for ambulatory assessment. , 2015, , . | | 2 |
| 2 | Data collection of elicited facial expressions and speech responses for mood disorder detection. , 2015, , . | | 5 |
| 3 | Smartphone app usage as a predictor of perceived stress levels at workplace. , 2015, , . | | 32 |
| 4 | Identification of relevant sensor sources for context-aware ESM apps in ambulatory assessment. , 2015, , . | | 4 |
| 5 | Enabling Psychiatrists to Explore the Full Potential of E-Health. <i>Frontiers in Psychiatry</i> , 2015, 6, 177. | 1.3 | 30 |
| 6 | Current research and trends in the use of smartphone applications for mood disorders. <i>Internet Interventions</i> , 2015, 2, 169-173. | 1.4 | 108 |
| 7 | Investigating correlation between verbal interactions and perceived stress. , 2015, 2015, 1612-5. | | 7 |
| 8 | Digital assistance services for emergency situations in personalized mobile healthcare: Smart space based approach. , 2015, , . | | 25 |
| 9 | How to use smartphones for less obtrusive ambulatory mood assessment and mood recognition. , 2015, , . | | 25 |
| 10 | Exploring the link between behaviour and health. <i>Personal and Ubiquitous Computing</i> , 2015, 19, 255-257. | 1.9 | 2 |
| 11 | Smartphones in Mental Health: Detecting Depressive and Manic Episodes. <i>IEEE Pervasive Computing</i> , 2015, 14, 10-13. | 1.1 | 64 |
| 12 | Smartphone apps in mental healthcare: the state of the art and potential developments. <i>BJ Psych Advances</i> , 2015, 21, 354-358. | 0.5 | 20 |
| 13 | Realizing the Potential of Mobile Mental Health: New Methods for New Data in Psychiatry. <i>Current Psychiatry Reports</i> , 2015, 17, 602. | 2.1 | 135 |
| 14 | Is energy a stronger indicator of mood for those with bipolar disorder compared to those without bipolar disorder?. <i>Psychiatry Research</i> , 2015, 230, 1-4. | 1.7 | 10 |
| 15 | Relapse prediction: A meteorology-inspired mobile model. <i>Health Psychology Open</i> , 2016, 3, 205510291666593. | 0.7 | 4 |
| 16 | An Internet-based program for depression using activity and physiological sensors: efficacy, expectations, satisfaction, and ease of use. <i>Neuropsychiatric Disease and Treatment</i> , 2016, 12, 393. | 1.0 | 34 |
| 17 | From Data Acquisition to Data Fusion: A Comprehensive Review and a Roadmap for the Identification of Activities of Daily Living Using Mobile Devices. <i>Sensors</i> , 2016, 16, 184. | 2.1 | 123 |
| 18 | ¿Que pueden aportar actualmente las nuevas tecnologÍas al trastorno bipolar?. <i>Revista De Psicopatología Y Psicología Clínica</i> , 2016, 21, . | 0.1 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Computational Tracking of Mental Health in Youth: Latin American Contributions to a Low-Cost and Effective Solution for Early Psychiatric Diagnosis. <i>New Directions for Child and Adolescent Development</i> , 2016, 2016, 59-69. | 1.3 | 9 |
| 20 | Development and Evaluation of a Smartphone-Based Measure of Social Rhythms for Bipolar Disorder. <i>Assessment</i> , 2016, 23, 472-483. | 1.9 | 74 |
| 21 | Energy-efficient recognition of human activity in body sensor networks via compressed classification. <i>International Journal of Distributed Sensor Networks</i> , 2016, 12, 155014771667966. | 1.3 | 6 |
| 22 | The 'WikiGuidelines' smartphone application: Bridging the gaps in availability of evidence-based smartphone mental health applications. <i>Technology and Health Care</i> , 2016, 24, 587-590. | 0.5 | 10 |
| 23 | Detection of mood disorder using speech emotion profiles and LSTM. , 2016, , . | | 6 |
| 24 | Rationale and protocol for using a smartphone application to study autism spectrum disorders: SMARTAUTISM. <i>BMJ Open</i> , 2016, 6, e012135. | 0.8 | 5 |
| 25 | Opportunistic and Context-Aware Affect Sensing on Smartphones. <i>IEEE Pervasive Computing</i> , 2016, 15, 60-69. | 1.1 | 13 |
| 26 | Daily longitudinal self-monitoring of mood variability in bipolar disorder and borderline personality disorder. <i>Journal of Affective Disorders</i> , 2016, 205, 225-233. | 2.0 | 124 |
| 27 | Stress modelling and prediction in presence of scarce data. <i>Journal of Biomedical Informatics</i> , 2016, 63, 344-356. | 2.5 | 52 |
| 28 | Voice analysis as an objective state marker in bipolar disorder. <i>Translational Psychiatry</i> , 2016, 6, e856-e856. | 2.4 | 167 |
| 29 | Patient State Recognition System for Healthcare Using Speech and Facial Expressions. <i>Journal of Medical Systems</i> , 2016, 40, 272. | 2.2 | 86 |
| 30 | Mood state prediction from speech of varying acoustic quality for individuals with bipolar disorder. , 2016, 2016, 2359-2363. | | 56 |
| 31 | Exploring conflicts in rule-based sensor networks. <i>Pervasive and Mobile Computing</i> , 2016, 27, 133-154. | 2.1 | 5 |
| 32 | Electronic self-monitoring of mood using IT platforms in adult patients with bipolar disorder: A systematic review of the validity and evidence. <i>BMC Psychiatry</i> , 2016, 16, 7. | 1.1 | 80 |
| 33 | Automatic detection of social rhythms in bipolar disorder. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2016, 23, 538-543. | 2.2 | 183 |
| 34 | Examining Accumulated Emotional Traits in Suicide Blogs With an Emotion Topic Model. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2016, 20, 1384-1396. | 3.9 | 58 |
| 35 | Classification of bipolar disorder episodes based on analysis of voice and motor activity of patients. <i>Pervasive and Mobile Computing</i> , 2016, 31, 50-66. | 2.1 | 67 |
| 36 | Multiscale Analysis of Intensive Longitudinal Biomedical Signals and Its Clinical Applications. <i>Proceedings of the IEEE</i> , 2016, 104, 242-261. | 16.4 | 54 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Automatic Stress Detection in Working Environments From Smartphonesâ€™ Accelerometer Data: A First Step. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 1053-1060. | 3.9 | 182 |
| 38 | Extracting Fundamental Periods to Segment Biomedical Signals. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 1466-1476. | 3.9 | 5 |
| 39 | Evaluation of AllergiSense Smartphone Tools for Adrenaline Injection Training. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 272-282. | 3.9 | 7 |
| 40 | Experiences of Remote Mood and Activity Monitoring in Bipolar Disorder: A Qualitative Study. European Psychiatry, 2017, 41, 115-121. | 0.1 | 69 |
| 41 | Features of vocal frequency contour and speech rhythm in bipolar disorder. Biomedical Signal Processing and Control, 2017, 37, 23-31. | 3.5 | 13 |
| 42 | Quantifying the Changeable Self: The Role of Self-Tracking in Coming to Terms With and Managing Bipolar Disorder. Human-Computer Interaction, 2017, 32, 413-446. | 3.1 | 32 |
| 44 | The double-edged sword: A mixed methods study of the interplay between bipolar disorder and technology use. Computers in Human Behavior, 2017, 75, 288-300. | 5.1 | 32 |
| 45 | Mobile Phone Ecological Momentary Assessment of Daily Stressors Among People Living With HIV: Elucidating Factors Underlying Health-Related Challenges in Daily Routines. Journal of the Association of Nurses in AIDS Care, 2017, 28, 737-751. | 0.4 | 15 |
| 46 | There is an app for that! The current state of mobile applications (apps) for DSM-5 obsessive-compulsive disorder, posttraumatic stress disorder, anxiety and mood disorders. Depression and Anxiety, 2017, 34, 526-539. | 2.0 | 187 |
| 48 | Personal Sensing: Understanding Mental Health Using Ubiquitous Sensors and Machine Learning. Annual Review of Clinical Psychology, 2017, 13, 23-47. | 6.3 | 510 |
| 49 | Internet of Things and Big Data Technologies for Next Generation Healthcare. Studies in Big Data, 2017, , . | 0.8 | 112 |
| 50 | Inferring Mood Instability on Social Media by Leveraging Ecological Momentary Assessments. , 2017, 1, 1-27. | | 58 |
| 51 | The promise of digital mood tracking technologies: are we heading on the right track?. Evidence-Based Mental Health, 2017, 20, 102-107. | 2.2 | 40 |
| 53 | Detecting Bipolar Depression From Geographic Location Data. IEEE Transactions on Biomedical Engineering, 2017, 64, 1761-1771. | 2.5 | 132 |
| 54 | Wearable Social Sensing: Content-Based Processing Methodology and Implementation. IEEE Sensors Journal, 2017, 17, 7167-7176. | 2.4 | 24 |
| 55 | Wearable Social Sensing and Its Application in Anxiety Assesment. , 2017, , . | | 4 |
| 56 | An activity of daily living primitiveâ€™based recognition framework for smart homes with discrete sensor data. International Journal of Distributed Sensor Networks, 2017, 13, 155014771774949. | 1.3 | 0 |
| 57 | Mood disorder identification using deep bottleneck features of elicited speech. , 2017, , . | | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 58 | Smart portable system for protein concentration detection. , 2017, , . | | 1 |
| 59 | Digital Platforms in the Assessment and Monitoring of Patients with Bipolar Disorder. Brain Sciences, 2017, 7, 150. | 1.1 | 41 |
| 60 | SmartARM: A smartphone-based group activity recognition and monitoring scheme for military applications. , 2017, , . | | 8 |
| 61 | Design and Methods of the Mood Disorder Cohort Research Consortium (MDCRC) Study. Psychiatry Investigation, 2017, 14, 100. | 0.7 | 15 |
| 62 | Relapse prediction in schizophrenia through digital phenotyping: a pilot study. Neuropsychopharmacology, 2018, 43, 1660-1666. | 2.8 | 269 |
| 63 | A review of physiological and behavioral monitoring with digital sensors for neuropsychiatric illnesses. Physiological Measurement, 2018, 39, 05TR01. | 1.2 | 86 |
| 64 | Mymemory: A mobile memory assistant for people with traumatic brain injury. International Journal of Human Computer Studies, 2018, 117, 4-19. | 3.7 | 18 |
| 65 | Trends in telemedicine utilizing artificial intelligence. AIP Conference Proceedings, 2018, , . | 0.3 | 40 |
| 66 | Disease management apps and technical assistance systems for bipolar disorder: Investigating the patients' point of view. Journal of Affective Disorders, 2018, 229, 351-357. | 2.0 | 40 |
| 67 | Episode forecasting in bipolar disorder: Is energy better than mood?. Bipolar Disorders, 2018, 20, 470-476. | 1.1 | 10 |
| 69 | Systematic review of smartphone-based passive sensing for health and wellbeing. Journal of Biomedical Informatics, 2018, 77, 120-132. | 2.5 | 247 |
| 70 | Commonly available activity tracker apps and wearables as a mental health outcome indicator: A prospective observational cohort study among young adults with psychological distress. Journal of Affective Disorders, 2018, 236, 31-36. | 2.0 | 19 |
| 71 | Towards pervasive geospatial affect perception. Geoinformatica, 2018, 22, 143-169. | 2.0 | 6 |
| 72 | Novel technology as platform for interventions for caregivers and individuals with severe mental health illnesses: A systematic review. Journal of Affective Disorders, 2018, 226, 169-177. | 2.0 | 19 |
| 73 | The Emerging Neurobiology of Bipolar Disorder. Trends in Neurosciences, 2018, 41, 18-30. | 4.2 | 160 |
| 74 | grippeNET App. , 2018, , . | | 3 |
| 75 | A Survey on Multi-Sensor Fusion Techniques in IoT for Healthcare. , 2018, , . | | 6 |
| 76 | Detecting Manic State of Bipolar Disorder Based on Support Vector Machine and Gaussian Mixture Model Using Spontaneous Speech. Psychiatry Investigation, 2018, 15, 695-700. | 0.7 | 24 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 77 | Human Behaviour Analysis through Smartphones. Proceedings (mdpi), 2018, 2, . | 0.2 | 9 |
| 78 | Personalized versus Generic Mood Prediction Models in Bipolar Disorder. , 2018, , . | | 11 |
| 79 | Apps and wearables in the monitoring of mental health disorders. British Journal of Hospital Medicine (London, England: 2005), 2018, 79, 672-675. | 0.2 | 17 |
| 80 | Approach for the Development of a Framework for the Identification of Activities of Daily Living Using Sensors in Mobile Devices. Sensors, 2018, 18, 640. | 2.1 | 25 |
| 81 | Mental health monitoring with multimodal sensing and machine learning: A survey. Pervasive and Mobile Computing, 2018, 51, 1-26. | 2.1 | 215 |
| 82 | Effectiveness of smartphone-based ambulatory assessment (SBAA-BD) including a predicting system for upcoming episodes in the long-term treatment of patients with bipolar disorders: study protocol for a randomized controlled single-blind trial. BMC Psychiatry, 2018, 18, 349. | 1.1 | 20 |
| 83 | Remotely Monitoring Cancer-Related Fatigue Using the Smart-Phone: Results of an Observational Study. Information (Switzerland), 2018, 9, 271. | 1.7 | 6 |
| 84 | Automatic processing of Electronic Medical Records using Deep Learning. , 2018, , . | | 3 |
| 85 | Motor Activity Based Classification of Depression in Unipolar and Bipolar Patients. , 2018, , . | | 22 |
| 86 | From e-Health to i-Health: Prospective Reflexions on the Use of Intelligent Systems in Mental Health Care. Brain Sciences, 2018, 8, 98. | 1.1 | 18 |
| 87 | Smartphone-based objective monitoring in bipolar disorder: status and considerations. International Journal of Bipolar Disorders, 2018, 6, 6. | 0.8 | 88 |
| 88 | Intelligent Healthcare Systems Assisted by Data Analytics and Mobile Computing. Wireless Communications and Mobile Computing, 2018, 2018, 1-16. | 0.8 | 24 |
| 89 | Data fusion and multiple classifier systems for human activity detection and health monitoring: Review and open research directions. Information Fusion, 2019, 46, 147-170. | 11.7 | 265 |
| 90 | Integrating digital phenotyping in clinical characterization of individuals with mood disorders. Neuroscience and Biobehavioral Reviews, 2019, 104, 223-230. | 2.9 | 38 |
| 91 | The Emerging Neurobiology of Bipolar Disorder. Focus (American Psychiatric Publishing), 2019, 17, 284-293. | 0.4 | 7 |
| 92 | Touchscreen typing pattern analysis for remote detection of the depressive tendency. Scientific Reports, 2019, 9, 13414. | 1.6 | 59 |
| 93 | Wearable-Based Affect Recognition—A Review. Sensors, 2019, 19, 4079. | 2.1 | 114 |
| 94 | Adapting Evidence-Based Treatments for Digital Technologies: a Critical Review of Functions, Tools, and the Use of Branded Solutions. Current Psychiatry Reports, 2019, 21, 106. | 2.1 | 14 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 95 | Multi-target affect detection in the wild. , 2019, , . | | 32 |
| 96 | Enhanced Living Environments. Lecture Notes in Computer Science, 2019, , . | 1.0 | 8 |
| 97 | Towards Truly Affective AAL Systems. Lecture Notes in Computer Science, 2019, , 152-176. | 1.0 | 2 |
| 98 | Smartphone Sensors for Health Monitoring and Diagnosis. Sensors, 2019, 19, 2164. | 2.1 | 241 |
| 99 | Remote Monitoring of Children With Chronic Illness Using Wearable Vest. , 2019, , 121-137. | | 7 |
| 100 | Depression Episodes Detection in Unipolar and Bipolar Patients: A Methodology with Feature Extraction and Feature Selection with Genetic Algorithms Using Activity Motion Signal as Information Source. Mobile Information Systems, 2019, 2019, 1-12. | 0.4 | 9 |
| 101 | Machine learning for wearable IoT-based applications: A survey. Transactions on Emerging Telecommunications Technologies, 2022, 33, e3635. | 2.6 | 49 |
| 102 | Speech-based markers for posttraumatic stress disorder in US veterans. Depression and Anxiety, 2019, 36, 607-616. | 2.0 | 70 |
| 103 | Digital biomarkers from geolocation data in bipolar disorder and schizophrenia: a systematic review. Journal of the American Medical Informatics Association: JAMIA, 2019, 26, 1412-1420. | 2.2 | 45 |
| 104 | Artificial Intelligence in Medicine: Knowledge Representation and Transparent and Explainable Systems. Lecture Notes in Computer Science, 2019, , . | 1.0 | 0 |
| 105 | Self-organizing Maps Using Acoustic Features for Prediction of State Change in Bipolar Disorder. Lecture Notes in Computer Science, 2019, , 148-160. | 1.0 | 7 |
| 106 | Attention-based convolutional neural network and long short-term memory for short-term detection of mood disorders based on elicited speech responses. Pattern Recognition, 2019, 88, 668-678. | 5.1 | 39 |
| 107 | A Domains Oriented Framework of Recent Machine Learning Applications in Mobile Mental Health. Lecture Notes in Information Systems and Organisation, 2019, , 163-172. | 0.4 | 0 |
| 109 | Smartphone Instrumentations for Public Health Safety. Wireless Networks, 2019, , . | 0.3 | 1 |
| 110 | Objective smartphone data as a potential diagnostic marker of bipolar disorder. Australian and New Zealand Journal of Psychiatry, 2019, 53, 119-128. | 1.3 | 66 |
| 111 | Detecting Unipolar and Bipolar Depressive Disorders from Elicited Speech Responses Using Latent Affective Structure Model. IEEE Transactions on Affective Computing, 2020, 11, 393-404. | 5.7 | 24 |
| 112 | Personalized Multitask Learning for Predicting Tomorrow's Mood, Stress, and Health. IEEE Transactions on Affective Computing, 2020, 11, 200-213. | 5.7 | 144 |
| 113 | Surgical Wounds Assessment System for Self-Care. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 5076-5091. | 5.9 | 9 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 114 | Cell-Coupled Long Short-Term Memory With $\$L\$$ -Skip Fusion Mechanism for Mood Disorder Detection Through Elicited Audiovisual Features. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020, 31, 124-135. | 7.2 | 13 |
| 115 | User-adaptive models for activity and emotion recognition using deep transfer learning and data augmentation. <i>User Modeling and User-Adapted Interaction</i> , 2020, 30, 365-393. | 2.9 | 19 |
| 116 | Towards emotion recognition from contextual information using machine learning. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2020, 11, 3187-3207. | 3.3 | 21 |
| 117 | Unobtrusive monitoring of behavior and movement patterns to detect clinical depression severity level via smartphone. <i>Journal of Biomedical Informatics</i> , 2020, 103, 103371. | 2.5 | 37 |
| 118 | Applications of Artificial Intelligence and Big Data Analytics in m-Health: A Healthcare System Perspective. <i>Journal of Healthcare Engineering</i> , 2020, 2020, 1-15. | 1.1 | 86 |
| 119 | Passive Sensing of Prediction of Moment-To-Moment Depressed Mood among Undergraduates with Clinical Levels of Depression Sample Using Smartphones. <i>Sensors</i> , 2020, 20, 3572. | 2.1 | 74 |
| 120 | Computerized clinical decision system and mobile application with expert support to optimize management of vertigo in primary care: study protocol for a pragmatic cluster-randomized controlled trial. <i>Journal of Neurology</i> , 2020, 267, 45-50. | 1.8 | 16 |
| 121 | Predicting mental health using smart-phone usage and sensor data. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2021, 12, 9145-9161. | 3.3 | 9 |
| 122 | Systematic Review of Digital Phenotyping and Machine Learning in Psychosis Spectrum Illnesses. <i>Harvard Review of Psychiatry</i> , 2020, 28, 296-304. | 0.9 | 65 |
| 123 | Monitoring Changes in Depression Severity Using Wearable and Mobile Sensors. <i>Frontiers in Psychiatry</i> , 2020, 11, 584711. | 1.3 | 61 |
| 124 | Digital Phenotyping in Bipolar Disorder: Which Integration with Clinical Endophenotypes and Biomarkers?. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7684. | 1.8 | 20 |
| 125 | Exploiting Vocal Tract Coordination Using Dilated CNNs For Depression Detection In Naturalistic Environments. , 2020, , . | | 22 |
| 126 | Daily estimates of clinical severity of symptoms in bipolar disorder from smartphone-based self-assessments. <i>Translational Psychiatry</i> , 2020, 10, 194. | 2.4 | 11 |
| 127 | Prediction of stress and drug craving ninety minutes in the future with passively collected GPS data. <i>Npj Digital Medicine</i> , 2020, 3, 26. | 5.7 | 40 |
| 128 | Smartphone screening for neonatal jaundice via ambient-subtracted sclera chromaticity. <i>PLoS ONE</i> , 2020, 15, e0216970. | 1.1 | 32 |
| 129 | Ecological momentary assessment of the relationships between social activity and mood in bipolar disorder. <i>Journal of Behavioral and Cognitive Therapy</i> , 2020, 30, 41-48. | 0.7 | 4 |
| 130 | Incremental Semi-Supervised Fuzzy C-Means for Bipolar Disorder Episode Prediction. , 2020, , . | | 6 |
| 131 | Initial and relapse prodromes in adult patients with episodes of bipolar disorder: A systematic review. <i>European Psychiatry</i> , 2020, 63, e12. | 0.1 | 9 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 132 | Facial Emotion Recognition Using Hybrid Features. Informatics, 2020, 7, 6. | 2.4 | 33 |
| 133 | YSUY: Your Smartphone Understands Youâ€”Using Machine Learning to Address Fundamental Human Needs. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 7553-7568. | 5.9 | 4 |
| 134 | Internet-Based/Technology-Based Interventions in Major Depressive Disorder. , 2020, , 147-160. | | 2 |
| 135 | Smartphone as a monitoring tool for bipolar disorder: a systematic review including data analysis, machine learning algorithms and predictive modelling. International Journal of Medical Informatics, 2020, 138, 104131. | 1.6 | 41 |
| 136 | Things that help out: designing smart wearables as partners in stress management. AI and Society, 2021, 36, 251-261. | 3.1 | 3 |
| 137 | Smartphone-Based Wellness Assessment Using Mobile Environmental Sensors. IEEE Systems Journal, 2021, 15, 1989-1999. | 2.9 | 3 |
| 138 | Speech stress recognition using semi-eager learning. Cognitive Systems Research, 2021, 65, 79-97. | 1.9 | 6 |
| 139 | Data Management, Analytics and Innovation. Advances in Intelligent Systems and Computing, 2021, , . | 0.5 | 4 |
| 140 | Ethical and Safety Concerns Regarding the Use of Mental Healthâ€”Related Apps in Counseling: Considerations for Counselors. Journal of Technology in Behavioral Science, 2021, 6, 137-150. | 1.3 | 12 |
| 141 | MAV Control Charts for Monitoring Two-State Processes Using Indirectly Observed Binary Data. , 2021, , 121-142. | | 0 |
| 142 | Privacy by Design for Neuropsychological Studies Based on an mHealth App. Communications in Computer and Information Science, 2021, , 442-467. | 0.4 | 2 |
| 143 | Understanding the Social Determinants of Mental Health of Undergraduate Students in Bangladesh: Interview Study. JMIR Formative Research, 2021, 5, e27114. | 0.7 | 7 |
| 144 | Wearables, smartphones, and artificial intelligence for digital phenotyping and health. , 2021, , 33-54. | | 13 |
| 145 | The Convolutional Neural Networks Training With Channel-Selectivity for Human Activity Recognition Based on Sensors. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3834-3843. | 3.9 | 23 |
| 146 | Technological Advances in Clinical Assessment. , 2022, , 301-320. | | 3 |
| 147 | Smartphone-Based Self-Reports of Depressive Symptoms Using the Remote Monitoring Application in Psychiatry (ReMAP): Interformat Validation Study. JMIR Mental Health, 2021, 8, e24333. | 1.7 | 11 |
| 148 | A Novel Sensor-Based Human Activity Recognition Method Based on Hybrid Feature Selection and Combinational Optimization. IEEE Access, 2021, 9, 107235-107249. | 2.6 | 5 |
| 151 | A Survey of Computational Methods for Online Mental State Assessment on Social Media. ACM Transactions on Computing for Healthcare, 2021, 2, 1-31. | 3.3 | 39 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 152 | What Does Social Support Sound Like? Challenges and Opportunities for Using Passive Episodic Audio Collection to Assess the Social Environment. <i>Frontiers in Public Health</i> , 2021, 9, 633606. | 1.3 | 6 |
| 153 | Patient electronic communication data in clinical care: what is known and what is needed. <i>International Review of Psychiatry</i> , 2021, 33, 372-381. | 1.4 | 2 |
| 154 | A Scoping Review of Sensors, Wearables, and Remote Monitoring For Behavioral Health: Uses, Outcomes, Clinical Competencies, and Research Directions. <i>Journal of Technology in Behavioral Science</i> , 2021, 6, 278-313. | 1.3 | 28 |
| 155 | Digital Communication Biomarkers of Mood and Diagnosis in Borderline Personality Disorder, Bipolar Disorder, and Healthy Control Populations. <i>Frontiers in Psychiatry</i> , 2021, 12, 610457. | 1.3 | 5 |
| 156 | Digital Biomarkers of Symptom Burden Self-Reported by Perioperative Patients Undergoing Pancreatic Surgery: Prospective Longitudinal Study. <i>JMIR Cancer</i> , 2021, 7, e27975. | 0.9 | 15 |
| 157 | Facial expression recognition based on computer deep learning algorithm: taking cognitive acceptance of college students as an example. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 0, , 1. | 3.3 | 3 |
| 158 | Wearable, Environmental, and Smartphone-Based Passive Sensing for Mental Health Monitoring. <i>Frontiers in Digital Health</i> , 2021, 3, 662811. | 1.5 | 46 |
| 159 | Using artificial intelligence and longitudinal location data to differentiate persons who develop posttraumatic stress disorder following childhood trauma. <i>Scientific Reports</i> , 2021, 11, 10303. | 1.6 | 12 |
| 160 | Ethics and Law in Research on Algorithmic and Data-Driven Technology in Mental Health Care: Scoping Review. <i>JMIR Mental Health</i> , 2021, 8, e24668. | 1.7 | 28 |
| 161 | Towards Clustering Human Behavioral Patterns based on Digital Phenotyping. , 2021, , . | | 1 |
| 163 | The Multiplicative Patient and the Clinical Workflow: Clinician Perspectives on Social Interfaces for Self-Tracking and Managing Bipolar Disorder. , 2021, , . | | 4 |
| 164 | Joint tracking of multiple quantiles through conditional quantiles. <i>Information Sciences</i> , 2021, 563, 40-58. | 4.0 | 3 |
| 165 | Intelligent analysis of data streams about phone calls for bipolar disorder monitoring. , 2021, , . | | 6 |
| 166 | Analysis of Human Behavior by Mining Textual Data: Current Research Topics and Analytical Techniques. <i>Symmetry</i> , 2021, 13, 1276. | 1.1 | 4 |
| 167 | Digital Phenotyping in Child and Adolescent Psychiatry: A Perspective. <i>Harvard Review of Psychiatry</i> , 2021, 29, 401-408. | 0.9 | 7 |
| 168 | Cognitive bias modification for threat interpretations: using passive Mobile Sensing to detect intervention effects in daily life. <i>Anxiety, Stress and Coping</i> , 2022, 35, 298-312. | 1.7 | 2 |
| 169 | Automatically Generated Smartphone Data in Young Patients With Newly Diagnosed Bipolar Disorder and Healthy Controls. <i>Frontiers in Psychiatry</i> , 2021, 12, 559954. | 1.3 | 3 |
| 170 | The use of smartphone-derived location data to evaluate participation following critical illness: A pilot observational cohort study. <i>Australian Critical Care</i> , 2022, 35, 225-232. | 0.6 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 171 | Using Acoustic Speech Patterns From Smartphones to Investigate Mood Disorders: Scoping Review. JMIR MHealth and UHealth, 2021, 9, e24352. | 1.8 | 7 |
| 172 | Portable technologies for digital phenotyping of bipolar disorder: A systematic review. Journal of Affective Disorders, 2021, 295, 323-338. | 2.0 | 18 |
| 173 | Apps and gaps in bipolar disorder: A systematic review on electronic monitoring for episode prediction. Journal of Affective Disorders, 2021, 295, 1190-1200. | 2.0 | 11 |
| 174 | Behavioral and Physiological Signals-Based Deep Multimodal Approach for Mobile Emotion Recognition. IEEE Transactions on Affective Computing, 2023, 14, 1082-1097. | 5.7 | 20 |
| 175 | Dynamic Incremental Semi-supervised Fuzzy Clustering for Bipolar Disorder Episode Prediction. Lecture Notes in Computer Science, 2020, , 79-93. | 1.0 | 8 |
| 177 | Internet of Things Meets Mobile Health Systems in Smart Spaces: An Overview. Studies in Big Data, 2017, , 111-129. | 0.8 | 24 |
| 178 | Depression Behavior Detection Model Based on Participation in Serious Games. Lecture Notes in Computer Science, 2017, , 423-434. | 1.0 | 7 |
| 179 | High potential but limited evidence: Using voice data from smartphones to monitor and diagnose mood disorders.. Psychiatric Rehabilitation Journal, 2017, 40, 320-324. | 0.8 | 21 |
| 183 | Tracking and Modeling Subjective Well-Being Using Smartphone-Based Digital Phenotype. , 2020, , . | | 8 |
| 184 | Predicting Brain Functional Connectivity Using Mobile Sensing. , 2020, 4, 1-22. | | 22 |
| 185 | Facial Emotion Recognition using Neighborhood Features. International Journal of Advanced Computer Science and Applications, 2020, 11, . | 0.5 | 1 |
| 186 | Unipolar Depression vs. Bipolar Disorder: An Elicitation-Based Approach to Short-Term Detection of Mood Disorder. , 0, , . | | 6 |
| 187 | Group-Personalized Regression Models for Predicting Mental Health Scores From Objective Mobile Phone Data Streams: Observational Study. Journal of Medical Internet Research, 2018, 20, e10194. | 2.1 | 13 |
| 188 | Passive Sensing of Health Outcomes Through Smartphones: Systematic Review of Current Solutions and Possible Limitations. JMIR MHealth and UHealth, 2019, 7, e12649. | 1.8 | 92 |
| 189 | Development of an Emotion-Sensitive mHealth Approach for Mood-State Recognition in Bipolar Disorder. JMIR Mental Health, 2020, 7, e14267. | 1.7 | 3 |
| 190 | Forecasting Mood in Bipolar Disorder From Smartphone Self-assessments: Hierarchical Bayesian Approach. JMIR MHealth and UHealth, 2020, 8, e15028. | 1.8 | 28 |
| 191 | The Relationship Between Smartphone-Recorded Environmental Audio and Symptomatology of Anxiety and Depression: Exploratory Study. JMIR Formative Research, 2020, 4, e18751. | 0.7 | 29 |
| 192 | Mobile Apps for Bipolar Disorder: A Systematic Review of Features and Content Quality. Journal of Medical Internet Research, 2015, 17, e198. | 2.1 | 364 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 193 | Smartphone-Based Monitoring of Objective and Subjective Data in Affective Disorders: Where Are We and Where Are We Going? Systematic Review. Journal of Medical Internet Research, 2017, 19, e262. | 2.1 | 149 |
| 194 | Technology-Based Early Warning Systems for Bipolar Disorder: A Conceptual Framework. JMIR Mental Health, 2016, 3, e42. | 1.7 | 9 |
| 195 | Mobile Phone and Wearable Sensor-Based mHealth Approaches for Psychiatric Disorders and Symptoms: Systematic Review. JMIR Mental Health, 2019, 6, e9819. | 1.7 | 90 |
| 196 | Correlations Between Objective Behavioral Features Collected From Mobile and Wearable Devices and Depressive Mood Symptoms in Patients With Affective Disorders: Systematic Review. JMIR MHealth and UHealth, 2018, 6, e165. | 1.8 | 138 |
| 198 | Predicting Negative Emotions Based on Mobile Phone Usage Patterns: An Exploratory Study. JMIR Research Protocols, 2016, 5, e160. | 0.5 | 40 |
| 199 | mHealth Technologies for Palliative Care Patients at the Interface of In-Patient to Outpatient Care: Protocol of Feasibility Study Aiming to Early Predict Deterioration of Patient's Health Status. JMIR Research Protocols, 2017, 6, e142. | 0.5 | 17 |
| 200 | Engagement Strategies for Self-Monitoring Symptoms of Bipolar Disorder With Mobile and Wearable Technology: Protocol for a Randomized Controlled Trial. JMIR Research Protocols, 2018, 7, e130. | 0.5 | 14 |
| 201 | mHealth R&D Activities in Europe. Advances in Healthcare Information Systems and Administration Book Series, 2016, , 20-51. | 0.2 | 4 |
| 202 | The Rise of mHealth Research in Europe. Advances in Healthcare Information Systems and Administration Book Series, 2019, , 1-29. | 0.2 | 2 |
| 203 | A Smartphone-Based Personalized Activity Recommender System for Patients with Depression. , 2015, , . | | 4 |
| 204 | ESMAC: A Web-Based Configurator for Context-Aware Experience Sampling Apps in Ambulatory Assessment. , 2015, , . | | 6 |
| 205 | The relationship between mobile phone location sensor data and depressive symptom severity. PeerJ, 2016, 4, e2537. | 0.9 | 229 |
| 206 | Breaking the Data Value-Privacy Paradox in Mobile Mental Health Systems Through User-Centered Privacy Protection: A Web-Based Survey Study. JMIR Mental Health, 2021, 8, e31633. | 1.7 | 7 |
| 207 | A lightweight neural network framework using linear grouped convolution for human activity recognition on mobile devices. Journal of Supercomputing, 2022, 78, 6696-6716. | 2.4 | 13 |
| 208 | A platform for user empowerment through Self Ecological Momentary Assessment / Intervention. , 2015, , . | | 1 |
| 209 | Szenarien für die Entwicklung der Erwachsenenbildung. , 2016, , 295-313. | | 0 |
| 211 | Technology to Promote Obesity Self-Management. , 2017, , 287-294. | | 0 |
| 212 | Monitoring Patients in Ambulatory Palliative Care: A Design for an Observational Study. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 207-214. | 0.2 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 213 | Suitability of Event-Based Prompts in Experience Sampling Studies Focusing on Location Changes. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 163-168. | 0.2 | 0 |
| 218 | Die Rolle von E-Mental Health am Beispiel depressiver Erkrankungen. , 2019, , 47-66. | | 1 |
| 219 | DL4DED: Deep Learning for Depressive Episode Detection on Mobile Devices. Lecture Notes in Computer Science, 2019, , 109-121. | 1.0 | 6 |
| 220 | Personalized linguistic summaries in smartphone-based monitoring of bipolar disorder patients. , 0, , . | | 4 |
| 221 | The Ethics of Passive Data and Digital Phenotyping in Neurosurgery. , 2019, , 129-141. | | 0 |
| 224 | The CAMS eSense Framework. , 2019, , . | | 10 |
| 227 | Predicting Mental health disorders using Machine Learning for employees in technical and non-technical companies. , 2020, , . | | 21 |
| 228 | Baseline for Performance Prediction of Android Applications. , 2020, , . | | 2 |
| 229 | Adversary Models for Mobile Device Authentication. ACM Computing Surveys, 2022, 54, 1-35. | 16.1 | 3 |
| 230 | Acoustic Feature Selection with Fuzzy Clustering, Self Organizing Maps and Psychiatric Assessments. Communications in Computer and Information Science, 2020, , 342-355. | 0.4 | 6 |
| 231 | Bipolar Disorder: A Pathway Towards Research Progress in Identification and Classification. Advances in Intelligent Systems and Computing, 2020, , 205-214. | 0.5 | 0 |
| 233 | mHealth R&D Activities in Europe. , 0, , 758-789. | | 2 |
| 234 | Prediction of Mental Disorder Using Artificial Neural Network and Psychometric Analysis. Advances in Intelligent Systems and Computing, 2021, , 369-377. | 0.5 | 4 |
| 236 | mHealth technology to assess, monitor and treat daily functioning difficulties in people with severe mental illness: A systematic review. Journal of Psychiatric Research, 2022, 145, 35-49. | 1.5 | 17 |
| 237 | Screening for Depression in Mobile Devices Using Patient Health Questionnaire-9 (PHQ-9) Data: A Diagnostic Meta-Analysis via Machine Learning Methods. Neuropsychiatric Disease and Treatment, 2021, Volume 17, 3415-3430. | 1.0 | 7 |
| 238 | Explaining smartphone-based acoustic data in bipolar disorder: Semi-supervised fuzzy clustering and relative linguistic summaries. Information Sciences, 2022, 588, 174-195. | 4.0 | 19 |
| 240 | Learning a Privacy-Preserving Global Feature Set for Mood Classification Using Smartphone Activity and Sensor Data. , 2020, , . | | 2 |
| 241 | Automatic Emotion Recognition in Clinical Scenario: A Systematic Review of Methods. IEEE Transactions on Affective Computing, 2023, 14, 1675-1695. | 5.7 | 7 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 243 | Behavioral and Self-reported Data Collected From Smartphones for the Assessment of Depressive and Manic Symptoms in Patients With Bipolar Disorder: Prospective Observational Study. Journal of Medical Internet Research, 2022, 24, e28647. | 2.1 | 8 |
| 244 | Wearable technology and artificial intelligence in psychiatric disorders. , 2022, , 53-70. | | 1 |
| 245 | Negative Information Measurement at AI Edge: A New Perspective for Mental Health Monitoring. ACM Transactions on Internet Technology, 2022, 22, 1-16. | 3.0 | 18 |
| 246 | Continuous TBI Monitoring From Spontaneous Speech Using Parametrized Sinc Filters and a Cascading GRU. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 3517-3528. | 3.9 | 2 |
| 247 | The integration of mHealth technologies in telemedicine during the COVID-19 era: A cross-sectional study. PLoS ONE, 2022, 17, e0264436. | 1.1 | 26 |
| 248 | MHDeep: Mental Health Disorder Detection System Based on Wearable Sensors and Artificial Neural Networks. Transactions on Embedded Computing Systems, 2022, 21, 1-22. | 2.1 | 14 |
| 249 | Software Architecture Patterns for Extending Sensing Capabilities and Data Formatting in Mobile Sensing. Sensors, 2022, 22, 2813. | 2.1 | 1 |
| 250 | A review of detection techniques for depression and bipolar disorder. Smart Health, 2022, 24, 100282. | 2.0 | 12 |
| 251 | Clustering and Feature Analysis of Smartphone Data for Depression Monitoring. , 2021, 2021, 113-116. | | 7 |
| 252 | Psikoterapide Mobil Uygulama KullanÄ±mÄ±nÄ±n Etik Kurallar Ä±zerÄ±vesinde Ele AlÄ±nmasÄ±. YaÄ±yam Becerileri Psikoloji Dergisi, 2021, 5, 133-140. | 0.2 | 3 |
| 253 | Artificial Intelligence based Early Detection and Timely Diagnosis of Mental Illness - A Review. , 2022, , . | | 1 |
| 255 | Passive Monitoring of Mental Health Status in the Criminal Forensic Population. Journal of the American Academy of Psychiatry and the Law, 2019, 47, 457-466. | 0.2 | 1 |
| 256 | A review about Technology in mental health sensing and assessment. ITM Web of Conferences, 2022, 46, 01005. | 0.4 | 0 |
| 257 | Understanding Privacy Risks and Perceived Benefits in Open Dataset Collection for Mobile Affective Computing. , 2022, 6, 1-26. | | 7 |
| 259 | Mobile phone enabled mental health monitoring to enhance diagnosis for severity assessment of behaviours: a review. PeerJ Computer Science, 0, 8, e1042. | 2.7 | 5 |
| 261 | Bipolar disorder detection over social media. Informatics in Medicine Unlocked, 2022, 32, 101042. | 1.9 | 2 |
| 262 | Implementation of Educational-Interactive-Psychiatric Management Software for Patients with Bipolar Disorder. Medical Journal of the Islamic Republic of Iran, 0, , . | 0.9 | 0 |
| 263 | Conversational agents on smartphones and the web. , 2023, , 99-112. | | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 264 | Experimental evaluation of the accuracy of an ensemble of fuzzy methods for classification of episodes in bipolar disorder. , 2022, , . | | 1 |
| 265 | Human behaviour data analysis and noncommunicable diseases: a systematic mapping study. Behaviour and Information Technology, 2023, 42, 2485-2503. | 2.5 | 1 |
| 266 | Prediction of University Studentsâ€™ Subjective Well-Being with Sleep and Physical Activity Data using Classification Algorithms. Procedia Computer Science, 2022, 207, 2648-2657. | 1.2 | 3 |
| 267 | A physically active lifestyle is associated with lower long-term incidence of bipolar disorder in a population-based, large-scale study. International Journal of Bipolar Disorders, 2022, 10, . | 0.8 | 0 |
| 268 | Mobile-based, emotion-sensitive video diaries and ambulatory third-party assessments as indicators of mood states in bipolar disorder. Minerva Psychiatry, 2022, 63, . | 0.3 | 0 |
| 270 | Digital Phenotyping in Mood Disorders. , 2023, , 35-48. | | 0 |
| 271 | The design of a mental health service platform for college students based on multi-modal information. Microprocessors and Microsystems, 2023, 96, 104748. | 1.8 | 2 |
| 272 | Digital Phenotyping of Mental Health using multimodal sensing of multiple situations of interest: A Systematic Literature Review. Journal of Biomedical Informatics, 2023, 138, 104278. | 2.5 | 11 |
| 273 | Detection of bipolar disorder in the prodromal phase: A systematic review of assessment instruments. Journal of Affective Disorders, 2023, 325, 399-412. | 2.0 | 3 |
| 277 | Power, Personhood, and Data-Driven Technologies in the Lives of Disabled People: The Rise of Profiling Technologies in Mental Health Settings. , 2023, , 1-22. | | 0 |
| 279 | Bifurcation of Depression and Bipolar Disorder through Different Modalities using Deep Learning. , 2023, , . | | 0 |
| 281 | Technologies to Assess Psycho-Behavioural Symptoms. Practical Issues in Geriatrics, 2023, , 99-116. | 0.3 | 0 |
| 287 | Devising the issues associated with artificial intelligence for mental disorders. AIP Conference Proceedings, 2023, , . | 0.3 | 0 |
| 288 | Uncovering Emotions: A Pilot Study on Classifying Moods in the Valence-Arousal Space using In-the-Wild Passive Data. , 2023, , . | | 0 |
| 291 | Improving Mental Disorder Predictions using Feature-Based Machine Learning Techninques. , 2023, , . | | 0 |
| 292 | Exploring the Role of Artificial Intelligence in Mental Health. , 2023, , . | | 0 |
| 294 | Feature Selection inÂ Bipolar Disorder Episode Classification Using Cost-Constrained Methods. Communications in Computer and Information Science, 2024, , 36-40. | 0.4 | 0 |
| 295 | SOK: Application of machine learning models in child and youth mental health decision-making. , 2024, , 113-132. | | 0 |

| # | ARTICLE | IF | CITATIONS |
|---|---------|----|-----------|
|---|---------|----|-----------|