Rdiger Pryss

List of Publications by Citations

128 papers	1,335 citations	20 h-index	30 g-index
158 ext. papers	1,878 ext. citations	2.8 avg, IF	4.94 L-index

#	Paper	IF	Citations
128	Measuring the Moment-to-Moment Variability of Tinnitus: The TrackYourTinnitus Smart Phone App. *Frontiers in Aging Neuroscience*, **2016**, 8, 294	5.3	73
127	Emotional states as mediators between tinnitus loudness and tinnitus distress in daily life: Results from the "TrackYourTinnitus" application. *Scientific Reports*, **2016**, 6, 20382	4.9	71
126	Innovations in Doctoral Training and Research on Tinnitus: The European School on Interdisciplinary Tinnitus Research (ESIT) Perspective. *Frontiers in Aging Neuroscience*, **2017**, 9, 447	5.3	50
125	Mobile Crowd Sensing Services for Tinnitus Assessment, Therapy, and Research **2015**,		45
124	The German Version of the Mobile App Rating Scale (MARS-G): Development and Validation Study. *JMIR MHealth and UHealth*, **2020**, 8, e14479	5.5	38
123	'Help for trauma from the app stores?' A systematic review and standardised rating of apps for Post-Traumatic Stress Disorder (PTSD). *Högre Utbildning*, **2020**, 11, 1701788	5	37
122	Does Tinnitus Depend on Time-of-Day? An Ecological Momentary Assessment Study with the "TrackYourTinnitus" Application. *Frontiers in Aging Neuroscience*, **2017**, 9, 253	5.3	36
121	Prospective crowdsensing versus retrospective ratings of tinnitus variability and tinnitus distress associations based on the TrackYourTinnitus mobile platform. *International Journal of Data Science and Analytics*, **2019**, 8, 327-338	2	32
120	Emotion dynamics and tinnitus: Daily life data from the "TrackYourTinnitus" application. *Scientific Reports*, **2016**, 6, 31166	4.9	32
119	Towards Flexible Process Support on Mobile Devices. *Lecture Notes in Business Information Processing*, **2011**, 150-165	0.6	31
118	Outpatient Tinnitus Clinic, Self-Help Web Platform, or Mobile Application to Recruit Tinnitus Study Samples?. *Frontiers in Aging Neuroscience*, **2017**, 9, 113	5.3	29
117	Mobile Crowd Sensing in Clinical and Psychological Trials -- A Case Study **2015**,		28
116	Experiences of Psychotherapists With Remote Psychotherapy During the COVID-19 Pandemic: Cross-sectional Web-Based Survey Study. *Journal of Medical Internet Research*, **2020**, 22, e20246	7.6	27
115	Standardised profiling for tinnitus research: The European School for Interdisciplinary Tinnitus Research Screening Questionnaire (ESIT-SQ). *Hearing Research*, **2019**, 377, 353-359	3.9	21
114	Mobile Crowdsensing Services for Tinnitus Assessment and Patient Feedback **2017**,		21
113	What data are smartphone users willing to share with researchers?. *Journal of Ambient Intelligence and Humanized Computing*, **2020**, 11, 2277-2289	3.7	21
112	Context Data Categories and Privacy Model for Mobile Data Collection Apps. *Procedia Computer Science*, **2018**, 134, 18-25	1.6	21

111	Supporting medical ward rounds through mobile task and process management. *Information Systems and E-Business Management*, **2015**, 13, 107-146	2.6	20
110	Anomaly Detections for Manufacturing Systems Based on Sensor Data-Insights into Two Challenging Real-World Production Settings. *Sensors*, **2019**, 19,	3.8	20
109	Combining Mobile Crowdsensing and Ecological Momentary Assessments in the Healthcare Domain. *Frontiers in Neuroscience*, **2020**, 14, 164	5.1	18
108	Ensuring Compliance of Collaborative and Distributed Workflows **2013**,		18
107	Data-Aware Interaction in Distributed and Collaborative Workflows: Modeling, Semantics, Correctness **2012**,		17
106	From ADEPT to AristaFlow BPM Suite: A Research Vision Has Become Reality. *Lecture Notes in Business Information Processing*, **2010**, 529-531	0.6	17
105	Prospective acceptance of distinct mobile mental health features in psychiatric patients and mental health professionals. *Journal of Psychiatric Research*, **2019**, 109, 126-132	5.2	16
104	Differences between Android and iOS Users of the TrackYourTinnitus Mobile Crowdsensing mHealth Platform **2018**,		15
103	Techniques and Emerging Trends for State of the Art Equipment Maintenance Systems: A Bibliometric Analysis. *Applied Sciences (Switzerland)*, **2018**, 8, 916	2.6	14
102	Advanced Algorithms for Location-Based Smart Mobile Augmented Reality Applications. *Procedia Computer Science*, **2016**, 94, 97-104	1.6	14
101	Towards Incentive Management Mechanisms in the Context of Crowdsensing Technologies based on TrackYourTinnitus Insights. *Procedia Computer Science*, **2018**, 134, 145-152	1.6	14
100	Smartphone Apps in the Context of Tinnitus: Systematic Review. *Sensors*, **2020**, 20,	3.8	13
99	Referenceable mobile crowdsensing architecture: A healthcare use case. *Procedia Computer Science* , **2018**, 134, 445-451	1.6	13
98	Review of Smart Services for Tinnitus Self-Help, Diagnostics and Treatments. *Frontiers in Neuroscience*, **2018**, 12, 541	5.1	13
97	Entity-level stream classification: exploiting entity similarity to label the future observations referring to an entity. *International Journal of Data Science and Analytics*, **2020**, 9, 1-15	2	12
96	Towards a unification of treatments and interventions for tinnitus patients: The EU research and innovation action UNITI. *Progress in Brain Research*, **2021**, 260, 441-451	2.9	12
95	Requirements for a Flexible and Generic API Enabling Mobile Crowdsensing mHealth Applications **2018**,		12
94	Learnability of a Configurator Empowering End Users to Create Mobile Data Collection Instruments: Usability Study. *JMIR MHealth and UHealth*, **2018**, 6, e148	5.5	11

93	Development of Mobile Data Collection Applications by Domain Experts: Experimental Results from a Usability Study. *Lecture Notes in Computer Science*, **2017**, 60-75	0.9	11
92	End-User Programming of Mobile Services: Empowering Domain Experts to Implement Mobile Data Collection Applications **2016**,		11
91	. *IEEE Access*, **2019**, 7, 71921-71932	3.5	10
90	Towards Flexible Mobile Data Collection in Healthcare **2016**,		10
89	Process-Driven and Flow-Based Processing of Industrial Sensor Data. *Sensors*, **2020**, 20,	3.8	10
88	"How Come You Don't Call Me?" Smartphone Communication App Usage as an Indicator of Loneliness and Social Well-Being across the Adult Lifespan during the COVID-19 Pandemic. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	10
87	A Mobile Service Engine Enabling Complex Data Collection Applications. *Lecture Notes in Computer Science*, **2016**, 626-633	0.9	9
86	Towards Context-Aware Process Guidance in Cyber-Physical Systems with Augmented Reality **2018**,		9
85	Mobile Crowdsensing for the Juxtaposition of Realtime Assessments and Retrospective Reporting for Neuropsychiatric Symptoms **2017**,		8
84	Smartphone and Mobile Health Apps for Tinnitus: Systematic Identification, Analysis, and Assessment. *JMIR MHealth and UHealth*, **2020**, 8, e21767	5.5	8
83	A Lightweight Process Engine for Enabling Advanced Mobile Applications. *Lecture Notes in Computer Science*, **2016**, 552-569	0.9	8
82	Mobile Health App Database - A Repository for Quality Ratings of mHealth Apps **2020**,		8
81	Ecological Momentary Assessment based Differences between Android and iOS Users of the TrackYourHearing mHealth Crowdsensing Platform. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2019**, 2019, 3951-3955	0.9	8
80	Using Smart Mobile Devices for Collecting Structured Data in Clinical Trials: Results from a Large-Scale Case Study **2015**,		7
79	Exploring the Time Trend of Stress Levels While Using the Crowdsensing Mobile Health Platform, TrackYourStress, and the Influence of Perceived Stress Reactivity: Ecological Momentary Assessment Pilot Study. *JMIR MHealth and UHealth*, **2019**, 7, e13978	5.5	7
78	Collaboration Support Through Mobile Processes and Entailment Constraints **2013**,		7
77	Clinical and Cost-Effectiveness of PSYCHOnlineTHERAPY: Study Protocol of a Multicenter Blended Outpatient Psychotherapy Cluster Randomized Controlled Trial for Patients With Depressive and Anxiety Disorders. *Frontiers in Psychiatry*, **2021**, 12, 660534	5	7
76	Using Wearables in the Context of Chronic Disorders: Results of a Pre-Study **2016**,		7

75	Design and Implementation of a Scalable Crowdsensing Platform for Geospatial Data of Tinnitus Patients **2019**,		6
74	Efficient Processing of Geospatial mHealth Data Using a Scalable Crowdsensing Platform. *Sensors*, **2020**, 20,	3.8	6
73	A personalized sensor support tool for the training of mindful walking **2018**,		6
72	Using Mobile Serious Games in the Context of Chronic Disorders: A Mobile Game Concept for the Treatment of Tinnitus **2016**,		6
71	Die KINDEX-App - ein Instrument zur Erfassung und unmittelbaren Auswertung von psychosozialen Belastungen bei Schwangeren in der t□glichen Praxis bei Gyn□kologinnen, Hebammen und in Frauenkliniken. *Verhaltenstherapie*, **2016**, 26, 171-181	0.9	6
70	Convolutional Neural Networks for Image Recognition in Mixed Reality Using Voice Command Labeling. *Lecture Notes in Computer Science*, **2019**, 63-70	0.9	6
69	Applying Machine Learning to Daily-Life Data From the TrackYourTinnitus Mobile Health Crowdsensing Platform to Predict the Mobile Operating System Used With High Accuracy: Longitudinal Observational Study. *Journal of Medical Internet Research*, **2020**, 22, e15547	7.6	6
68	TYDR **2018**,		6
67	Towards Automated Smart Mobile Crowdsensing for Tinnitus Research **2019**,		5
66	Machine Learning Findings on Geospatial Data of Users from the TrackYourStress mHealth Crowdsensing Platform **2019**,		5
65	Comprehension of business process models: Insight into cognitive strategies via eye tracking. *Expert Systems With Applications*, **2019**, 136, 145-158	7.8	5
64	Enabling Sophisticated Lifecycle Support for Mobile Healthcare Data Collection Applications. *IEEE Access*, **2019**, 7, 61204-61217	3.5	5
63	The cycle of violence as a function of PTSD and appetitive aggression: A longitudinal study with Burundian soldiers. *Aggressive Behavior*, **2020**, 46, 391-399	2.8	5
62	Finding Tinnitus Patients with Similar Evolution of Their Ecological Momentary Assessments **2018**,		5
61	An Engine Enabling Location-Based Mobile Augmented Reality Applications. *Lecture Notes in Business Information Processing*, **2015**, 363-378	0.6	5
60	Using Chatbots to Support Medical and Psychological Treatment Procedures: Challenges, Opportunities, Technologies, Reference Architecture. *Studies in Neuroscience, Psychology and Behavioral Economics*, **2019**, 249-260	1.8	5
59	Comprehensive insights into the TrackYourTinnitus database. *Procedia Computer Science*, **2020**, 175, 28-35	1.6	5
58	Contemporary Review of Smartphone Apps for Tinnitus Management and Treatment. *Brain Sciences*, **2020**, 10,	3.4	5

57	Corona Health-A Study- and Sensor-Based Mobile App Platform Exploring Aspects of the COVID-19 Pandemic. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	5
56	A Smart Mobile Assessment Tool for Collecting Data in Large-Scale Educational Studies. *Procedia Computer Science*, **2018**, 134, 67-74	1.6	5
55	Enabling Tracks in Location-Based Smart Mobile Augmented Reality Applications. *Procedia Computer Science*, **2017**, 110, 207-214	1.6	4
54	Momentary Assessment of TinnitusHow Smart Mobile Applications Advance Our Understanding of Tinnitus. *Studies in Neuroscience, Psychology and Behavioral Economics*, **2019**, 209-220	1.8	4
53	Understanding adherence to the recording of ecological momentary assessments in the example of tinnitus monitoring. *Scientific Reports*, **2020**, 10, 22459	4.9	4
52	Developing Apps for Researching the COVID-19 Pandemic with the TrackYourHealth Platform **2021** ,		4
51	Quality of Physical Activity Apps: Systematic Search in App Stores and Content Analysis. *JMIR MHealth and UHealth*, **2021**, 9, e22587	5.5	4
50	Learning to Read by Learning to Write: Evaluation of a Serious Game to Foster Business Process Model Comprehension. *JMIR Serious Games*, **2020**, 8, e15374	3.4	3
49	Robust Execution of Mobile Activities in Process-Aware Information Systems. *International Journal of Information System Modeling and Design*, **2016**, 7, 50-82	0.8	3
48	Using Insights from Cognitive Neuroscience to Investigate the Effects of Event-Driven Process Chains on Process Model Comprehension. *Lecture Notes in Business Information Processing*, **2018**, 446-459	0.6	3
47	Patient Empowerment Through Summarization of Discussion Threads on Treatments in a Patient Self-help Forum. *IFMBE Proceedings*, **2018**, 229-233	0.2	3
46	Process-Driven Data Collection with Smart Mobile Devices. *Lecture Notes in Business Information Processing*, **2015**, 347-362	0.6	3
45	Technical Challenges of a Mobile Application Supporting Intersession Processes in Psychotherapy. *Procedia Computer Science*, **2020**, 175, 261-268	1.6	3
44	The Effect of Non-Personalised Tips on the Continued Use of Self-Monitoring mHealth Applications. *Brain Sciences*, **2020**, 10,	3.4	3
43	Context-Based Assignment and Execution of Human-centric Mobile Services **2016**,		3
42	Using Big Data to Develop a Clinical Decision Support System for Tinnitus Treatment. *Current Topics in Behavioral Neurosciences*, **2021**, 51, 175-189	3.4	3
41	Entity-Level Stream Classification: Exploiting Entity Similarity to Label the Future Observations Referring to an Entity **2018**,		3
40	Utilizing the Capabilities Offered by Eye-Tracking to Foster NovicesComprehension of Business Process Models. *Lecture Notes in Computer Science*, **2018**, 155-163	0.9	3

39	Dimensionality Reduction and Subspace Clustering in Mixed Reality for Condition Monitoring of High-Dimensional Production Data. *Sensors*, **2019**, 19,	3.8	2
38	Flexible development of location-based mobile augmented reality applications with AREA. *Journal of Ambient Intelligence and Humanized Computing*, **2020**, 11, 5809-5824	3.7	2
37	Measuring Mental Effort for Creating Mobile Data Collection Applications. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	2
36	An IT Platform Enabling Remote Therapeutic Interventions **2017**,		2
35	Deep Learning End-to-End Approach for the Prediction of Tinnitus based on EEG Data. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2021**, 2021, 816-819	0.9	2
34	Experiences of Psychotherapists With Remote Psychotherapy During the COVID-19 Pandemic: Cross-sectional Web-Based Survey Study (Preprint)		2
33	Analysis of Fuel Cells Utilizing Mixed Reality and IoT Achievements. *Lecture Notes in Computer Science*, **2019**, 371-378	0.9	2
32	Lightweight Process Support with Spreadsheet-Driven Processes: A Case Study in the Finance Domain. *Lecture Notes in Business Information Processing*, **2018**, 323-334	0.6	2
31	A Configurator Component for End-User Defined Mobile Data Collection Processes. *Lecture Notes in Computer Science*, **2017**, 216-219	0.9	2
30	Circadian Conditional Granger Causalities on Ecological Momentary Assessment Data from an mHealth App **2021**,		2
29	Public Perception of the German COVID-19 Contact-Tracing App Corona-Warn-App **2021**,		2
28	Love thy Neighbours: A Framework for Error-Driven Discovery of Useful Neighbourhoods for One-Step Forecasts on EMA data **2021**,		2
27	Medical Device Regulation Efforts for mHealth Apps during the COVID-19 Pandemic: An Experience Report of Corona Check and Corona Health. *J*, **2021**, 4, 206-222	1.9	2
26	Ambalytics: A Scalable and Distributed System Architecture Concept for Bibliometric Network Analyses. *Future Internet*, **2021**, 13, 203	3.3	2
25	UNITI Mobile-EMI-Apps for a Large-Scale European Study on Tinnitus. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2021**, 2021, 2358-2362	0.9	2
24	eSano - An eHealth Platform for Internet- and Mobile-based Interventions. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2021**, 2021, 1997-2002	0.9	2
23	The AREA Algorithm Framework Enabling Location-based Mobile Augmented Reality Applications. *Procedia Computer Science*, **2019**, 155, 193-200	1.6	1
22	Towards a Conceptual Framework Fostering Process Comprehension in Healthcare **2017**,		1

21	Context-Based Prevention and Handling of Exceptions for Human-Centric Mobile Services **2017**,		1
20	Studying the Potential of Multi-target Classification to Characterize Combinations of Classes with Skewed Distribution **2017**,		1
19	Is PFS the Right Endpoint to Assess Outcome of Maintenance Studies in Multiple Myeloma? Results of a Patient Survey Highlight Quality-of-Life As an Equally Important Outcome Measure. *Blood*, **2021**, 138, 836-836	2.2	1
18	Debugging Quadrocopter Trajectories in Mixed Reality. *Lecture Notes in Computer Science*, **2019**, 43-50	0.9	1
17	Design and Evaluation of a Virtual Reality-Based Car Configuration Concept. *Advances in Intelligent Systems and Computing*, **2020**, 169-189	0.4	1
16	Predicting the Health Condition of mHealth App Users with Large Differences in the Number of Recorded Observations - Where to Learn from?. *Lecture Notes in Computer Science*, **2020**, 659-673	0.9	1
15	. *IEEE Transactions on Cognitive and Developmental Systems*, **2020**, 1-1	3	1
14	Towards the Applicability of Measuring the Electrodermal Activity in the Context of Process Model Comprehension: Feasibility Study. *Sensors*, **2020**, 20,	3.8	1
13	Effective Adoption of Tablets for Psychodiagnostic Assessments in Rural Burundi: Evidence for the Usability and Validity of Mobile Technology in the Example of Differentiating Symptom Profiles in AMISOM Soldiers 1 Year After Deployment. *Frontiers in Public Health*, **2021**, 9, 490604	6	1
12	An Albanian translation of a questionnaire for self-reported tinnitus assessment. *International Journal of Audiology*, **2021**, 1-6	2.6	1
11	Predicting the gender of individuals with tinnitus based on daily life data of the TrackYourTinnitus mHealth platform. *Scientific Reports*, **2021**, 11, 18375	4.9	1
10	Interactive System for Similarity-Based Inspection and Assessment of the Well-Being of mHealth Users.. *Entropy*, **2021**, 23,	2.8	1
9	Extraversion moderates the relationship between social media use and depression. *Journal of Affective Disorders Reports*, **2022**, 8, 100343	1.4	0
8	Exploring the Usability of the German COVID-19 Contact Tracing App in a Combined Eye Tracking and Retrospective Think Aloud Study. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2021**, 2021, 2215-2221	0.9	0
7	LAMP: a monitoring framework for mHealth application research. *Procedia Computer Science*, **2022**, 198, 203-210	1.6	
6	ProMoEE - A Lightweight Web Editor Supporting Study Research on Process Models. *Lecture Notes in Computer Science*, **2020**, 289-293	0.9	
5	Context-Based Handling of Mobile Process Activities. *Advances in Computer and Electrical Engineering Book Series*, **2019**, 144-169	0.3	
4	Reasons for Discontinuing Active Participation on the Internet Forum Tinnitus Talk: Mixed Methods Citizen Science Study. *JMIR Formative Research*, **2021**, 5, e21444	2.5	

List of Publications

3	Motivating Developers to Use Interoperable Standards for Data in Pandemic Health Apps. *Studies in Health Technology and Informatics*, **2021**, 281, 1027-1028	0.5
2	Literature-based requirements analysis review of persuasive systems design for mental health applications. *Procedia Computer Science*, **2021**, 191, 143-150	1.6
1	Towards a Beacon-based Situational Prioritization Framework for Process-Aware Information Systems. *Procedia Computer Science*, **2018**, 134, 153-160	1.6