

Tobias Kowatsch

List of Publications by Year in descending order

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Version: 2024-02-01

92
papers

3,490
citations

279487

23
h-index

205818

48
g-index

132
all docs

132
docs citations

132
times ranked

3625
citing authors

#	ARTICLE	IF	CITATIONS
1	See you soon again, chatbot? A design taxonomy to characterize user-chatbot relationships with different time horizons. <i>Computers in Human Behavior</i> , 2022, 127, 107043.	5.1	34
2	Engagement With a Mobile Phoneâ€“Based Life Skills Intervention for Adolescents and Its Association With Participant Characteristics and Outcomes: Tree-Based Analysis. <i>Journal of Medical Internet Research</i> , 2022, 24, e28638.	2.1	8
3	Digital Behavior Change Interventions for the Prevention and Management of Type 2 Diabetes: Systematic Market Analysis. <i>Journal of Medical Internet Research</i> , 2022, 24, e33348.	2.1	15
4	Scale-up of Digital Innovations in Health Care: Expert Commentary on Enablers and Barriers. <i>Journal of Medical Internet Research</i> , 2022, 24, e24582.	2.1	31
5	Increasing the Effectiveness of a Physical Activity Smartphone Intervention With Positive Suggestions: Randomized Controlled Trial. <i>Journal of Medical Internet Research</i> , 2022, 24, e32130.	2.1	6
6	Implementation of a Novel Medication Regimen Following Cardiac Rehabilitation: an Application of the Health Action Process Approach. <i>International Journal of Behavioral Medicine</i> , 2022, , 1.	0.8	0
7	HEALTHI: Workshop on Intelligent Healthy Interfaces. , 2022, , .		0
8	Factors Influencing Adherence to mHealth Apps for Prevention or Management of Noncommunicable Diseases: Systematic Review. <i>Journal of Medical Internet Research</i> , 2022, 24, e35371.	2.1	92
9	The Effects of Health Care Chatbot Personas With Different Social Roles on the Client-Chatbot Bond and Usage Intentions: Development of a Design Codebook and Web-Based Study. <i>Journal of Medical Internet Research</i> , 2022, 24, e32630.	2.1	18
10	To What Scale Are Conversational Agents Used by Top-funded Companies Offering Digital Mental Health Services for Depression?. , 2021, , .		4
11	Are Conversational Agents Used at Scale by Companies Offering Digital Health Services for the Management and Prevention of Diabetes?., 2021, , .		1
12	Changing personality traits with the help of a digital personality change intervention. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	108
13	A Digital Health Intervention (SweetGoals) for Young Adults With Type 1 Diabetes: Protocol for a Factorial Randomized Trial. <i>JMIR Research Protocols</i> , 2021, 10, e27109.	0.5	9
14	Hybrid Ubiquitous Coaching With a Novel Combination of Mobile and Holographic Conversational Agents Targeting Adherence to Home Exercises: Four Design and Evaluation Studies. <i>Journal of Medical Internet Research</i> , 2021, 23, e23612.	2.1	23
15	Conversational Agents as Mediating Social Actors in Chronic Disease Management Involving Health Care Professionals, Patients, and Family Members: Multisite Single-Arm Feasibility Study. <i>Journal of Medical Internet Research</i> , 2021, 23, e25060.	2.1	55
16	Physiological Responses and User Feedback on a Gameful Breathing Training App: Within-Subject Experiment. <i>JMIR Serious Games</i> , 2021, 9, e22802.	1.7	10
17	Voice-Based Conversational Agents for the Prevention and Management of Chronic and Mental Health Conditions: Systematic Literature Review. <i>Journal of Medical Internet Research</i> , 2021, 23, e25933.	2.1	43
18	Long-term Effectiveness of mHealth Physical Activity Interventions: Systematic Review and Meta-analysis of Randomized Controlled Trials. <i>Journal of Medical Internet Research</i> , 2021, 23, e26699.	2.1	71

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19	Computer Mouse Movements as an Indicator of Work Stress: Longitudinal Observational Field Study. <i>Journal of Medical Internet Research</i> , 2021, 23, e27121.	2.1	12
20	Personalization of Conversational Agent-Patient Interaction Styles for Chronic Disease Management: Two Consecutive Cross-sectional Questionnaire Studies. <i>Journal of Medical Internet Research</i> , 2021, 23, e26643.	2.1	8
21	Public Perceptions of Diabetes, Healthy Living, and Conversational Agents in Singapore: Needs Assessment. <i>JMIR Formative Research</i> , 2021, 5, e30435.	0.7	9
22	Detecting Receptivity for mHealth Interventions in the Natural Environment. , 2021, 5, 1-24.		33
23	SIMON: A Digital Protocol to Monitor and Predict Suicidal Ideation. <i>Frontiers in Psychiatry</i> , 2021, 12, 554811.	1.3	18
24	The Impact of a Gameful Breathing Training Visualization on Intrinsic Experiential Value, Perceived Effectiveness, and Engagement Intentions: Between-Subject Online Experiment. <i>JMIR Serious Games</i> , 2021, 9, e22803.	1.7	4
25	Just-in-Time Adaptive Mechanisms of Popular Mobile Apps for Individuals With Depression: Systematic App Search and Literature Review. <i>Journal of Medical Internet Research</i> , 2021, 23, e29412.	2.1	22
26	Deliberative and Paternalistic Interaction Styles for Conversational Agents in Digital Health: Procedure and Validation Through a Web-Based Experiment. <i>Journal of Medical Internet Research</i> , 2021, 23, e22919.	2.1	4
27	Face(book)ing the Truth: Initial Lessons Learned using Facebook Advertisements for the Chatbot-delivered Elena+ Care for COVID-19 Intervention. , 2021, , .		2
28	Digital Health Interventions. , 2021, , 71-95.		6
29	FLIRT: A feature generation toolkit for wearable data. <i>Computer Methods and Programs in Biomedicine</i> , 2021, 212, 106461.	2.6	21
30	Elena+ Care for COVID-19, a Pandemic Lifestyle Care Intervention: Intervention Design and Study Protocol. <i>Frontiers in Public Health</i> , 2021, 9, 625640.	1.3	9
31	Reliability of Commercial Voice Assistants' Responses to Health-Related Questions in Noncommunicable Disease Management: Factorial Experiment Assessing Response Rate and Source of Information. <i>Journal of Medical Internet Research</i> , 2021, 23, e32161.	2.1	3
32	The Potential of Ecological Momentary Assessments in the Prediction of Suicidal Ideation: A Feasibility Study. <i>Biological Psychiatry</i> , 2020, 87, S451.	0.7	0
33	How Are Personality States Associated with Smartphone Data?. <i>European Journal of Personality</i> , 2020, 34, 687-713.	1.9	16
34	<p>Characteristics of Asthma-related Nocturnal Cough: A Potential New Digital Biomarker</p>. <i>Journal of Asthma and Allergy</i> , 2020, Volume 13, 649-657.	1.5	11
35	Which Components of a Smartphone Walking App Help Users to Reach Personalized Step Goals? Results From an Optimization Trial. <i>Annals of Behavioral Medicine</i> , 2020, 54, 518-528.	1.7	55
36	Who wants to become more conscientious, more extraverted, or less neurotic with the help of a digital intervention?. <i>Journal of Research in Personality</i> , 2020, 87, 103983.	0.9	10

#	ARTICLE	IF	CITATIONS
37	The social meaning of steps: user reception of a mobile health intervention on physical activity. Critical Public Health, 2020, , 1-12.	1.4	3
38	Towards Wearable-based Hypoglycemia Detection and Warning in Diabetes. , 2020, , .		17
39	<p>Nocturnal Cough and Sleep Quality to Assess Asthma Control and Predict Attacks</p>. Journal of Asthma and Allergy, 2020, Volume 13, 669-678.	1.5	15
40	A Smartphone-Based Health Care Chatbot to Promote Self-Management of Chronic Pain (SELMA): Pilot Randomized Controlled Trial. JMIR MHealth and UHealth, 2020, 8, e15806.	1.8	144
41	Assessment of the Efficacy of a Mobile Phoneâ€œDelivered Just-in-Time Planning Intervention to Reduce Alcohol Use in Adolescents: Randomized Controlled Crossover Trial. JMIR MHealth and UHealth, 2020, 8, e16937.	1.8	18
42	Conversational Agents in Health Care: Scoping Review and Conceptual Analysis. Journal of Medical Internet Research, 2020, 22, e17158.	2.1	259
43	Automatic Recognition, Segmentation, and Sex Assignment of Nocturnal Asthmatic Coughs and Cough Epochs in Smartphone Audio Recordings: Observational Field Study. Journal of Medical Internet Research, 2020, 22, e18082.	2.1	30
44	Swiss Francs Seem to Make Insured Move: Comparing Daily and Monthly Financial Incentives of a Scalable Digital Health Intervention. , 2020, , .		2
45	The Doctor Will See Yourself Now: Review and Discussion of a Mass-market Self-service Technology for Medical Advice. , 2020, , .		5
46	The anatomy of asthma-related nocturnal cough â€œ a potential new digital biomarker. , 2020, , .		1
47	Improving heart rate variability measurements from consumer smartwatches with machine learning. , 2019, , .		13
48	A Cluster-Randomized Trial on Small Incentives to Promote Physical Activity. American Journal of Preventive Medicine, 2019, 56, e45-e54.	1.6	16
49	Prevalence of nocturnal cough in asthma and its potential as a marker for asthma control (MAC) in combination with sleep quality: protocol of a smartphone-based, multicentre, longitudinal observational study with two stages. BMJ Open, 2019, 9, e026323.	0.8	22
50	Towards Device-Agnostic Mobile Cough Detection with Convolutional Neural Networks. , 2019, , .		44
51	A design and evaluation framework for digital health interventions. IT - Information Technology, 2019, 61, 253-263.	0.6	64
52	Poster: DyMand – An Open-Source Mobile and Wearable System for Assessing Couples' Dyadic Management of Chronic Diseases. , 2019, , .		3
53	VADLite. , 2019, , .		4
54	Exploring the State-of-Receptivity for mHealth Interventions. , 2019, 3, 1-27.		40

#	ARTICLE	IF	CITATIONS
55	Breeze. , 2019, 3, 1-30.		42
56	Investigating Intervention Components and Exploring States of Receptivity for a Smartphone App to Promote Physical Activity: Protocol of a Microrandomized Trial. JMIR Research Protocols, 2019, 8, e11540.	0.5	53
57	Social Support and Common Dyadic Coping in Couples' Dyadic Management of Type II Diabetes: Protocol for an Ambulatory Assessment Application. JMIR Research Protocols, 2019, 8, e13685.	0.5	12
58	Die digitale Pille für chronische Krankheiten. , 2019, , 205-231.		0
59	PEACH, a smartphone- and conversational agent-based coaching intervention for intentional personality change: study protocol of a randomized, wait-list controlled trial. BMC Psychology, 2018, 6, 43.	0.9	47
60	Moderators of outcome in a technology-based intervention to prevent and reduce problem drinking among adolescents. Addictive Behaviors, 2017, 72, 64-71.	1.7	19
61	Efficacy of a technology-based, integrated smoking cessation and alcohol intervention for smoking cessation in adolescents: Results of a cluster-randomised controlled trial. Journal of Substance Abuse Treatment, 2017, 82, 55-66.	1.5	29
62	Efficacy of mobile context-aware notification management systems: A systematic literature review and meta-analysis. , 2017, , .		14
63	Design and Evaluation of a Mobile Chat App for the Open Source Behavioral Health Intervention Platform MobileCoach. Lecture Notes in Computer Science, 2017, , 485-489.	1.0	53
64	Efficacy of a web- and text messaging-based intervention to reduce problem drinking in adolescents: Results of a cluster-randomized controlled trial.. Journal of Consulting and Clinical Psychology, 2017, 85, 147-159.	1.6	75
65	Using Feedback to Promote Physical Activity: The Role of the Feedback Sign. Journal of Medical Internet Research, 2017, 19, e192.	2.1	9
66	Toward the Design of Evidence-Based Mental Health Information Systems for People With Depression: A Systematic Literature Review and Meta-Analysis. Journal of Medical Internet Research, 2017, 19, e191.	2.1	41
67	Engagement Within a Mobile Phone-Based Smoking Cessation Intervention for Adolescents and its Association With Participant Characteristics and Outcomes. Journal of Medical Internet Research, 2017, 19, e356.	2.1	30
68	The Potential of Mobile Apps for Improving Asthma Self-Management: A Review of Publicly Available and Well-Adopted Asthma Apps. JMIR MHealth and UHealth, 2017, 5, e113.	1.8	137
69	A Mobile Phone-Based Life Skills Training Program for Substance Use Prevention Among Adolescents: Pre-Post Study on the Acceptance and Potential Effectiveness of the Program, Ready4life. JMIR MHealth and UHealth, 2017, 5, e143.	1.8	30
70	Personal MobileCoach. , 2016, , .		5
71	Mobile Sensing and Support for People With Depression: A Pilot Trial in the Wild. JMIR MHealth and UHealth, 2016, 4, e111.	1.8	229
72	Effects of Charitable Versus Monetary Incentives on the Acceptance of and Adherence to a Pedometer-Based Health Intervention: Study Protocol and Baseline Characteristics of a Cluster-Randomized Controlled Trial. JMIR Research Protocols, 2016, 5, e181.	0.5	6

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73	Finding the Middle Ground - A Model for Planning Satisficing Answers. , 2016, , .		0
74	Smartphone use and smartphone addiction among young people in Switzerland. Journal of Behavioral Addictions, 2015, 4, 299-307.	1.9	571
75	Blissfully ignorant: the effects of general privacy concerns, general institutional trust, and affect in the privacy calculus. Information Systems Journal, 2015, 25, 607-635.	4.1	238
76	MobileCoach: A novel open source platform for the design of evidence-based, scalable and low-cost behavioral health interventions: Overview and preliminary evaluation in the public health context. , 2015, , .		47
77	Efficacy of an internet and SMS-based integrated smoking cessation and alcohol intervention for smoking cessation in young people: study protocol of a two-arm cluster randomised controlled trial. BMC Public Health, 2014, 14, 1140.	1.2	28
78	The Sales Velocity Effect on Retailing. Journal of Interactive Marketing, 2014, 28, 237-256.	4.3	7
79	Efficacy of a web- and text messaging-based intervention to reduce problem drinking in young people: study protocol of a cluster-randomised controlled trial. BMC Public Health, 2014, 14, 809.	1.2	23
80	Tell Me What to Eat “ Design and Evaluation of a Mobile Companion Helping Children and Their Parents to Plan Nutrition Intake. Lecture Notes in Computer Science, 2014, , 100-113.	1.0	5
81	Mobile Purchase Decision Support Systems for In-Store Shopping Environments. , 2013, , 1339-1357.		0
82	Critical Privacy Factors of Internet of Things Services: An Empirical Investigation with Domain Experts. Lecture Notes in Business Information Processing, 2012, , 200-211.	0.8	22
83	Product Recommendation Agents for Cyber Shopping Consumers. , 2012, , 586-599.		0
84	The role of product reviews on mobile devices for in-store purchases: consumers' usage intentions, costs and store preferences. International Journal of Internet Marketing and Advertising, 2011, 6, 226.	0.1	17
85	A design model for knowledge-based pricing services in the retail industry. International Journal of Web Engineering and Technology, 2011, 6, 302.	0.1	1
86	Effects of External Conceptual Models and Verbal Explanations on Shared Understanding in Small Groups. Lecture Notes in Computer Science, 2011, , 92-103.	1.0	5
87	In-store consumer behavior: How mobile recommendation agents influence usage intentions, product purchases, and store preferences. Computers in Human Behavior, 2010, 26, 697-704.	5.1	133
88	Towards a transition to tangible commerce. , 2010, , .		0
89	A Methodology for Content-Centered Design of Ambient Environments. Lecture Notes in Computer Science, 2010, , 210-225.	1.0	3
90	Linkage of Heterogeneous Knowledge Resources within In-Store Dialogue Interaction. Lecture Notes in Computer Science, 2010, , 145-160.	1.0	1

#	ARTICLE	IF	CITATIONS
91	Knowledge-Based Bundling of Smart Products on a Mobile Recommendation Agent. , 2008, , .		10
92	Mobile Purchase Decision Support Systems for In-Store Shopping Environments. Advances in Marketing, Customer Relationship Management, and E-services Book Series, 0, , 270-288.	0.7	1