

Joseph A Cafazzo

List of Publications by Year in descending order

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Version: 2024-02-01

106
papers

4,817
citations

126907

33
h-index

118850

62
g-index

140
all docs

140
docs citations

140
times ranked

7430
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of an mHealth App for the Self-management of Adolescent Type 1 Diabetes: A Pilot Study. <i>Journal of Medical Internet Research</i> , 2012, 14, e70.	4.3	554
2	A game plan: Gamification design principles in mHealth applications for chronic disease management. <i>Health Informatics Journal</i> , 2016, 22, 184-193.	2.1	298
3	Mobile Phone-Based Telemonitoring for Heart Failure Management: A Randomized Controlled Trial. <i>Journal of Medical Internet Research</i> , 2012, 14, e31.	4.3	261
4	Mobile Phone-Based Remote Patient Monitoring System for Management of Hypertension in Diabetic Patients. <i>American Journal of Hypertension</i> , 2007, 20, 942-948.	2.0	211
5	Effect of Home Blood Pressure Telemonitoring With Self-Care Support on Uncontrolled Systolic Hypertension in Diabetics. <i>Hypertension</i> , 2012, 60, 51-57.	2.7	171
6	Beyond the Randomized Controlled Trial: A Review of Alternatives in mHealth Clinical Trial Methods. <i>JMIR MHealth and UHealth</i> , 2016, 4, e107.	3.7	148
7	Perceptions and Experiences of Heart Failure Patients and Clinicians on the Use of Mobile Phone-Based Telemonitoring. <i>Journal of Medical Internet Research</i> , 2012, 14, e25.	4.3	119
8	Implementation and preliminary effectiveness of a real-time pain management smartphone app for adolescents with cancer: A multicenter pilot clinical study. <i>Pediatric Blood and Cancer</i> , 2017, 64, e26554.	1.5	114
9	A Mobile App for the Self-Management of Type 1 Diabetes Among Adolescents: A Randomized Controlled Trial. <i>JMIR MHealth and UHealth</i> , 2017, 5, e82.	3.7	110
10	The Systematic Design of a Behavioural Mobile Health Application for the Self-Management of Type 2 Diabetes. <i>Canadian Journal of Diabetes</i> , 2016, 40, 95-104.	0.8	105
11	Patient-Perceived Barriers to the Adoption of Nocturnal Home Hemodialysis. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2009, 4, 784-789.	4.5	104
12	A Library of Analytic Indicators to Evaluate Effective Engagement with Consumer mHealth Apps for Chronic Conditions: Scoping Review. <i>JMIR MHealth and UHealth</i> , 2019, 7, e11941.	3.7	102
13	From Discovery to Design: The Evolution of Human Factors in Healthcare. <i>Healthcare Quarterly</i> , 2012, 15, 24-29.	0.7	101
14	Attitudes of Heart Failure Patients and Health care Providers towards Mobile Phone-Based Remote Monitoring. <i>Journal of Medical Internet Research</i> , 2010, 12, e55.	4.3	98
15	Integrating a Smartphone-Based Self-Management System into Usual Care of Advanced CKD. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2016, 11, 1054-1062.	4.5	90
16	Mobile phone health apps for diabetes management: Current evidence and future developments. <i>QJM - Monthly Journal of the Association of Physicians</i> , 2013, 106, 1067-1069.	0.5	88
17	Development of a mHealth Real-Time Pain Self-Management App for Adolescents With Cancer: An Iterative Usability Testing Study. <i>Journal of Pediatric Oncology Nursing</i> , 2017, 34, 283-294.	1.5	88
18	Developing healthcare rule-based expert systems: Case study of a heart failure telemonitoring system. <i>International Journal of Medical Informatics</i> , 2012, 81, 556-565.	3.3	84

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19	Patient Adherence to a Mobile Phone-Based Heart Failure Telemonitoring Program: A Longitudinal Mixed-Methods Study. JMIR MHealth and UHealth, 2019, 7, e13259.	3.7	79
20	Outcomes of a Heart Failure Telemonitoring Program Implemented as the Standard of Care in an Outpatient Heart Function Clinic: Pretest-Posttest Pragmatic Study. Journal of Medical Internet Research, 2020, 22, e16538.	4.3	79
21	A Smartphone-Based Pain Management App for Adolescents With Cancer: Establishing System Requirements and a Pain Care Algorithm Based on Literature Review, Interviews, and Consensus. JMIR Research Protocols, 2014, 3, e15.	1.0	70
22	Self-care and Quality of Life of Heart Failure Patients at a Multidisciplinary Heart Function Clinic. Journal of Cardiovascular Nursing, 2011, 26, 377-385.	1.1	69
23	Mitigating errors caused by interruptions during medication verification and administration: interventions in a simulated ambulatory chemotherapy setting. BMJ Quality and Safety, 2014, 23, 884-892.	3.7	68
24	Psychological and Physical Interventions for the Management of Cancer-Related Pain in Pediatric and Young Adult Patients: An Integrative Review. Oncology Nursing Forum, 2015, 42, E339-E357.	1.2	68
25	Examining nursing vital signs documentation workflow: barriers and opportunities in general internal medicine units. Journal of Clinical Nursing, 2012, 21, 975-982.	3.0	62
26	Evaluating the Implementation of a Mobile Phone-Based Telemonitoring Program: Longitudinal Study Guided by the Consolidated Framework for Implementation Research. JMIR MHealth and UHealth, 2018, 6, e10768.	3.7	59
27	A Patient-Centered Mobile Health System That Supports Asthma Self-Management (breathe): Design, Development, and Utilization. JMIR MHealth and UHealth, 2019, 7, e10956.	3.7	55
28	The impact of traditional and smart pump infusion technology on nurse medication administration performance in a simulated inpatient unit. BMJ Quality and Safety, 2010, 19, 430-434.	3.7	47
29	The Use of Behavior Change Theory in Internet-Based Asthma Self-Management Interventions: A Systematic Review. Journal of Medical Internet Research, 2015, 17, e89.	4.3	47
30	Usability Evaluation of a Mobile Phone-Based System for Remote Monitoring and Management of Chemotherapy-Related Side Effects in Cancer Patients: Mixed-Methods Study. JMIR Cancer, 2018, 4, e10932.	2.4	46
31	Prospective registration and reporting of trial number in randomised clinical trials: global cross sectional study of the adoption of ICMJE and Declaration of Helsinki recommendations. BMJ, The, 2020, 369, m982.	6.0	44
32	iCanCope PostOp: User-Centered Design of a Smartphone-Based App for Self-Management of Postoperative Pain in Children and Adolescents. JMIR Formative Research, 2019, 3, e12028.	1.4	41
33	The use of human factors methods to identify and mitigate safety issues in radiation therapy. Radiotherapy and Oncology, 2010, 97, 596-600.	0.6	40
34	Personal Protective Equipment for Infectious Disease Preparedness: A Human Factors Evaluation. Infection Control and Hospital Epidemiology, 2016, 37, 1022-1028.	1.8	40
35	Applying usability heuristics to radiotherapy systems. Radiotherapy and Oncology, 2012, 102, 142-147.	0.6	38
36	Perceptions of Adolescents With Cancer Related to a Pain Management App and Its Evaluation: Qualitative Study Nested Within a Multicenter Pilot Feasibility Study. JMIR MHealth and UHealth, 2018, 6, e80.	3.7	37

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37	Perception of eye contact in video teleconsultation. <i>Journal of Telemedicine and Telecare</i> , 2007, 13, 35-39.	2.7	36
38	Self-management of non-communicable diseases in low- and middle-income countries: A scoping review. <i>PLoS ONE</i> , 2019, 14, e0219141.	2.5	35
39	Uptake of a Consumer-Focused mHealth Application for the Assessment and Prevention of Heart Disease: The <30 Days Study. <i>JMIR MHealth and UHealth</i> , 2016, 4, e32.	3.7	34
40	Technological aspects of hospital communication challenges: an observational study. <i>International Journal for Quality in Health Care</i> , 2015, 27, 183-188.	1.8	33
41	Patient perceptions of remote monitoring for nocturnal home hemodialysis. <i>Hemodialysis International</i> , 2010, 14, 471-477.	0.9	30
42	Nonpublication Rates and Characteristics of Registered Randomized Clinical Trials in Digital Health: Cross-Sectional Analysis. <i>Journal of Medical Internet Research</i> , 2018, 20, e11924.	4.3	29
43	The usability of ventilators: a comparative evaluation of use safety and user experience. <i>Critical Care</i> , 2016, 20, 263.	5.8	27
44	Telemanagement of hypertension: A qualitative assessment of patient and physician preferences. <i>Canadian Journal of Cardiology</i> , 2007, 23, 591-594.	1.7	26
45	Capturing Daily Disease Experiences of Adolescents With Chronic Pain: mHealth-Mediated Symptom Tracking. <i>JMIR MHealth and UHealth</i> , 2019, 7, e11838.	3.7	26
46	Patients' experiences with learning a complex medical device for the self-administration of nocturnal home hemodialysis. <i>Nephrology Nursing Journal</i> , 2009, 36, 27-32.	0.2	26
47	Virtual care models for cancer survivorship. <i>Npj Digital Medicine</i> , 2020, 3, 113.	10.9	25
48	ORDER SETS IN HEALTH CARE: A SYSTEMATIC REVIEW OF THEIR EFFECTS. <i>International Journal of Technology Assessment in Health Care</i> , 2012, 28, 235-240.	0.5	24
49	User-Centered Adaptation of an Existing Heart Failure Telemonitoring Program to Ensure Sustainability and Scalability: Qualitative Study. <i>JMIR Cardio</i> , 2018, 2, e11466.	1.7	23
50	Use of Free-Living Step Count Monitoring for Heart Failure Functional Classification: Validation Study. <i>JMIR Cardio</i> , 2019, 3, e12122.	1.7	23
51	Evaluation of a Behavioral Mobile Phone App Intervention for the Self-Management of Type 2 Diabetes: Randomized Controlled Trial Protocol. <i>JMIR Research Protocols</i> , 2016, 5, e174.	1.0	23
52	The Impact of Environmental Design on Doffing Personal Protective Equipment in a Healthcare Environment: A Formative Human Factors Trial. <i>Infection Control and Hospital Epidemiology</i> , 2017, 38, 712-717.	1.8	22
53	An Analytics Platform to Evaluate Effective Engagement With Pediatric Mobile Health Apps: Design, Development, and Formative Evaluation. <i>JMIR MHealth and UHealth</i> , 2018, 6, e11447.	3.7	21
54	Evaluation of Digital Technologies Tailored to Support Young People's Self-Management of Musculoskeletal Pain: Mixed Methods Study. <i>Journal of Medical Internet Research</i> , 2020, 22, e18315.	4.3	21

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55	Adoption, Acceptability, and Effectiveness of a Mobile Health App for Personalized Prostate Cancer Survivorship Care: Protocol for a Realist Case Study of the Ned App. JMIR Research Protocols, 2017, 6, e197.	1.0	21
56	The Need for Ethnoracial Equity in Artificial Intelligence for Diabetes Management: Review and Recommendations. Journal of Medical Internet Research, 2021, 23, e22320.	4.3	20
57	Challenges and Paradoxes of Human Factors in Health Technology Design. JMIR Human Factors, 2016, 3, e11.	2.0	20
58	A Digital-First Model of Diabetes Care. Diabetes Technology and Therapeutics, 2019, 21, S2-52-S2-58.	4.4	18
59	The Challenges of COVID-19 for People Living With Diabetes: Considerations for Digital Health. JMIR Diabetes, 2020, 5, e19581.	1.9	18
60	What do you mean by engagement? â€œ evaluating the use of community engagement in the design and implementation of chronic disease-based interventions for Indigenous populations â€œ scoping review. International Journal for Equity in Health, 2021, 20, 8.	3.5	17
61	Improving Hospital Care and Collaborative Communications for the 21st Century: Key Recommendations for General Internal Medicine. Interactive Journal of Medical Research, 2012, 1, e9.	1.4	17
62	A contact-free respiration monitor for smart bed and ambulatory monitoring applications. , 2010, 2010, 927-30.		16
63	Turning challenges into design principles: Telemonitoring systems for patients with multiple chronic conditions. Health Informatics Journal, 2019, 25, 1188-1200.	2.1	16
64	Self-Management and Clinical Decision Support for Patients With Complex Chronic Conditions Through the Use of Smartphone-Based Telemonitoring: Randomized Controlled Trial Protocol. JMIR Research Protocols, 2017, 6, e229.	1.0	16
65	Internet use by end-stage renal disease patients. Hemodialysis International, 2007, 11, 328-332.	0.9	15
66	Digital Applications Targeting Medication Safety in Ambulatory High-Risk CKD Patients. Clinical Journal of the American Society of Nephrology: CJASN, 2021, 16, 532-542.	4.5	15
67	Development of a Wearable Cardiac Monitoring System for Behavioral Neurocardiac Training: A Usability Study. JMIR MHealth and UHealth, 2016, 4, e45.	3.7	15
68	Implementation and Evaluation of a Smartphone-Based Telemonitoring Program for Patients With Heart Failure: Mixed-Methods Study Protocol. JMIR Research Protocols, 2018, 7, e121.	1.0	15
69	The user-centered approach in the development of a complex hospital-at-home intervention. Studies in Health Technology and Informatics, 2009, 143, 328-33.	0.3	14
70	Supporting the Establishment of New Home Dialysis Programs Through the Explore Home Dialysis Program. Kidney International Reports, 2019, 4, 293-300.	0.8	13
71	Image Quality Assurance of Soft Copy Display Systems. Journal of Digital Imaging, 2005, 18, 280-286.	2.9	12
72	UK and Canadian perspectives of the effectiveness of mobile diabetes management systems. , 2009, 2009, 6584-7.		12

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73	Implementation and Optimization of Smart Infusion Systems: Are we Reaping the Safety Benefits?. Journal for Healthcare Quality: Official Publication of the National Association for Healthcare Quality, 2013, 35, 33-40.	0.7	12
74	Advancement of the Artificial Pancreas through the Development of Interoperability Standards. Journal of Diabetes Science and Technology, 2013, 7, 1066-1070.	2.2	12
75	Virtual care for prostate cancer survivorship: protocol for an evaluation of a nurse-led algorithm-enhanced virtual clinic implemented at five cancer centres across Canada. BMJ Open, 2021, 11, e045806.	1.9	12
76	Implementation of a Heart Failure Telemonitoring System in Home Care Nursing: Feasibility Study. JMIR Medical Informatics, 2019, 7, e11722.	2.6	12
77	Assessing the Use of Wrist-Worn Devices in Patients With Heart Failure: Feasibility Study. JMIR Cardio, 2017, 1, e8.	1.7	12
78	Investigating the Use of Mobile Health Interventions in Vulnerable Populations for Cardiovascular Disease Management: Scoping Review. JMIR MHealth and UHealth, 2019, 7, e14275.	3.7	11
79	In the Loop: The Organization of Team-Based Communication in a Patient-Centered Clinical Collaboration System. JMIR Human Factors, 2016, 3, e12.	2.0	11
80	The Perceived Ease of Use and Usefulness of Loop: Evaluation and Content Analysis of a Web-Based Clinical Collaboration System. JMIR Human Factors, 2018, 5, e2.	2.0	11
81	Challenges of Telemonitoring Programs for Complex Chronic Conditions: Randomized Controlled Trial With an Embedded Qualitative Study. Journal of Medical Internet Research, 2022, 24, e31754.	4.3	11
82	A mobile phone based remote patient monitoring system for chronic disease management. Studies in Health Technology and Informatics, 2007, 129, 167-71.	0.3	8
83	A ResearchKit app to deliver paediatric electronic consent: Protocol of an observational study in adolescents with arthritis. Contemporary Clinical Trials Communications, 2020, 17, 100525.	1.1	7
84	User-centered design features for digital health applications to support physical activity behaviors in solid organ transplant recipients: A qualitative study. Clinical Transplantation, 2021, 35, e14472.	1.6	7
85	The Service of Research Analytics to Optimize Digital Health Evidence Generation: Multilevel Case Study. Journal of Medical Internet Research, 2019, 21, e14849.	4.3	7
86	Digital video for the documentation of colonoscopy. Gastrointestinal Endoscopy, 2004, 60, 580-584.	1.0	5
87	Bridging the Self-care Deficit Gap: Remote Patient Monitoring and the Hospital-at-Home. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2008, , 66-73.	0.3	5
88	Designing a Framework for Remote Cancer Care Through Community Co-design: Participatory Development Study. Journal of Medical Internet Research, 2022, 24, e29492.	4.3	5
89	Effectiveness of asynchronous tele-endoscopy. Gastrointestinal Endoscopy, 2010, 71, 461-467.e2.	1.0	4
90	Evaluation of a Clinical Tool to Test and Adjust the Programmed Overnight Basal Profiles for Insulin Pump Therapy: A Pilot Study. Canadian Journal of Diabetes, 2015, 39, 364-372.	0.8	4

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91	Lived Experiences and Technological Literacy of Heart Failure Patients and Clinicians at a Cardiac Care Centre in Uganda. <i>Annals of Global Health</i> , 2020, 86, 85.	2.0	4
92	The hospital at home: advances in remote patient monitoring. <i>Biomedical Instrumentation and Technology</i> , 2010, Suppl Home Healthcare, 47-52.	0.4	4
93	Genomic Health Literacy Interventions in Pediatrics: Scoping Review. <i>Journal of Medical Internet Research</i> , 2021, 23, e26684.	4.3	4
94	Usability of a Diabetes Telemanagement System. <i>Journal of Clinical Engineering</i> , 2009, 34, 147-151.	0.1	3
95	Qualitative studies enrich telemonitoring research, practice, and technology design. <i>Primary Care Respiratory Journal: Journal of the General Practice Airways Group</i> , 2012, 21, 10-11.	2.3	3
96	Design and evaluation of a safety-centered user interface for radiation therapy. <i>Practical Radiation Oncology</i> , 2018, 8, e346-e354.	2.1	3
97	Engaging Patients in Online Self-Care Technologies for Chronic Disease Management. <i>Healthcare Quarterly</i> , 2016, 18, 55-61.	0.7	3
98	Development and usability testing of HEARTPA™: protocol for a mixed methods strategy to develop an integrated smartphone and web-based intervention for women with cardiac pain. <i>BMJ Open</i> , 2020, 10, e033092.	1.9	2
99	Patient-Generated Data Analytics of Health Behaviors of People Living With Type 2 Diabetes: Scoping Review. <i>JMIR Diabetes</i> , 2021, 6, e29027.	1.9	2
100	Comparative evaluation of an ambulatory EEG platform vs. clinical gold standard. , 2013, 2013, 1222-5.		1
101	The Consumer Health Gap: Are We innovating for the Future, or Simply Addressing the Past?. <i>HealthcarePapers</i> , 2014, 13, 27-31.	0.3	1
102	3424 Development of a low-cost picture archive and communication system for endoscopy using the dicom standard.. <i>Gastrointestinal Endoscopy</i> , 2000, 51, AB88.	1.0	0
103	Use of a Self-Management Mobile Application by Adolescents with Type 1 Diabetes. <i>Canadian Journal of Diabetes</i> , 2016, 40, S65-S66.	0.8	0
104	Design for digital health. , 2020, , 47-65.		0
105	Defending Against Medical Error: Personal Reflections on the Legacy of John Senders. <i>Human Factors</i> , 2021, , 001872082110334.	3.5	0
106	Prospective trial registration and publication rates of randomized clinical trials in digital health: A cross-sectional analysis of global trial registries. <i>Digital Health</i> , 2022, 8, 205520762210900.	1.8	0