

# Hans-Ulrich Prokosch

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70  
papers

455  
citations

10  
h-index

20  
g-index

89  
ext. papers

772  
ext. citations

2.7  
avg, IF

3.94  
L-index

#	Paper	IF	Citations
70	A scoping review of cloud computing in healthcare. <i>BMC Medical Informatics and Decision Making</i> , <b>2015</b> , 15, 17	3.6	101
69	Employing computers for the recruitment into clinical trials: a comprehensive systematic review. <i>Journal of Medical Internet Research</i> , <b>2014</b> , 16, e161	7.6	54
68	MIRACUM: Medical Informatics in Research and Care in University Medicine. <i>Methods of Information in Medicine</i> , <b>2018</b> , 57, e82-e91	1.5	34
67	Integrating clinical decision support systems for pharmacogenomic testing into clinical routine - a scoping review of designs of user-system interactions in recent system development. <i>BMC Medical Informatics and Decision Making</i> , <b>2017</b> , 17, 81	3.6	31
66	Comparison of electronic health record system functionalities to support the patient recruitment process in clinical trials. <i>International Journal of Medical Informatics</i> , <b>2014</b> , 83, 860-8	5.3	25
65	Reduced Rate of Inpatient Hospital Admissions in 18 German University Hospitals During the COVID-19 Lockdown. <i>Frontiers in Public Health</i> , <b>2020</b> , 8, 594117	6	24
64	Reference Interval Estimation from Mixed Distributions using Truncation Points and the Kolmogorov-Smirnov Distance (kosmic). <i>Scientific Reports</i> , <b>2020</b> , 10, 1704	4.9	20
63	KETOS: Clinical decision support and machine learning as a service - A training and deployment platform based on Docker, OMOP-CDM, and FHIR Web Services. <i>PLoS ONE</i> , <b>2019</b> , 14, e0223010	3.7	12
62	A Digital Cognitive Aid for Anesthesia to Support Intraoperative Crisis Management: Results of the User-Centered Design Process. <i>JMIR MHealth and UHealth</i> , <b>2019</b> , 7, e13226	5.5	12
61	User-centered design of a mobile medication management. <i>Informatics for Health and Social Care</i> , <b>2019</b> , 44, 152-163	2.7	10
60	Proof-of-Concept Integration of Heterogeneous Biobank IT Infrastructures into a Hybrid Biobanking Network. <i>Studies in Health Technology and Informatics</i> , <b>2017</b> , 243, 100-104	0.5	10
59	Regional Differences in Thrombectomy Rates : Secondary use of Billing Codes in the MIRACUM (Medical Informatics for Research and Care in University Medicine) Consortium. <i>Clinical Neuroradiology</i> , <b>2018</b> , 28, 225-234	2.7	9
58	Feasibility analysis of conducting observational studies with the electronic health record. <i>BMC Medical Informatics and Decision Making</i> , <b>2019</b> , 19, 202	3.6	8
57	Development and Evaluation of a Web-Based Paediatric Drug Information System for Germany. <i>Pharmacy (Basel, Switzerland)</i> , <b>2021</b> , 9,	2	7
56	Employing heat maps to mine associations in structured routine care data. <i>Artificial Intelligence in Medicine</i> , <b>2014</b> , 60, 79-88	7.4	6
55	Using Electronic Health Records to Support Clinical Trials: A Report on Stakeholder Engagement for EHR4CR. <i>BioMed Research International</i> , <b>2015</b> , 2015, 707891	3	6
54	Effects of staff training and electronic event monitoring on long-term adherence to lung-protective ventilation recommendations. <i>Journal of Critical Care</i> , <b>2018</b> , 43, 13-20	4	5

53	Leveraging Real-World Data for the Selection of Relevant Eligibility Criteria for the Implementation of Electronic Recruitment Support in Clinical Trials. <i>Applied Clinical Informatics</i> , <b>2021</b> , 12, 17-26	3.1	5
52	Machine Learning Models of Post-Intubation Hypoxia During General Anesthesia. <i>Studies in Health Technology and Informatics</i> , <b>2017</b> , 243, 212-216	0.5	5
51	Concept to gain trust for a German personal health record system using public cloud and FHIR. <i>Journal of Biomedical Informatics</i> , <b>2019</b> , 95, 103212	10.2	4
50	A method for the graphical modeling of relative temporal constraints. <i>Journal of Biomedical Informatics</i> , <b>2019</b> , 100, 103314	10.2	4
49	Finding the Needle in the Hay Stack: An Open Architecture to Support Diagnosis of Undiagnosed Patients. <i>Studies in Health Technology and Informatics</i> , <b>2019</b> , 264, 1580-1581	0.5	4
48	Prototypical Clinical Trial Registry Based on Fast Healthcare Interoperability Resources (FHIR): Design and Implementation Study. <i>JMIR Medical Informatics</i> , <b>2021</b> , 9, e20470	3.6	4
47	Digital Dementia Registry Bavaria-digiDEM Bayern: study protocol for a multicentre, prospective, longitudinal register study. <i>BMJ Open</i> , <b>2021</b> , 11, e043473	3	4
46	The experience of physicians in pharmacogenomic clinical decision support within eight German university hospitals. <i>Pharmacogenomics</i> , <b>2017</b> , 18, 773-785	2.6	3
45	Patient Cohort Identification on Time Series Data Using the OMOP Common Data Model. <i>Applied Clinical Informatics</i> , <b>2021</b> , 12, 57-64	3.1	3
44	Integrating a Secure and Generic Mobile App for Patient Reported Outcome Acquisition into an EHR Infrastructure Based on FHIR Resources. <i>Studies in Health Technology and Informatics</i> , <b>2020</b> , 270, 991-995	0.5	3
43	Mapping the Entire Record-An Alternative Approach to Data Access from Medical Logic Modules. <i>Applied Clinical Informatics</i> , <b>2020</b> , 11, 342-349	3.1	2
42	Electronic Support for Retrospective Analysis in the Field of Radiation Oncology: Proof of Principle Using an Example of Fractionated Stereotactic Radiotherapy of 251 Meningioma Patients. <i>Frontiers in Oncology</i> , <b>2017</b> , 7, 16	5.3	2
41	Integrating Genomics and Clinical Data for Statistical Analysis by Using GEnome MINing (GEMINI) and Fast Healthcare Interoperability Resources (FHIR): System Design and Implementation. <i>Journal of Medical Internet Research</i> , <b>2020</b> , 22, e19879	7.6	2
40	Applied Practice and Possible Leverage Points for Information Technology Support for Patient Screening in Clinical Trials: Qualitative Study. <i>JMIR Medical Informatics</i> , <b>2020</b> , 8, e15749	3.6	2
39	A Federated Online Search Tool for Biospecimens (Sample Locator): Usability Study. <i>Journal of Medical Internet Research</i> , <b>2020</b> , 22, e17739	7.6	2
38	A Framework for Criteria-Based Selection and Processing of Fast Healthcare Interoperability Resources (FHIR) Data for Statistical Analysis: Design and Implementation Study. <i>JMIR Medical Informatics</i> , <b>2021</b> , 9, e25645	3.6	2
37	Evaluation of Three Feasibility Tools for Identifying Patient Data and Biospecimen Availability: Comparative Usability Study. <i>JMIR Medical Informatics</i> , <b>2021</b> , 9, e25531	3.6	2
36	Linking a Consortium-Wide Data Quality Assessment Tool with the MIRACUM Metadata Repository. <i>Applied Clinical Informatics</i> , <b>2021</b> , 12, 826-835	3.1	2

35	Standards-Based Procedural Phenotyping: The Arden Syntax on i2b2. <i>Studies in Health Technology and Informatics</i> , <b>2017</b> , 243, 37-41	0.5	2
34	On-The-Fly Query Translation Between i2b2 and Samplify in the German Biobank Node (GBN) Prototypes. <i>Studies in Health Technology and Informatics</i> , <b>2017</b> , 243, 42-46	0.5	2
33	Investigating the Capabilities of FHIR Search for Clinical Trial Phenotyping. <i>Studies in Health Technology and Informatics</i> , <b>2018</b> , 253, 3-7	0.5	2
32	Stakeholder Perspectives on the Key Components of a Digital Service Platform Supporting Dementia - digiDEM Bayern. <i>Studies in Health Technology and Informatics</i> , <b>2020</b> , 271, 224-231	0.5	2
31	Data Model Requirements for a Digital Cognitive Aid for Anesthesia to Support Intraoperative Crisis Management. <i>Applied Clinical Informatics</i> , <b>2020</b> , 11, 190-199	3.1	1
30	Shift of radiotherapy use during the first wave of the COVID-19 pandemic? An analysis of German inpatient data.. <i>Strahlentherapie Und Onkologie</i> , <b>2022</b> , 1	4.3	1
29	The Patient as Genomic Data Manager - Evaluation of the PROMISE App. <i>Studies in Health Technology and Informatics</i> , <b>2020</b> , 270, 1061-1065	0.5	1
28	Interviews with experts in rare diseases for the development of clinical decision support system software - a qualitative study. <i>BMC Medical Informatics and Decision Making</i> , <b>2020</b> , 20, 230	3.6	1
27	Designing and Implementing an IT Architecture for a Digital Multicenter Dementia Registry: digiDEM Bayern. <i>Applied Clinical Informatics</i> , <b>2021</b> , 12, 551-563	3.1	1
26	Evaluation of a clinical decision support system for rare diseases: a qualitative study. <i>BMC Medical Informatics and Decision Making</i> , <b>2021</b> , 21, 65	3.6	1
25	Implementation of a National Framework to Promote Health Data Sharing. <i>Yearbook of Medical Informatics</i> , <b>2018</b> , 27, 302-304	4	1
24	From a Content Delivery Portal to a Knowledge Management System for Standardized Cancer Documentation. <i>Studies in Health Technology and Informatics</i> , <b>2017</b> , 243, 180-184	0.5	1
23	Evaluation of an Interactive Visualization Tool for the Interpretation of Pediatric Laboratory Test Results. <i>Studies in Health Technology and Informatics</i> , <b>2017</b> , 243, 207-211	0.5	1
22	Digital Patient Communication: Improving the Hospital-Patient Relationship. <i>Studies in Health Technology and Informatics</i> , <b>2019</b> , 259, 3-9	0.5	1
21	A Queue-Poll Extension and DataSHIELD: Standardised, Monitored, Indirect and Secure Access to Sensitive Data. <i>Studies in Health Technology and Informatics</i> , <b>2019</b> , 258, 115-119	0.5	1
20	Design and Implementation of a Single Source Multipurpose Hospital-Wide Clinical Trial Registry. <i>Studies in Health Technology and Informatics</i> , <b>2019</b> , 258, 164-168	0.5	1
19	Establishing an Interoperable Clinical Trial Information System Within MIRACUM. <i>Studies in Health Technology and Informatics</i> , <b>2019</b> , 258, 216-220	0.5	1
18	The Status Quo of Rare Diseases Centres for the Development of a Clinical Decision Support System - A Cross-Sectional Study. <i>Studies in Health Technology and Informatics</i> , <b>2020</b> , 271, 176-183	0.5	1

17	Data integration in life sciences. <i>IT - Information Technology</i> , <b>2017</b> , 59, 159-160	0.4	o
16	Challenges and Experiences Extending the cBioPortal for Cancer Genomics to a Molecular Tumor Board Platform. <i>Studies in Health Technology and Informatics</i> , <b>2021</b> , 287, 139-143	0.5	o
15	The generic Informed Consent Service gICS: implementation and benefits of a modular consent software tool to master the challenge of electronic consent management in research. <i>Journal of Translational Medicine</i> , <b>2020</b> , 18, 287	8.5	o
14	Visualization of Similar Patients in a Clinical Decision Support System for Rare Diseases - A Focus Group Study. <i>Studies in Health Technology and Informatics</i> , <b>2021</b> , 278, 49-57	0.5	o
13	Usability Evaluation of an Offline Electronic Data Capture App in a Prospective Multicenter Dementia Registry (digiDEM Bayern): Mixed Method Study. <i>JMIR Formative Research</i> , <b>2021</b> , 5, e31649	2.5	o
12	The journey to establishing an IT-infrastructure within the German Biobank Alliance. <i>PLoS ONE</i> , <b>2021</b> , 16, e0257632	3.7	o
11	Improving COVID-19 Research of University Hospitals in Germany: Formative Usability Evaluation of the CODEX Feasibility Portal.. <i>Applied Clinical Informatics</i> , <b>2022</b> , 13, 400-409	3.1	o
10	Aligning Biobanks and Data Integration Centers Efficiently (ABIDE_MI).. <i>Studies in Health Technology and Informatics</i> , <b>2022</b> , 292, 37-42	0.5	o
9	Patient Recruitment System for Clinical Trials: Mixed Methods Study About Requirements at Ten University Hospitals.. <i>JMIR Medical Informatics</i> , <b>2022</b> , 10, e28696	3.6	
8	eHealth Interventions for Dementia - Using WordPress Plugins as a Flexible Dissemination for Dementia Service Providers. <i>Studies in Health Technology and Informatics</i> , <b>2021</b> , 279, 1-9	0.5	
7	Design of an Interactive Web Application for Teaching Uncertainty Interpretations of Clinical Tests. <i>Studies in Health Technology and Informatics</i> , <b>2021</b> , 283, 156-162	0.5	
6	Requirements Analysis for a Clinical Decision Support System Aiming at Improving the Artificial Nutrition of Critically Ill Patients. <i>Studies in Health Technology and Informatics</i> , <b>2017</b> , 243, 137-141	0.5	
5	An Abstraction Layer to Facilitate Technical Interoperability Between Medical Records and Knowledge Modules. <i>Studies in Health Technology and Informatics</i> , <b>2017</b> , 243, 185-189	0.5	
4	Evaluation of Different Learning Algorithms of Neural Networks for Drug Dosing Recommendations in Pediatrics. <i>Studies in Health Technology and Informatics</i> , <b>2020</b> , 271, 271-276	0.5	
3	Towards a FHIR-Based Data Model for Coronary Angiography Observations.. <i>Studies in Health Technology and Informatics</i> , <b>2022</b> , 292, 96-99	0.5	
2	Classification of Patient Portals Described in Evaluation Studies Using the TOPCOP Taxonomy.. <i>Studies in Health Technology and Informatics</i> , <b>2022</b> , 292, 28-33	0.5	
1	AHD2FHIR: A Tool for Mapping of Natural Language Annotations to Fast Healthcare Interoperability Resources [A Technical Case Report. <i>Studies in Health Technology and Informatics</i> , <b>2022</b> ,	0.5	