

# Rainer RÄhrig

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2409983/publications.pdf>

Version: 2024-02-01

75  
papers

1,126  
citations

430442

18  
h-index

476904

29  
g-index

95  
all docs

95  
docs citations

95  
times ranked

1398  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | <scp>COVID</scp>â€19 Vaccineâ€™Associated Cerebral Venous Thrombosis in Germany. Annals of Neurology, 2021, 90, 627-639.  | 2.8 | 122       |
| 2  | Computer Keyboard and Mouse as a Reservoir of Pathogens in an Intensive Care Unit. Journal of Clinical Monitoring and Computing, 2003, 18, 7-12.  | 0.7 | 103       |
| 3  | Evaluation of data completeness in the electronic health record for the purpose of patient recruitment into clinical trials: a retrospective analysis of element presence. BMC Medical Informatics and Decision Making, 2013, 13, 37.   | 1.5 | 77        |
| 4  | Peridural Analgesia May Affect Long-term Survival in Patients With Colorectal Cancer After Surgery (PACO-RAS-Study). Annals of Surgery, 2013, 258, 989-993.   | 2.1 | 44        |
| 5  | The Incidence and Prediction of Automatically Detected Intraoperative Cardiovascular Events in Noncardiac Surgery. Anesthesia and Analgesia, 2004, 98, 569-577.   | 1.1 | 42        |
| 6  | Comparison of Electronic Health Record System Functionalities to support the patient recruitment process in clinical trials. International Journal of Medical Informatics, 2014, 83, 860-868.   | 1.6 | 36        |
| 7  | Discriminative power on mortality of a modified Sequential Organ Failure Assessment score for complete automatic computation in an operative intensive care unit. Critical Care Medicine, 2002, 30, 338-342.  | 0.4 | 33        |
| 8  | First report from the German COVID-19 autopsy registry. Lancet Regional Health - Europe, The, 2022, 15, 100330.   | 3.0 | 33        |
| 9  | Intra-operative tachycardia and peri-operative outcome. Langenbeck's Archives of Surgery, 2003, 388, 255-260.   | 0.8 | 30        |
| 10 | Design and multicentric Implementation of a generic Software Architecture for Patient Recruitment Systems re-using existing HIS tools and Routine Patient Data. Applied Clinical Informatics, 2014, 05, 264-283.  | 0.8 | 30        |
| 11 | Cardiac effects of echinocandin preparations - three case reports. Journal of Clinical Pharmacy and Therapeutics, 2013, 38, 429-431.  | 0.7 | 27        |
| 12 | Quality of human-computer interaction - results of a national usability survey of hospital-IT in Germany. BMC Medical Informatics and Decision Making, 2011, 11, 69.  | 1.5 | 24        |
| 13 | Review of antibiotic drug use in a surgical ICU: Management with a patient data management system for additional outcome analysis in patients staying more than 24 hours. Clinical Therapeutics, 2004, 26, 915-924.   | 1.1 | 23        |
| 14 | Development of National Competency-based Learning Objectives â€™Medical Informaticsâ€™ for Undergraduate Medical Education. Methods of Information in Medicine, 2013, 52, 184-188.  | 0.7 | 23        |
| 15 | Evaluation of Electronic and Paper-Pen Data Capturing Tools for Data Quality in a Public Health Survey in a Health and Demographic Surveillance Site, Ethiopia: Randomized Controlled Crossover Health Care Information Technology Evaluation. JMIR MHealth and UHealth, 2019, 7, e10995. | 1.8 | 22        |
| 16 | Memorandum â€™Open Metadataâ€™. Methods of Information in Medicine, 2015, 54, 376-378.  | 0.7 | 18        |
| 17 | Past and Trends in Cough Sound Acquisition, Automatic Detection and Automatic Classification: A Comparative Review. Sensors, 2022, 22, 2896.  | 2.1 | 17        |
| 18 | Automatic calculation of a modified APACHE II score using a patient data management system (PDMS). International Journal of Medical Informatics, 2002, 65, 145-157.   | 1.6 | 15        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Renal effects of cardiopulmonary bypass in the elderly. <i>Perfusion (United Kingdom)</i> , 2002, 17, 205-209.  | 0.5 | 14        |
| 20 | Automatic calculation of the nine equivalents of nursing manpower use score (NEMS) using a patient data management system. <i>Intensive Care Medicine</i> , 2004, 30, 1487-1490.  | 3.9 | 13        |
| 21 | Past and Next 10 Years of Medical Informatics. <i>Journal of Medical Systems</i> , 2014, 38, 74.  | 2.2 | 13        |
| 22 | Summative Software Evaluation of a Therapeutic Guideline Assistance System for Empiric Antimicrobial Therapy in ICU. <i>Journal of Clinical Monitoring and Computing</i> , 2007, 21, 203-210.   | 0.7 | 11        |
| 23 | Dying in the Intensive Care Unit (ICU): A Retrospective Descriptive Analysis of Deaths in the ICU in a Communal Tertiary Hospital in Germany. <i>Anesthesiology Research and Practice</i> , 2020, 2020, 1-10.   | 0.2 | 11        |
| 24 | Balancing the need for big data and patient data privacy--an IT infrastructure for a decentralized emergency care research database. <i>Studies in Health Technology and Informatics</i> , 2014, 205, 750-4.  | 0.2 | 11        |
| 25 | Laryngeal mask airway versus endotracheal tube for outpatient surgery: analysis of anesthesia-controlled time. <i>Journal of Clinical Anesthesia</i> , 2004, 16, 195-199.   | 0.7 | 10        |
| 26 | Integration of a handheld based anaesthesia rounding system into an anaesthesia information management system. <i>International Journal of Medical Informatics</i> , 2006, 75, 553-563.   | 1.6 | 10        |
| 27 | Effects of echinocandin preparations on adult rat ventricular cardiomyocytes. <i>Der Anaesthesist</i> , 2014, 63, 129-134.  | 0.5 | 10        |
| 28 | Intracranial hemorrhage in COVID-19 patients during extracorporeal membrane oxygenation for acute respiratory failure: a nationwide register study report. <i>Critical Care</i> , 2022, 26, 83.   | 2.5 | 10        |
| 29 | Assessing the Prognoses on Health Care in the Information Society 2013 - Thirteen Years After. <i>Journal of Medical Systems</i> , 2014, 38, 73.  | 2.2 | 9         |
| 30 | Secondary use of clinical data in healthcare providers - an overview on research, regulatory and ethical requirements. <i>Studies in Health Technology and Informatics</i> , 2012, 180, 614-8.  | 0.2 | 9         |
| 31 | Evaluation of sE-Selectin and sICAM-1 as Parameters for Renal Function. <i>Renal Failure</i> , 2008, 30, 675-684.   | 0.8 | 8         |
| 32 | Prospective evaluation of regional oxygen saturation to estimate central venous saturation in sepsis. <i>Journal of Clinical Monitoring and Computing</i> , 2015, 29, 443-453.  | 0.7 | 8         |
| 33 | Causes of use errors in ventilation devices - Systematic review. <i>Applied Ergonomics</i> , 2022, 98, 103544.  | 1.7 | 7         |
| 34 | Excessive alcohol consumption and perioperative outcome. <i>Surgery</i> , 2004, 136, 988-993.   | 1.0 | 6         |
| 35 | Impact of Different Sampling Strategies on Score Results of the Nine Equivalents of Nursing Manpower Use Score (NEMS). <i>Methods of Information in Medicine</i> , 2007, 46, 410-415.   | 0.7 | 6         |
| 36 | Impact of Abdominal Follow-Up Sonography in Trauma Patients Without Abdominal Parenchymal Organ Lesion or Free Intraabdominal Fluid in Whole-Body Computed Tomography. <i>RoFo Fortschritte Auf Dem Gebiet Der Röntgenstrahlen Und Der Bildgebenden Verfahren</i> , 2016, 189, 128-136. | 0.7 | 6         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | An integrated data-warehouse-concept for clinical and biological information. <i>Studies in Health Technology and Informatics</i> , 2005, 116, 9-14.   | 0.2 | 6         |
| 38 | Feasibility of Eyetracking in Critical Care Environments - A Systematic Review. <i>Studies in Health Technology and Informatics</i> , 2016, 228, 604-8.  | 0.2 | 6         |
| 39 | The effect of a cervical collar on the seal pressure of the LMA Supreme, a prospective, crossover trial. <i>Anaesthesia</i> , 2012, 67, 1260-1265.   | 1.8 | 5         |
| 40 | Examining the Mental Workload Associated With Digital Health Technologies in Health Care: Protocol for a Systematic Review Focusing on Assessment Methods. <i>JMIR Research Protocols</i> , 2021, 10, e29126.  | 0.5 | 5         |
| 41 | Data Quality and Cost-effectiveness Analyses of Electronic and Paper-Based Interviewer-Administered Public Health Surveys: Systematic Review. <i>Journal of Medical Internet Research</i> , 2021, 23, e21382.  | 2.1 | 5         |
| 42 | Data Quality and Cost-Effectiveness Analyses of Electronic and Paper-Based Interviewer-Administered Public Health Surveys: Protocol for a Systematic Review. <i>JMIR Research Protocols</i> , 2019, 8, e10678. | 0.5 | 5         |
| 43 | Expression of peptide YY by human blood leukocytes. <i>Peptides</i> , 2014, 58, 78-82.   | 1.2 | 4         |
| 44 | Digital health "Software as a medical device in focus of the medical device regulation (MDR). <i>IT - Information Technology</i> , 2019, 61, 211-218.  | 0.6 | 4         |
| 45 | Evaluation of outcome relevance of quality indicators in the emergency department (ENQUIRE): study protocol for a prospective multicentre cohort study. <i>BMJ Open</i> , 2020, 10, e038776.                   | 0.8 | 4         |
| 46 | Cooperative approach of pathology and neuropathology in the COVID-19 pandemic. <i>Der Pathologe</i> , 2021, 42, 69-75.   | 0.7 | 4         |
| 47 | Implementation of Emergency Department Performance Benchmarking Using R and LaTeX. <i>Studies in Health Technology and Informatics</i> , 2019, 267, 238-246.   | 0.2 | 4         |
| 48 | Proactive authenticated notifications for health practitioners: two way human computer interaction through phone. <i>Studies in Health Technology and Informatics</i> , 2012, 180, 388-92.                     | 0.2 | 4         |
| 49 | Disseminating a Standard for Medical Records in Emergency Departments Among Different Software Vendors Using HL7 CDA. <i>Studies in Health Technology and Informatics</i> , 2017, 243, 132-136.                | 0.2 | 4         |
| 50 | Automated Report Generation for Research Data Repositories: From i2b2 to PDF. <i>Studies in Health Technology and Informatics</i> , 2017, 245, 1289.   | 0.2 | 4         |
| 51 | LONG-TERM MONITORING OF RENAL FUNCTION IN POLY-TRAUMATIZED INTENSIVE CARE PATIENTS. <i>Renal Failure</i> , 2002, 24, 493-504.  | 0.8 | 3         |
| 52 | Computers in anesthesia and intensive care: Lack of evidence that the central unit serves as reservoir of pathogens. <i>International Journal of Hygiene and Environmental Health</i> , 2005, 208, 299-304.    | 2.1 | 3         |
| 53 | Examining the influence of maternal bradycardia on neonatal outcome using automated data collection. <i>International Journal of Obstetric Anesthesia</i> , 2007, 16, 208-213.                                 | 0.2 | 3         |
| 54 | LOINC in Prehospital Emergency Medicine in Germany "Experience of the DIRK-Project. <i>Methods of Information in Medicine</i> , 2014, 53, 87-91.   | 0.7 | 3         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 55 | Automating Standard Operating Procedures in Intensive Care. Lecture Notes in Computer Science, 2007, , 516-530.  | 1.0 | 3         |
| 56 | Identifying patients for clinical trials using fuzzy ternary logic expressions on HL7 messages. Studies in Health Technology and Informatics, 2011, 169, 170-4.  | 0.2 | 3         |
| 57 | Impact of inadequate surgical antibiotic prophylaxis on perioperative outcome and length of stay on ICU in general and trauma surgery. International Journal of Antimicrobial Agents, 2005, 25, 231-236.   | 1.1 | 2         |
| 58 | Effects of inverse ratio ventilation with PEEP on kidney function. Renal Failure, 2010, 32, 411-416.   | 0.8 | 2         |
| 59 | Patientensicherheit ist in einem soziotechnischem System eine gemeinsame Aufgabe. Zeitschrift Fur Evidenz, Fortbildung Und Qualitat Im Gesundheitswesen, 2017, 125, 1-2.   | 0.7 | 2         |
| 60 | openMNGlab: Data Analysis Framework for Microneurography – A Technical Report. Studies in Health Technology and Informatics, 2021, 283, 165-171.   | 0.2 | 2         |
| 61 | Challenges of patients with myeloproliferative neoplasms (MPN) in times of COVID: First results from a patient survey by the German Study Group for MPN. Leukemia Research, 2021, 110, 106646.   | 0.4 | 2         |
| 62 | Corrected incidences of co-morbidities – a statistical approach for risk-assessment in anesthesia using an AIMS. Journal of Clinical Monitoring and Computing, 2007, 21, 159-166.  | 0.7 | 1         |
| 63 | Early diagnosis of acute kidney injury. Open Medicine (Poland), 2010, 5, 527-534.  | 0.6 | 1         |
| 64 | iRobot, MD – Are We Ready for the Future Becomes the Present?. Methods of Information in Medicine, 2015, 54, 110-110.  | 0.7 | 1         |
| 65 | To Be or not to Be a Medical Device: Is the Regulatory Framework a Safety Rope or a Fetter?. Methods of Information in Medicine, 2015, 54, 291-292.  | 0.7 | 1         |
| 66 | Asynchronous Query Distribution Between Multiple i2b2 Research Data Warehouses: Li2b2-SHRINE. Studies in Health Technology and Informatics, 2017, 245, 1276.   | 0.2 | 1         |
| 67 | A Generic IT Infrastructure for Identity Management and Pseudonymization in Small Research Projects with Heterogeneous and Distributed Data Sources Under Consideration of the GDPR. Studies in Health Technology and Informatics, 2019, 264, 1837-1838. | 0.2 | 1         |
| 68 | Get the Right Balance – Lessons Learned from the First Ebola Infected Patient in Dallas. Methods of Information in Medicine, 2015, 54, 200-202.  | 0.7 | 0         |
| 69 | Patientensicherheit und Risikomanagement. , 2020, , 173-180.   |     | 0         |
| 70 | Li2b2-FaÅsade: Simulation of i2b2 Data Warehouse Server and Client for Interaction with Other Systems. Studies in Health Technology and Informatics, 2017, 245, 1275.  | 0.2 | 0         |
| 71 | Feasibility of Three Head Mounted Eye-Tracker in Anesthesia: A Feasibility Study. Studies in Health Technology and Informatics, 2019, 264, 1238-1242.  | 0.2 | 0         |
| 72 | Human-Induced Errors in Networked Healthcare Research: Risk Management Under the GDPR. Studies in Health Technology and Informatics, 2020, 270, 1128-1132.   | 0.2 | 0         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 73 | Usability Issues with Mechanical Ventilation Devices. Studies in Health Technology and Informatics, 2020, 270, 1419-1420.   | 0.2 | 0         |
| 74 | Online Usability Tool â€œ First Experiences from Testing a Ventilator Interface. Studies in Health Technology and Informatics, 2022, , .                                      | 0.2 | 0         |
| 75 | Establishing a Data Quality Baseline in the AKTIN Emergency Department Data Registry â€œ A Secondary Use Perspective. Studies in Health Technology and Informatics, 2022, , . | 0.2 | 0         |