Martin Boeker

List of Publications by Year in descending order

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90 papers	2,076 citations	304743 22 h-index	302126 39 g-index
109 all docs	109 docs citations	109 times ranked	3158 citing authors

#	Article	IF	Citations
1	A Multilingual Browser Platform for Medical Subject Headings. Studies in Health Technology and Informatics, 2022, 289, 384-387.	0.3	1
2	A Systematic Review: The Effect of Cancer on the Divorce Rate. Frontiers in Psychology, 2022, 13, 828656.	2.1	3
3	Artificial Intelligence-Driven Prediction Modeling and Decision Making in Spine Surgery Using Hybrid Machine Learning Models. Journal of Personalized Medicine, 2022, 12, 509.	2.5	50
4	Classification of Patient Portals Described in Evaluation Studies Using the TOPCOP Taxonomy. Studies in Health Technology and Informatics, 2022, 292, 28-33.	0.3	0
5	Observational study on implications of the COVID-19-pandemic for cardiopulmonary resuscitation in out-of-hospital cardiac arrest: qualitative and quantitative insights from a model region in Germany. BMC Emergency Medicine, 2022, 22, 85.	1.9	8
6	Availability of Structured Data Elements in Electronic Health Records for Supporting Patient Recruitment in Clinical Trials. Studies in Health Technology and Informatics, 2022, , .	0.3	6
7	International comparisons of laboratory values from the 4CE collaborative to predict COVID-19 mortality. Npj Digital Medicine, 2022, 5, .	10.9	7
8	AHD2FHIR: A Tool for Mapping of Natural Language Annotations to Fast Healthcare Interoperability Resources â€“ A Technical Case Report. Studies in Health Technology and Informatics, 2022, , .	0.3	0
9	Usability Evaluation of a Modern Multilingual MeSH Browser. Studies in Health Technology and Informatics, 2022, , .	0.3	2
10	Prototypical Clinical Trial Registry Based on Fast Healthcare Interoperability Resources (FHIR): Design and Implementation Study. JMIR Medical Informatics, 2021, 9, e20470.	2.6	19
11	High-resolution pediatric reference intervals for 15 biochemical analytes described using fractional polynomials. Clinical Chemistry and Laboratory Medicine, 2021, 59, 1267-1278.	2.3	15
12	Transitioning the Molecular Tumor Board from Proof of Concept to Clinical Routine: A German Single-Center Analysis. Cancers, 2021, 13, 1151.	3.7	27
13	A survey on the current status and future perspective of informed consent management in the MIRACUM consortium of the German Medical Informatics Initiative. Translational Medicine Communications, 2021, 6, .	1.4	2
14	Automatic Generation of German Translation Candidates for SNOMED CT Textual Descriptions. Studies in Health Technology and Informatics, 2021, 281, 178-182.	0.3	1
15	Needs for an Integration of Specific Data Sources and Items â€“ First Insights of a National Survey Within the German Center for Infection Research. Studies in Health Technology and Informatics, 2021, 278, 237-244.	0.3	0
16	Clinical Performance of CAD/CAM All-Ceramic Tooth-Supported Fixed Dental Prostheses: A Systematic Review and Meta-Analysis. Materials, 2021, 14, 2672.	2.9	19
17	Validation of an internationally derived patient severity phenotype to support COVID-19 analytics from electronic health record data. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 1411-1420.	4.4	37
18	Fast Healthcare Interoperability Resources (FHIRÂ®) Representation of Medication Data Derived from German Procedure Classification Codes (OPS) Using Identification of Medicinal Products (IDMP) Compliant Terminology. Studies in Health Technology and Informatics, 2021, 278, 231-236.	0.3	3

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19	International Analysis of Electronic Health Records of Children and Youth Hospitalized With COVID-19 Infection in 6 Countries. JAMA Network Open, 2021, 4, e2112596.	5.9	33
20	Telemedicine in Intensive Care Units: Scoping Review. Journal of Medical Internet Research, 2021, 23, e32264.	4.3	12
21	Reducing burden from respiratory infections in refugees and immigrants: a systematic review of interventions in OECD, EU, EEA and EU-applicant countries. BMC Infectious Diseases, 2021, 21, 872.	2.9	3
22	Multinational characterization of neurological phenotypes in patients hospitalized with COVID-19. Scientific Reports, 2021, 11, 20238.	3.3	10
23	DAT SPECT Predicts Survival in Patients Assessed for Differential Diagnosis of Dementia. Journal of Alzheimer's Disease, 2021, 82, 215-220.	2.6	3
24	How versioning of terminology systems can be supported by ontological models â€“ a case study on TNM tumor classification. Applied Ontology, 2020, 15, 41-60.	2.0	0
25	Interviews with experts in rare diseases for the development of clinical decision support system software - a qualitative study. BMC Medical Informatics and Decision Making, 2020, 20, 230.	3.0	8
26	How Thick Is the Oral Mucosa around Implants after Augmentation with Different Materials: A Systematic Review of the Effectiveness of Substitute Matrices in Comparison to Connective Tissue Grafts. International Journal of Molecular Sciences, 2020, 21, 5043.	4.1	20
27	[123I]FP-CIT SPECT in Clinically Uncertain Parkinsonism Predicts Survival: AÂData-Driven Analysis. Journal of Parkinson's Disease, 2020, 10, 1457-1465.	2.8	2
28	International electronic health record-derived COVID-19 clinical course profiles: the 4CE consortium. Npj Digital Medicine, 2020, 3, 109.	10.9	128
29	Annotation of Human Exome Gene Variants with Consensus Pathogenicity. Genes, 2020, 11, 1076.	2.4	4
30	Agreement of physician and patient ratings of communication in medical encounters: A systematic review and meta-analysis of interrater agreement. Patient Education and Counseling, 2020, 103, 1873-1882.	2.2	18
31	Exploring conceptual preprocessing for developing prognostic models: aÂcase study in low back pain patients. Journal of Clinical Epidemiology, 2020, 122, 27-34.	5.0	4
32	Requirements Analysis and Specification for a Molecular Tumor Board Platform Based on cBioPortal. Diagnostics, 2020, 10, 93.	2.6	29
33	Reduced Rate of Inpatient Hospital Admissions in 18 German University Hospitals During the COVID-19 Lockdown. Frontiers in Public Health, 2020, 8, 594117.	2.7	73
34	Marginal bone loss around oral implants supporting fixed versus removable prostheses: a systematic review. International Journal of Implant Dentistry, 2020, 6, 20.	2.7	16
35	Evaluation of a Mobile Phone App for Patients With Pollen-Related Allergic Rhinitis: Prospective Longitudinal Field Study. JMIR MHealth and UHealth, 2020, 8, e15514.	3.7	18
36	Telemedicine in Intensive Care Units: Protocol for a Scoping Review. JMIR Research Protocols, 2020, 9, e19695.	1.0	3

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37	Enabling External Inquiries to an Existing Patient Registry by Using the Open Source Registry System for Rare Diseases: Demonstration of the System Using the European Society for Immunodeficiencies Registry. JMIR Medical Informatics, 2020, 8, e17420.	2.6	2
38	Boosting competence-orientation in undergraduate medical education â€“ A web-based tool linking curricular mapping and visual analytics. Medical Teacher, 2019, 41, 422-432.	1.8	17
39	Well informed physician-patient communication in consultations on back pain â€“ study protocol of the cluster randomized GAP trial. BMC Family Practice, 2019, 20, 33.	2.9	9
40	Dental implants in immunocompromised patients: a systematic review and meta-analysis. International Journal of Implant Dentistry, 2019, 5, 43.	2.7	30
41	How to compete with Google and Co.. Current Opinion in Urology, 2019, 29, 135-142.	1.8	7
42	Finding the Needle in the Hay Stack: An Open Architecture to Support Diagnosis of Undiagnosed Patients. Studies in Health Technology and Informatics, 2019, 264, 1580-1581.	0.3	6
43	Establishing an Interoperable Clinical Trial Information System Within MIRACUM. Studies in Health Technology and Informatics, 2019, 258, 216-220.	0.3	1
44	Regional Differences in Thrombectomy Rates. Clinical Neuroradiology, 2018, 28, 225-234.	1.9	13
45	Personalized Clinical Decision Making Through Implementation of a Molecular Tumor Board: A German Single-Center Experience. JCO Precision Oncology, 2018, 2, 1-16.	3.0	41
46	NPU, LOINC, and SNOMED CT: a comparison of terminologies for laboratory results reveals individual advantages and a lack of possibilities to encode interpretive comments. Laboratoriums Medizin, 2018, 42, 267-275.	0.6	8
47	Anxiety as a risk factor of Alzheimer's disease and vascular dementia. British Journal of Psychiatry, 2018, 213, 654-660.	2.8	111
48	Increased expression of hypoxia-inducible factor-1 alpha and its impact on transcriptional changes and prognosis in malignant tumours of the ocular adnexa. Eye, 2018, 32, 1772-1782.	2.1	21
49	MIRACUM: Medical Informatics in Research and Care in University Medicine. Methods of Information in Medicine, 2018, 57, e82-e91.	1.2	84
50	The experience of physicians in pharmacogenomic clinical decision support within eight German university hospitals. Pharmacogenomics, 2017, 18, 773-785.	1.3	7
51	Surgical therapy of prostatitis: a systematic review. World Journal of Urology, 2017, 35, 1659-1668.	2.2	14
52	Integrating clinical decision support systems for pharmacogenomic testing into clinical routine - a scoping review of designs of user-system interactions in recent system development. BMC Medical Informatics and Decision Making, 2017, 17, 81.	3.0	43
53	Analysis and visualization of disease courses in a semantically-enabled cancer registry. Journal of Biomedical Semantics, 2017, 8, 46.	1.6	15
54	Dealing with foreign cultural paradigms: A systematic review on intercultural challenges of international medical graduates. PLoS ONE, 2017, 12, e0181330.	2.5	39

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55	Virtual patients in the acquisition of clinical reasoning skills: does presentation mode matter? A quasi-randomized controlled trial. BMC Medical Education, 2017, 17, 165.	2.4	12
56	The BioTop Family of Upper Level Ontological Resources for Biomedicine. Studies in Health Technology and Informatics, 2017, 235, 441-445.	0.3	4
57	Validation of undergraduate medical student script concordance test (SCT) scores on the clinical assessment of the acute abdomen. BMC Surgery, 2016, 16, 57.	1.3	17
58	TNM-O: ontology support for staging of malignant tumours. Journal of Biomedical Semantics, 2016, 7, 64.	1.6	19
59	Literature search methodology for systematic reviews: conventional and natural language processing enabled methods are complementary (Letter commenting on: J Clin Epidemiol. 2015;68:191-9). Journal of Clinical Epidemiology, 2016, 69, 253-255.	5.0	2
60	Importance and benefits of the doctoral thesis for medical graduates. GMS Journal for Medical Education, 2016, 33, Doc8.	0.1	12
61	Feasibility of an ontology driven tumor-node-metastasis classifier application: A study on colorectal cancer. , 2015, , .		2
62	Evaluating the Good Ontology Design Guideline (GoodOD) with the Ontology Quality Requirements and Evaluation Method and Metrics (OQuaRE). PLoS ONE, 2014, 9, e104463.	2.5	25
63	Validating archetypes for the Multiple Sclerosis Functional Composite. BMC Medical Informatics and Decision Making, 2014, 14, 64.	3.0	15
64	Title is missing!. , 2014, 9, e104463.		0
65	Google Scholar as replacement for systematic literature searches: good relative recall and precision are not enough. BMC Medical Research Methodology, 2013, 13, 131.	3.1	133
66	Effects of Guideline-Based Training on the Quality of Formal Ontologies: A Randomized Controlled Trial. PLoS ONE, 2013, 8, e61425.	2.5	4
67	Game-Based E-Learning Is More Effective than a Conventional Instructional Method: A Randomized Controlled Trial with Third-Year Medical Students. PLoS ONE, 2013, 8, e82328.	2.5	115
68	Time-dependent migration of citations through PubMed and OvidSP subsets: a study on a series of simultaneous PubMed and OvidSP searches. Studies in Health Technology and Informatics, 2013, 192, 1196.	0.3	1
69	Title is missing!. , 2013, 8, e61425.		0
70	Usability-driven pruning of large ontologies: the case of SNOMED CT. Journal of the American Medical Informatics Association: JAMIA, 2012, 19, e102-e109.	4.4	10
71	Semantically equivalent PubMed and Ovid-MEDLINE queries: different retrieval results because of database subset inclusion. Journal of Clinical Epidemiology, 2012, 65, 915-916.	5.0	9
72	Proposed actions are no actions: re-modeling an ontology design pattern with a realist top-level ontology. Journal of Biomedical Semantics, 2012, 3, S2.	1.6	5

#	Article	IF	Citations
73	OntoCheck: verifying ontology naming conventions and metadata completeness in ProtÃ©gÃ© 4. Journal of Biomedical Semantics, 2012, 3, S4.	1.6	16
74	Unintended consequences of existential quantifications in biomedical ontologies. BMC Bioinformatics, 2011, 12, 456.	2.6	6
75	Scalable representations of diseases in biomedical ontologies. Journal of Biomedical Semantics, 2011, 2, S6.	1.6	21
76	The DebugIT core ontology: semantic integration of antibiotics resistance patterns. Studies in Health Technology and Informatics, 2010, 160, 1060-4.	0.3	13
77	Granularity Issues in the Alignment of Upper Ontologies. Methods of Information in Medicine, 2009, 48, 184-189.	1.2	10
78	SNOMED reaching its adolescence: Ontologistsâ€™ and logiciansâ€™ health check. International Journal of Medical Informatics, 2009, 78, S86-S94.	3.3	66
79	An ontology of image representations for medical image mining. , 2009, , .		11
80	Strengths and limitations of formal ontologies in the biomedical domain. Revista Electronica De Comunicacao, Informacao & Inovacao Em Saude: RECIIS, 2009, 3, 31-45.	0.2	36
81	The ontology of biological taxa. Bioinformatics, 2008, 24, i313-i321.	4.1	20
82	Knowledge environments representing molecular entities for the virtual physiological human. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2008, 366, 3091-3110.	3.4	19
83	Adapting Clinical Ontologies in Real-World Environments. Journal of Universal Computer Science, 2008, 14, 3767-3780.	0.8	12
84	The @neurIST ontology of intracranial aneurysms: providing terminological services for an integrated IT infrastructure. AMIA ... Annual Symposium proceedings, 2007, , 56-60.	0.2	8
85	OncoCase: interdisciplinary case based teaching in Neuro-Oncology based on the campus platform. AMIA ... Annual Symposium proceedings, 2005, , 898.	0.2	3
86	Quantification of B, T and Null Lymphocyte Subpopulations in the Blood and Lymphoid Organs of the Pig. Immunobiology, 1999, 201, 74-87.	1.9	35
87	Milk-responsive atopic dermatitis is associated with a casein-specific lymphocyte response in adolescent and adult patients. Journal of Allergy and Clinical Immunology, 1997, 99, 124-133.	2.9	75
88	Rapid expression of the CD69 antigen on T cells and natural killer cells upon antigenic stimulation of peripheral blood mononuclear cell suspensions. Allergy: European Journal of Allergy and Clinical Immunology, 1997, 52, 465-469.	5.7	51
89	Detection of a kappa-casein-specific lymphocyte response in milk-responsive atopic dermatitis. Clinical and Experimental Allergy, 1996, 26, 1380-1386.	2.9	8
90	Multiparameter analyses of normal and malignant human plasma cells: CD38++, CD56+, CD54+, cIg+ is the common phenotype of myeloma cells. Annals of Hematology, 1992, 64, 132-139.	1.8	112