Martin Boeker

List of Publications by Year in descending order

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Version: 2024-02-01

88	2,076	304368	301761
papers	citations	22 h-index	39 g-index

109	109	109	3158
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Google Scholar as replacement for systematic literature searches: good relative recall and precision are not enough. BMC Medical Research Methodology, 2013, 13, 131.	1.4	133
2	International electronic health record-derived COVID-19 clinical course profiles: the 4CE consortium. Npj Digital Medicine, 2020, 3, 109.	5.7	128
3	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.	1.1	115
4	Multiparameter analyses of normal and malignant human plasma cells: CD38++, CD56+, CD54+, clg+ is the common phenotype of myeloma cells. Annals of Hematology, 1992, 64, 132-139.	0.8	112
5	Anxiety as a risk factor of Alzheimer's disease and vascular dementia. British Journal of Psychiatry, 2018, 213, 654-660.	1.7	111
6	MIRACUM: Medical Informatics in Research and Care in University Medicine. Methods of Information in Medicine, 2018, 57, e82-e91.	0.7	84
7	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.	1.5	75
8	Reduced Rate of Inpatient Hospital Admissions in 18 German University Hospitals During the COVID-19 Lockdown. Frontiers in Public Health, 2020, 8, 594117.	1.3	73
9	SNOMED reaching its adolescence: Ontologistsâ€™ and logiciansâ€™ health check. International Journal of Medical Informatics, 2009, 78, S86-S94.	1.6	66
10	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.	2.7	51
11	Artificial Intelligence-Driven Prediction Modeling and Decision Making in Spine Surgery Using Hybrid Machine Learning Models. Journal of Personalized Medicine, 2022, 12, 509.	1.1	50
12	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.	1.5	43
13	Personalized Clinical Decision Making Through Implementation of a Molecular Tumor Board: A German Single-Center Experience. JCO Precision Oncology, 2018, 2, 1-16.	1.5	41
14	Dealing with foreign cultural paradigms: A systematic review on intercultural challenges of international medical graduates. PLoS ONE, 2017, 12, e0181330.	1.1	39
15	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.	2.2	37
16	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
17	Quantification of B, T and Null Lymphocyte Subpopulations in the Blood and Lymphoid Organs of the Pig. Immunobiology, 1999, 201, 74-87.	0.8	35
18	International Analysis of Electronic Health Records of Children and Youth Hospitalized With COVID-19 Infection in 6 Countries. JAMA Network Open, 2021, 4, e2112596.	2.8	33

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19	Dental implants in immunocompromised patients: a systematic review and meta-analysis. International Journal of Implant Dentistry, 2019, 5, 43.	1.1	30
20	Requirements Analysis and Specification for a Molecular Tumor Board Platform Based on cBioPortal. Diagnostics, 2020, 10, 93.	1.3	29
21	Transitioning the Molecular Tumor Board from Proof of Concept to Clinical Routine: A German Single-Center Analysis. Cancers, 2021, 13, 1151.	1.7	27
22	Evaluating the Good Ontology Design Guideline (GoodOD) with the Ontology Quality Requirements and Evaluation Method and Metrics (OQuaRE). PLoS ONE, 2014, 9, e104463.	1.1	25
23	Scalable representations of diseases in biomedical ontologies. Journal of Biomedical Semantics, 2011, 2, S6.	0.9	21
24	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.	1.1	21
25	The ontology of biological taxa. Bioinformatics, 2008, 24, i313-i321.	1.8	20
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.	1.8	20
27	Knowledge environments representing molecular entities for the virtual physiological human. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2008, 366, 3091-3110.	1.6	19
28	TNM-O: ontology support for staging of malignant tumours. Journal of Biomedical Semantics, 2016, 7, 64.	0.9	19
29	Prototypical Clinical Trial Registry Based on Fast Healthcare Interoperability Resources (FHIR): Design and Implementation Study. JMIR Medical Informatics, 2021, 9, e20470.	1.3	19
30	Clinical Performance of CAD/CAM All-Ceramic Tooth-Supported Fixed Dental Prostheses: A Systematic Review and Meta-Analysis. Materials, 2021, 14, 2672.	1.3	19
31	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.	1.0	18
32	Evaluation of a Mobile Phone App for Patients With Pollen-Related Allergic Rhinitis: Prospective Longitudinal Field Study. JMIR MHealth and UHealth, 2020, 8, e15514.	1.8	18
33	Validation of undergraduate medical student script concordance test (SCT) scores on the clinical assessment of the acute abdomen. BMC Surgery, 2016, 16, 57.	0.6	17
34	Boosting competence-orientation in undergraduate medical education â€“ A web-based tool linking curricular mapping and visual analytics. Medical Teacher, 2019, 41, 422-432.	1.0	17
35	OntoCheck: verifying ontology naming conventions and metadata completeness in ProtÃ©gÃ© 4. Journal of Biomedical Semantics, 2012, 3, S4.	0.9	16
36	Marginal bone loss around oral implants supporting fixed versus removable prostheses: a systematic review. International Journal of Implant Dentistry, 2020, 6, 20.	1.1	16

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37	Validating archetypes for the Multiple Sclerosis Functional Composite. BMC Medical Informatics and Decision Making, 2014, 14, 64.	1.5	15
38	Analysis and visualization of disease courses in a semantically-enabled cancer registry. Journal of Biomedical Semantics, 2017, 8, 46.	0.9	15
39	High-resolution pediatric reference intervals for 15 biochemical analytes described using fractional polynomials. Clinical Chemistry and Laboratory Medicine, 2021, 59, 1267-1278.	1.4	15
40	Surgical therapy of prostatitis: a systematic review. World Journal of Urology, 2017, 35, 1659-1668.	1.2	14
41	Regional Differences in Thrombectomy Rates. Clinical Neuroradiology, 2018, 28, 225-234.	1.0	13
42	The DebugIT core ontology: semantic integration of antibiotics resistance patterns. Studies in Health Technology and Informatics, 2010, 160, 1060-4.	0.2	13
43	Virtual patients in the acquisition of clinical reasoning skills: does presentation mode matter? A quasi-randomized controlled trial. BMC Medical Education, 2017, 17, 165.	1.0	12
44	Telemedicine in Intensive Care Units: Scoping Review. Journal of Medical Internet Research, 2021, 23, e32264.	2.1	12
45	Importance and benefits of the doctoral thesis for medical graduates. GMS Journal for Medical Education, 2016, 33, Doc8.	0.1	12
46	Adapting Clinical Ontologies in Real-World Environments. Journal of Universal Computer Science, 2008, 14, 3767-3780.	0.6	12
47	An ontology of image representations for medical image mining. , 2009, , .		11
48	Granularity Issues in the Alignment of Upper Ontologies. Methods of Information in Medicine, 2009, 48, 184-189.	0.7	10
49	Usability-driven pruning of large ontologies: the case of SNOMED CT. Journal of the American Medical Informatics Association: JAMIA, 2012, 19, e102-e109.	2.2	10
50	Multinational characterization of neurological phenotypes in patients hospitalized with COVID-19. Scientific Reports, 2021, 11, 20238.	1.6	10
51	Semantically equivalent PubMed and Ovid-MEDLINE queries: different retrieval results because of database subset inclusion. Journal of Clinical Epidemiology, 2012, 65, 915-916.	2.4	9
52	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
53	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.	0.1	8
54	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.	1.5	8

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55	Detection of a kappa-casein-specific lymphocyte response in milk-responsive atopic dermatitis. Clinical and Experimental Allergy, 1996, 26, 1380-1386.	1.4	8
56	The @neurIST ontology of intracranial aneurysms: providing terminological services for an integrated IT infrastructure. AMIA ... Annual Symposium proceedings, 2007, , 56-60.	0.2	8
57	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.	0.7	8
58	The experience of physicians in pharmacogenomic clinical decision support within eight German university hospitals. Pharmacogenomics, 2017, 18, 773-785.	0.6	7
59	How to compete with Google and Co.. Current Opinion in Urology, 2019, 29, 135-142.	0.9	7
60	International comparisons of laboratory values from the 4CE collaborative to predict COVID-19 mortality. Npj Digital Medicine, 2022, 5, .	5.7	7
61	Unintended consequences of existential quantifications in biomedical ontologies. BMC Bioinformatics, 2011, 12, 456.	1.2	6
62	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.	0.2	6
63	Availability of Structured Data Elements in Electronic Health Records for Supporting Patient Recruitment in Clinical Trials. Studies in Health Technology and Informatics, 2022, , .	0.2	6
64	Proposed actions are no actions: re-modeling an ontology design pattern with a realist top-level ontology. Journal of Biomedical Semantics, 2012, 3, S2.	0.9	5
65	Annotation of Human Exome Gene Variants with Consensus Pathogenicity. Genes, 2020, 11, 1076.	1.0	4
66	Exploring conceptual preprocessing for developing prognostic models: aÂcase study in low back pain patients. Journal of Clinical Epidemiology, 2020, 122, 27-34.	2.4	4
67	Effects of Guideline-Based Training on the Quality of Formal Ontologies: A Randomized Controlled Trial. PLoS ONE, 2013, 8, e61425.	1.1	4
68	The BioTop Family of Upper Level Ontological Resources for Biomedicine. Studies in Health Technology and Informatics, 2017, 235, 441-445.	0.2	4
69	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.	0.2	3
70	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.	1.3	3
71	Telemedicine in Intensive Care Units: Protocol for a Scoping Review. JMIR Research Protocols, 2020, 9, e19695.	0.5	3
72	OncoCase: interdisciplinary case based teaching in Neuro-Oncology based on the campus platform. AMIA ... Annual Symposium proceedings, 2005, , 898.	0.2	3

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73	A Systematic Review: The Effect of Cancer on the Divorce Rate. Frontiers in Psychology, 2022, 13, 828656.	1.1	3
74	DAT SPECT Predicts Survival in Patients Assessed for Differential Diagnosis of Dementia. Journal of Alzheimer's Disease, 2021, 82, 215-220.	1.2	3
75	Feasibility of an ontology driven tumor-node-metastasis classifier application: A study on colorectal cancer. , 2015, , .		2
76	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.	2.4	2
77	[123I]FP-CIT SPECT in Clinically Uncertain Parkinsonism Predicts Survival: AÂData-Driven Analysis. Journal of Parkinson's Disease, 2020, 10, 1457-1465.	1.5	2
78	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, .	0.5	2
79	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.	1.3	2
80	Usability Evaluation of a Modern Multilingual MeSH Browser. Studies in Health Technology and Informatics, 2022, , .	0.2	2
81	Automatic Generation of German Translation Candidates for SNOMED CT Textual Descriptions. Studies in Health Technology and Informatics, 2021, 281, 178-182.	0.2	1
82	A Multilingual Browser Platform for Medical Subject Headings. Studies in Health Technology and Informatics, 2022, 289, 384-387.	0.2	1
83	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.	0.2	1
84	Establishing an Interoperable Clinical Trial Information System Within MIRACUM. Studies in Health Technology and Informatics, 2019, 258, 216-220.	0.2	1
85	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.	1.0	0
86	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.	0.2	0
87	Classification of Patient Portals Described in Evaluation Studies Using the TOPCOP Taxonomy. Studies in Health Technology and Informatics, 2022, 292, 28-33.	0.2	0
88	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, , .	0.2	0