

Marco Spruit

List of Publications by Year in descending order

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Version: 2024-02-01

138
papers

1,683
citations

331670

21
h-index

414414

32
g-index

143
all docs

143
docs citations

143
times ranked

1488
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a Pipeline for Adverse Drug Reaction Identification in Clinical Notes: Word Embedding Models and String Matching. JMIR Medical Informatics, 2022, 10, e31063.	2.6	3
2	Exploring Language Markers of Mental Health in Psychiatric Stories. Applied Sciences (Switzerland), 2022, 12, 2179.	2.5	10
3	Federated learning for violence incident prediction in a simulated cross-institutional psychiatric setting. Expert Systems With Applications, 2022, 199, 116720.	7.6	16
4	Topic Modeling for Interpretable Text Classification From EHRs. Frontiers in Big Data, 2022, 5, .	2.9	15
5	Bias Discovery in Machine Learning Models for Mental Health. Information (Switzerland), 2022, 13, 237.	2.9	5
6	Machine Learning for Violence Risk Assessment Using Dutch Clinical Notes. Journal of Artificial Intelligence for Medical Sciences, 2021, 2, 44-54.	1.3	10
7	Self-Service Data Science for Adverse Event Prediction in Electronic Healthcare Records. Springer Proceedings in Complexity, 2021, , 517-535.	0.3	1
8	Business Intelligence in Secondary Education. , 2021, , 565-597.		0
9	Cybersecurity Standardisation for SMEs. , 2021, , 1252-1278.		1
10	The Cybersecurity Focus Area Maturity (CYSFAM) Model. Journal of Cybersecurity and Privacy, 2021, 1, 119-139.	3.9	11
11	Automatic Extraction of Adverse Drug Reactions from Summary of Product Characteristics. Applied Sciences (Switzerland), 2021, 11, 2663.	2.5	3
12	SYMBALS: A Systematic Review Methodology Blending Active Learning and Snowballing. Frontiers in Research Metrics and Analytics, 2021, 6, 685591.	1.9	21
13	Baseline characteristics and comparability of older multimorbid patients with polypharmacy and general practitioners participating in a randomized controlled primary care trial. BMC Family Practice, 2021, 22, 123.	2.9	12
14	Respite for SMEs: A Systematic Review of Socio-Technical Cybersecurity Metrics. Applied Sciences (Switzerland), 2021, 11, 6909.	2.5	9
15	Optimizing Therapy to Prevent Avoidable Hospital Admissions in Multimorbid Older Adults (OPERAM): cluster randomised controlled trial. BMJ, The, 2021, 374, n1585.	6.0	84
16	A Threat-Based Cybersecurity Risk Assessment Approach Addressing SME Needs. , 2021, , .		7
17	Automated Business Goal Extraction from E-mail Repositories to Bootstrap Business Understanding. Future Internet, 2021, 13, 243.	3.8	0
18	Open-CyKG: An Open Cyber Threat Intelligence Knowledge Graph. Knowledge-Based Systems, 2021, 233, 107524.	7.1	38

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19	The Effect of Countermeasure Readability on Security Intentions. Journal of Cybersecurity and Privacy, 2021, 1, 675-704.	3.9	2
20	A Shared Cyber Threat Intelligence Solution for SMEs. Electronics (Switzerland), 2021, 10, 2913.	3.1	10
21	A Comparative Study of Fuzzy Topic Models and LDA in terms of Interpretability. , 2021, , .		8
22	Clinical decision support for infection control in surgical care. , 2020, , 101-121.		1
23	Can We Survive without Labelled Data in NLP? Transfer Learning for Open Information Extraction. Applied Sciences (Switzerland), 2020, 10, 5758.	2.5	8
24	Combining Supervised and Unsupervised Machine Learning Methods for Phenotypic Functional Genomics Screening. SLAS Discovery, 2020, 25, 655-664.	2.7	13
25	Text Mining Business Policy Documents. International Journal of Business Intelligence Research, 2020, 11, 28-46.	0.9	6
26	Beware Thy Bias: Scaling Mobile Phone Data to Measure Traffic Intensities. Sustainability, 2020, 12, 3631.	3.2	4
27	Intervention protocol: OPTimising thERapy to prevent avoidable hospital Admission in the Multi-morbid elderly (OPERAM): a structured medication review with support of a computerised decision support system. BMC Health Services Research, 2020, 20, 220.	2.2	23
28	Evaluating sentence representations for biomedical text: Methods and experimental results. Journal of Biomedical Informatics, 2020, 104, 103396.	4.3	25
29	Exploring research data management planning challenges in practice. IT - Information Technology, 2020, 62, 29-37.	0.9	3
30	Computer-Assisted Relevance Assessment: A Case Study of Updating Systematic Medical Reviews. Applied Sciences (Switzerland), 2020, 10, 2845.	2.5	0
31	Self-Service Data Science in Healthcare with Automated Machine Learning. Applied Sciences (Switzerland), 2020, 10, 2992.	2.5	10
32	Making Sense of Violence Risk Predictions Using Clinical Notes. Lecture Notes in Computer Science, 2020, , 3-14.	1.3	7
33	Self-service Data Science for Healthcare Professionals: A Data Preparation Approach. , 2020, , .		3
34	Dutch Named Entity Recognition and De-Identification Methods for the Human Resource Domain. International Journal on Natural Language Computing, 2020, 9, 23-34.	0.2	1
35	Addressing SME Characteristics for Designing Information Security Maturity Models. IFIP Advances in Information and Communication Technology, 2020, , 161-174.	0.7	1
36	Evaluating Dutch Named Entity Recognition and De-Identification Methods in the Human Resource Domain. , 2020, , .		1

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37	3PM Revisited. International Journal of Business Intelligence Research, 2019, 10, 80-93.	0.9	1
38	Using Cluster Ensembles to Identify Psychiatric Patient Subgroups. Lecture Notes in Computer Science, 2019, , 252-262.	1.3	1
39	Machine Learning Approach to Inpatient Violence Risk Assessment Using Routinely Collected Clinical Notes in Electronic Health Records. JAMA Network Open, 2019, 2, e196709.	5.9	29
40	A Lightweight API-Based Approach for Building Flexible Clinical NLP Systems. Journal of Healthcare Engineering, 2019, 2019, 1-11.	1.9	2
41	Big Data Framework for Scalable and Efficient Biomedical Literature Mining in the Cloud. , 2019, , .		2
42	Towards Recognition of Textual Entailment in the Biomedical Domain. Lecture Notes in Computer Science, 2019, , 368-375.	1.3	5
43	Contextualized Word Embeddings in a Neural Open Information Extraction Model. Lecture Notes in Computer Science, 2019, , 359-367.	1.3	2
44	Mapping the global network of fisheries science collaboration. Fish and Fisheries, 2019, 20, 830-856.	5.3	14
45	A Questionnaire Model for Cybersecurity Maturity Assessment of Critical Infrastructures. Lecture Notes in Computer Science, 2019, , 49-60.	1.3	3
46	Managing Student Engagement in Higher Education Institutions: The Case of Curpa. , 2019, , 167-187.		0
47	Modelling adaptive information security for SMEs in a cluster. Journal of Intellectual Capital, 2019, 21, 235-256.	5.4	11
48	Cybersecurity Standardisation for SMEs. International Journal of Standardization Research, 2019, 17, 41-72.	0.7	4
49	Optimising Pharmacotherapy In the multimorbid elderly in primary Care™ (OPTICA) to improve medication appropriateness: study protocol of a cluster randomised controlled trial. BMJ Open, 2019, 9, e031080.	1.9	13
50	A Systematic Review of Open Source Clinical Software on GitHub for Improving Software Reuse in Smart Healthcare. Applied Sciences (Switzerland), 2019, 9, 150.	2.5	9
51	Designing Laboratory Forensics. Lecture Notes in Computer Science, 2019, , 238-251.	1.3	1
52	Rationale and design of OPTimising thERapy to prevent Avoidable hospital admissions in Multimorbid older people (OPERAM): a cluster randomised controlled trial. BMJ Open, 2019, 9, e026769.	1.9	36
53	UU_TAILS at MEDIQA 2019: Learning Textual Entailment in the Medical Domain. , 2019, , .		5
54	Supporting Reuse of EHR Data in Healthcare Organizations: The CARED Research Infrastructure Framework. , 2019, , .		2

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55	LOCATE: A Web Application to Link Open-source Clinical Software with Literature. , 2019, , .		1
56	STRIPA. , 2019, , 764-784.		0
57	PreMedOnto: A Computer Assisted Ontology for Precision Medicine. Lecture Notes in Computer Science, 2019, , 329-336.	1.3	1
58	Applied Data Science in Financial Industry. Springer Proceedings in Complexity, 2019, , 351-367.	0.3	2
59	The CRISP-DCW Method for Distributed Computing Workflows. Springer Proceedings in Complexity, 2019, , 325-341.	0.3	0
60	Selecting Priors for Latent Dirichlet Allocation. , 2018, , .		9
61	DEDUCE: A pattern matching method for automatic de-identification of Dutch medical text. Telematics and Informatics, 2018, 35, 727-736.	5.8	44
62	Exploring Symmetrical and Asymmetrical Dirichlet Priors for Latent Dirichlet Allocation. International Journal of Semantic Computing, 2018, 12, 399-423.	0.5	12
63	Comparing Deep Learning and Classical Machine Learning Approaches for Predicting Inpatient Violence Incidents from Clinical Text. Applied Sciences (Switzerland), 2018, 8, 981.	2.5	50
64	Improving Operational Risk Management Using Business Performance Management Technologies. Sustainability, 2018, 10, 640.	3.2	14
65	Automated Contradiction Detection in Biomedical Literature. Lecture Notes in Computer Science, 2018, , 138-148.	1.3	6
66	Narrow lenses for capturing the complexity of fisheries: A topic analysis of fisheries science from 1990 to 2016. Fish and Fisheries, 2018, 19, 643-661.	5.3	34
67	Bridging the information gap of disaster responders by optimizing data selection using cost and quality. Computers and Geosciences, 2018, 120, 60-72.	4.2	22
68	The SNPcurator: literature mining of enriched SNP-disease associations. Database: the Journal of Biological Databases and Curation, 2018, 2018, .	3.0	8
69	Effective and Efficient Business Intelligence Dashboard Design. Advances in Bioinformatics and Biomedical Engineering Book Series, 2018, , 243-271.	0.4	4
70	Speech Technology in Dutch Health Care: A Qualitative Study. , 2018, , .		3
71	Business Intelligence in Secondary Education. Advances in Knowledge Acquisition, Transfer and Management Book Series, 2018, , 56-90.	0.2	0
72	Devices Used for Non-Invasive Tele Homecare for Cardiovascular Patients - A Systematic Literature Review. , 2018, , .		0

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73	Improving Comprehension Efficiency of High Content Screening Data Through Interactive Visualizations. Assay and Drug Development Technologies, 2017, 15, 247-256.	1.2	3
74	Asynchronous social search as a single point of access to information. Library Hi Tech, 2017, 35, 649-664.	5.1	0
75	Full-Text or Abstract? Examining Topic Coherence Scores Using Latent Dirichlet Allocation. , 2017, , .		172
76	Maturing Pay-as-you-go Data Quality Management: Towards Decision Support for Paying the Larger Bills. Communications in Computer and Information Science, 2017, , 102-124.	0.5	2
77	Risk Mediation in Association Rules. Lecture Notes in Computer Science, 2017, , 327-331.	1.3	2
78	Sign-Lingo - Feasibility of a Serious Game for Involving Parents in the Language Development of Their Deaf or Hearing Impaired Child. , 2017, , .		0
79	Consumer Engagement Characteristics in Mobile Advertising. , 2017, , .		4
80	To what extent can prescriptions be meaningfully exchanged between primary care terminologies? A case study of four western European classification systems. IET Software, 2017, 11, 256-264.	2.1	0
81	Transitioning to a Data Driven Mental Health Practice: Collaborative Expert Sessions for Knowledge and Hypothesis Finding. Computational and Mathematical Methods in Medicine, 2016, 2016, 1-11.	1.3	15
82	HC StratoMineR: A Web-Based Tool for the Rapid Analysis of High-Content Datasets. Assay and Drug Development Technologies, 2016, 14, 439-452.	1.2	11
83	An analytics approach to adaptive maturity models using organizational characteristics. Decision Analytics, 2016, 3, .	1.4	6
84	Organizational Characteristics Influencing SME Information Security Maturity. Journal of Computer Information Systems, 2016, 56, 106-115.	2.9	28
85	The sociability score: App-based social profiling from a healthcare perspective. Computers in Human Behavior, 2016, 59, 39-48.	8.5	44
86	Efficiency of Clinical Decision Support Systems Improves with Experience. Journal of Medical Systems, 2016, 40, 76.	3.6	24
87	PMOMM. International Journal of Knowledge Society Research, 2016, 7, 47-61.	0.8	2
88	Power to the People! - Meta-Algorithmic Modelling in Applied Data Science. , 2016, , .		12
89	The Performance Mining Method. , 2016, , 181-199.		0
90	STRIPA. Advances in Medical Technologies and Clinical Practice Book Series, 2016, , 114-135.	0.3	0

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91	Quantifying Education Quality in Secondary Schools. , 2016, , 1632-1664.		0
92	Business Intelligence as a Service. , 2016, , 2030-2048.		0
93	Bootstrapping a Semantic Lexicon on Verb Similarities. , 2016, , .		3
94	Data quality management in the public domain: a case study within the Dutch justice system. International Journal of Information Quality, 2015, 4, 1.	0.2	2
95	Computerized Decision Support Improves Medication Review Effectiveness: An Experiment Evaluating the STRIP Assistant's Usability. Drugs and Aging, 2015, 32, 495-503.	2.7	66
96	Towards decision analytics in product portfolio management. Decision Analytics, 2015, 2, .	1.4	6
97	MD3M: The master data management maturity model. Computers in Human Behavior, 2015, 51, 1068-1076.	8.5	45
98	Determining the Relative Importance of Webpages Based on Social Signals Using the Social Score and the Potential Role of the Social Score in an Asynchronous Social Search Engine. Communications in Computer and Information Science, 2015, , 118-131.	0.5	1
99	The Performance Mining Method. International Journal of Business Intelligence Research, 2015, 6, 11-29.	0.9	2
100	Effective and Efficient Classification of Topically-Enriched Domain-Specific Text Snippets. International Journal of Strategic Decision Sciences, 2015, 6, 1-17.	0.0	3
101	CIRA: A Competitive Intelligence Reference Architecture for Dynamic Solutions. , 2015, , .		1
102	Towards Reusability of Computational Experiments - Capturing and Sharing Research Objects from Knowledge Discovery Processes. , 2015, , .		3
103	Business Intelligence as a Service. International Journal of Business Intelligence Research, 2014, 5, 26-43.	0.9	4
104	Exploring Big Data Opportunities for Online Customer Segmentation. International Journal of Business Intelligence Research, 2014, 5, 58-75.	0.9	9
105	Understanding users' behavior with software operation data mining. Computers in Human Behavior, 2014, 30, 583-594.	8.5	34
106	Towards healthcare business intelligence in long-term care. Computers in Human Behavior, 2014, 30, 698-707.	8.5	55
107	Improving short-term demand forecasting for short-lifecycle consumer products with data mining techniques. Decision Analytics, 2014, 1, .	1.4	14
108	Towards Improved Music Recommendation. International Journal of Multimedia Data Engineering and Management, 2014, 5, 34-51.	0.4	1

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109	The Social Score - Determining the Relative Importance of Webpages Based on Online Social Signals. , 2014, , .		3
110	Integrating Knowledge Engineering and Data Mining in e-commerce Fraud Prediction. Communications in Computer and Information Science, 2013, , 460-466.	0.5	0
111	General practitionersâ€™ attitudes towards decision-supported prescribing: An analysis of the Dutch primary care sector. Health Informatics Journal, 2013, 19, 247-263.	2.1	21
112	Mobile Business Intelligence: Key Considerations for Implementations Projects. Journal of Computer Information Systems, 2013, 54, 23-33.	2.9	21
113	The SeCA Model. , 2013, , 19-35.		1
114	Maturity for Sustainability in IT. International Journal of Information Technologies and Systems Approach, 2013, 6, 39-56.	1.4	4
115	Introducing the CORETeSt Feasibility Analysis in Medical Informatics. , 2013, , 1066-1087.		0
116	Information Architecture in High Throughput Screening. Procedia Technology, 2012, 5, 696-705.	1.1	1
117	The Pricing Strategy Guideline Framework for SaaS Vendors. International Journal of Strategic Information Technology and Applications, 2012, 3, 38-53.	0.6	6
118	CITS. International Journal of Information Security and Privacy, 2012, 6, 94-116.	0.8	1
119	Performance Management within Social Network Sites. International Journal of Business Intelligence Research, 2012, 3, 49-63.	0.9	10
120	Designing a Secure Cloud Architecture. International Journal of Information Security and Privacy, 2012, 6, 14-32.	0.8	10
121	Web 2.0-based webstrategies for three different types of organizations. Computers in Human Behavior, 2011, 27, 1399-1407.	8.5	15
122	Web 2.0 in the CRM domain: defining social CRM. International Journal of Electronic Customer Relationship Management, 2011, 5, 1.	0.2	71
123	An Assessment Tool for Establishing Infrastructure as a Service Capability Maturity. Service Science: Research and Innovations in the Service Economy, 2011, , 133-144.	1.1	0
124	The Situational Assessment Method put to the test: Improvements based on case studies. , 2010, , .		11
125	A Framework for Process Improvement in Software Product Management. Communications in Computer and Information Science, 2010, , 1-12.	0.5	32
126	Historical Data Analysis through Data Mining From an Outsourcing Perspective. International Journal of Business Intelligence Research, 2010, 1, 42-65.	0.9	15

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127	Bridging the Gap between Web 2.0 Technologies and Social Computing Principles. Communications in Computer and Information Science, 2010, , 430-443.	0.5	0
128	Associations among linguistic levels. Lingua, 2009, 119, 1624-1642.	1.0	32
129	Developing a Reference Method for Knowledge Auditing. Lecture Notes in Computer Science, 2008, , 147-159.	1.3	8
130	Measuring Syntactic Variation in Dutch Dialects. Literary and Linguistic Computing, 2006, 21, 493-506.	0.6	31
131	Classifying Dutch dialects using a syntactic measure. Linguistics in the Netherlands, 2005, 22, 179-190.	0.1	4
132	Laboratory Forensics for Open Science Readiness: an Investigative Approach to Research Data Management. Information Systems Frontiers, 0, , 1.	6.4	1
133	BI-FIT. Advances in Business Information Systems and Analytics Book Series, 0, , 162-177.	0.4	5
134	Software as a Service and the Pricing Strategy for Vendors. , 0, , 154-192.		9
135	Historical Data Analysis through Data Mining from an Outsourcing Perspective. , 0, , 236-260.		5
136	Exploring the Impact of Web 2.0 on Knowledge Management. , 0, , 17-43.		2
137	Selecting and Implementing Identity and Access Management Technologies. , 0, , 348-365.		0
138	The Emerging Value of Social Computing in Business Model Innovation. , 0, , 112-134.		0