

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	Full-Text or Abstract? Examining Topic Coherence Scores Using Latent Dirichlet Allocation. , 2017, , .		172
2	Optimizing Therapy to Prevent Avoidable Hospital Admissions in Multimorbid Older Adults (OPERAM): cluster randomised controlled trial. <i>BMJ</i> , The, 2021, 374, n1585.	6.0	84
3	Web 2.0 in the CRM domain: defining social CRM. <i>International Journal of Electronic Customer Relationship Management</i> , 2011, 5, 1.	0.2	71
4	Computerized Decision Support Improves Medication Review Effectiveness: An Experiment Evaluating the STRIP Assistant's Usability. <i>Drugs and Aging</i> , 2015, 32, 495-503.	2.7	66
5	Towards healthcare business intelligence in long-term care. <i>Computers in Human Behavior</i> , 2014, 30, 698-707.	8.5	55
6	Comparing Deep Learning and Classical Machine Learning Approaches for Predicting Inpatient Violence Incidents from Clinical Text. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 981.	2.5	50
7	MD3M: The master data management maturity model. <i>Computers in Human Behavior</i> , 2015, 51, 1068-1076.	8.5	45
8	The sociability score: App-based social profiling from a healthcare perspective. <i>Computers in Human Behavior</i> , 2016, 59, 39-48.	8.5	44
9	DEDUCE: A pattern matching method for automatic de-identification of Dutch medical text. <i>Telematics and Informatics</i> , 2018, 35, 727-736.	5.8	44
10	Open-CyKG: An Open Cyber Threat Intelligence Knowledge Graph. <i>Knowledge-Based Systems</i> , 2021, 233, 107524.	7.1	38
11	Rationale and design of OPTimising thERapy to prevent Avoidable hospital admissions in Multimorbid older people (OPERAM): a cluster randomised controlled trial. <i>BMJ Open</i> , 2019, 9, e026769.	1.9	36
12	Understanding users' behavior with software operation data mining. <i>Computers in Human Behavior</i> , 2014, 30, 583-594.	8.5	34
13	Narrow lenses for capturing the complexity of fisheries: A topic analysis of fisheries science from 1990 to 2016. <i>Fish and Fisheries</i> , 2018, 19, 643-661.	5.3	34
14	Associations among linguistic levels. <i>Lingua</i> , 2009, 119, 1624-1642.	1.0	32
15	A Framework for Process Improvement in Software Product Management. <i>Communications in Computer and Information Science</i> , 2010, , 1-12.	0.5	32
16	Measuring Syntactic Variation in Dutch Dialects. <i>Literary and Linguistic Computing</i> , 2006, 21, 493-506.	0.6	31
17	Machine Learning Approach to Inpatient Violence Risk Assessment Using Routinely Collected Clinical Notes in Electronic Health Records. <i>JAMA Network Open</i> , 2019, 2, e196709.	5.9	29
18	Organizational Characteristics Influencing SME Information Security Maturity. <i>Journal of Computer Information Systems</i> , 2016, 56, 106-115.	2.9	28

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19	Evaluating sentence representations for biomedical text: Methods and experimental results. Journal of Biomedical Informatics, 2020, 104, 103396.	4.3	25
20	Efficiency of Clinical Decision Support Systems Improves with Experience. Journal of Medical Systems, 2016, 40, 76.	3.6	24
21	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
22	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
23	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
24	Mobile Business Intelligence: Key Considerations for Implementations Projects. Journal of Computer Information Systems, 2013, 54, 23-33.	2.9	21
25	SYMBALS: A Systematic Review Methodology Blending Active Learning and Snowballing. Frontiers in Research Metrics and Analytics, 2021, 6, 685591.	1.9	21
26	Federated learning for violence incident prediction in a simulated cross-institutional psychiatric setting. Expert Systems With Applications, 2022, 199, 116720.	7.6	16
27	Web 2.0-based webstrategies for three different types of organizations. Computers in Human Behavior, 2011, 27, 1399-1407.	8.5	15
28	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
29	Historical Data Analysis through Data Mining From an Outsourcing Perspective. International Journal of Business Intelligence Research, 2010, 1, 42-65.	0.9	15
30	Topic Modeling for Interpretable Text Classification From EHRs. Frontiers in Big Data, 2022, 5, .	2.9	15
31	Improving short-term demand forecasting for short-lifecycle consumer products with data mining techniques. Decision Analytics, 2014, 1, .	1.4	14
32	Improving Operational Risk Management Using Business Performance Management Technologies. Sustainability, 2018, 10, 640.	3.2	14
33	Mapping the global network of fisheries science collaboration. Fish and Fisheries, 2019, 20, 830-856.	5.3	14
34	â€œOptimising Pharmacotherapy In the multimorbid elderly in primary CAREâ€™ (OPTICA) to improve medication appropriateness: study protocol of a cluster randomised controlled trial. BMJ Open, 2019, 9, e031080.	1.9	13
35	Combining Supervised and Unsupervised Machine Learning Methods for Phenotypic Functional Genomics Screening. SLAS Discovery, 2020, 25, 655-664.	2.7	13
36	Exploring Symmetrical and Asymmetrical Dirichlet Priors for Latent Dirichlet Allocation. International Journal of Semantic Computing, 2018, 12, 399-423.	0.5	12

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37	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
38	Power to the People! - Meta-Algorithmic Modelling in Applied Data Science. , 2016, , .		12
39	The Situational Assessment Method put to the test: Improvements based on case studies. , 2010, , .		11
40	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
41	Modelling adaptive information security for SMEs in a cluster. Journal of Intellectual Capital, 2019, 21, 235-256.	5.4	11
42	The Cybersecurity Focus Area Maturity (CYSFAM) Model. Journal of Cybersecurity and Privacy, 2021, 1, 119-139.	3.9	11
43	Self-Service Data Science in Healthcare with Automated Machine Learning. Applied Sciences (Switzerland), 2020, 10, 2992.	2.5	10
44	Machine Learning for Violence Risk Assessment Using Dutch Clinical Notes. Journal of Artificial Intelligence for Medical Sciences, 2021, 2, 44-54.	1.3	10
45	Performance Management within Social Network Sites. International Journal of Business Intelligence Research, 2012, 3, 49-63.	0.9	10
46	Designing a Secure Cloud Architecture. International Journal of Information Security and Privacy, 2012, 6, 14-32.	0.8	10
47	A Shared Cyber Threat Intelligence Solution for SMEs. Electronics (Switzerland), 2021, 10, 2913.	3.1	10
48	Exploring Language Markers of Mental Health in Psychiatric Stories. Applied Sciences (Switzerland), 2022, 12, 2179.	2.5	10
49	Exploring Big Data Opportunities for Online Customer Segmentation. International Journal of Business Intelligence Research, 2014, 5, 58-75.	0.9	9
50	Selecting Priors for Latent Dirichlet Allocation. , 2018, , .		9
51	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
52	Respite for SMEs: A Systematic Review of Socio-Technical Cybersecurity Metrics. Applied Sciences (Switzerland), 2021, 11, 6909.	2.5	9
53	Software as a Service and the Pricing Strategy for Vendors. , 0, , 154-192.		9
54	The SNPcurator: literature mining of enriched SNP-disease associations. Database: the Journal of Biological Databases and Curation, 2018, 2018, .	3.0	8

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55	Can We Survive without Labelled Data in NLP? Transfer Learning for Open Information Extraction. Applied Sciences (Switzerland), 2020, 10, 5758.	2.5	8
56	Developing a Reference Method for Knowledge Auditing. Lecture Notes in Computer Science, 2008, , 147-159.	1.3	8
57	A Comparative Study of Fuzzy Topic Models and LDA in terms of Interpretability. , 2021, , .		8
58	A Threat-Based Cybersecurity Risk Assessment Approach Addressing SME Needs. , 2021, , .		7
59	Making Sense of Violence Risk Predictions Using Clinical Notes. Lecture Notes in Computer Science, 2020, , 3-14.	1.3	7
60	The Pricing Strategy Guideline Framework for SaaS Vendors. International Journal of Strategic Information Technology and Applications, 2012, 3, 38-53.	0.6	6
61	Towards decision analytics in product portfolio management. Decision Analytics, 2015, 2, .	1.4	6
62	An analytics approach to adaptive maturity models using organizational characteristics. Decision Analytics, 2016, 3, .	1.4	6
63	Automated Contradiction Detection in Biomedical Literature. Lecture Notes in Computer Science, 2018, , 138-148.	1.3	6
64	Text Mining Business Policy Documents. International Journal of Business Intelligence Research, 2020, 11, 28-46.	0.9	6
65	Towards Recognition of Textual Entailment in the Biomedical Domain. Lecture Notes in Computer Science, 2019, , 368-375.	1.3	5
66	UU_TAILS at MEDIQA 2019: Learning Textual Entailment in the Medical Domain. , 2019, , .		5
67	BI-FIT. Advances in Business Information Systems and Analytics Book Series, 0, , 162-177.	0.4	5
68	Historical Data Analysis through Data Mining from an Outsourcing Perspective. , 0, , 236-260.		5
69	Bias Discovery in Machine Learning Models for Mental Health. Information (Switzerland), 2022, 13, 237.	2.9	5
70	Classifying Dutch dialects using a syntactic measure. Linguistics in the Netherlands, 2005, 22, 179-190.	0.1	4
71	Business Intelligence as a Service. International Journal of Business Intelligence Research, 2014, 5, 26-43.	0.9	4
72	Cybersecurity Standardisation for SMEs. International Journal of Standardization Research, 2019, 17, 41-72.	0.7	4

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73	Beware Thy Bias: Scaling Mobile Phone Data to Measure Traffic Intensities. Sustainability, 2020, 12, 3631.	3.2	4
74	Effective and Efficient Business Intelligence Dashboard Design. Advances in Bioinformatics and Biomedical Engineering Book Series, 2018, , 243-271.	0.4	4
75	Maturity for Sustainability in IT. International Journal of Information Technologies and Systems Approach, 2013, 6, 39-56.	1.4	4
76	Consumer Engagement Characteristics in Mobile Advertising. , 2017, , .		4
77	Improving Comprehension Efficiency of High Content Screening Data Through Interactive Visualizations. Assay and Drug Development Technologies, 2017, 15, 247-256.	1.2	3
78	A Questionnaire Model for Cybersecurity Maturity Assessment of Critical Infrastructures. Lecture Notes in Computer Science, 2019, , 49-60.	1.3	3
79	Exploring research data management planning challenges in practice. IT - Information Technology, 2020, 62, 29-37.	0.9	3
80	Automatic Extraction of Adverse Drug Reactions from Summary of Product Characteristics. Applied Sciences (Switzerland), 2021, 11, 2663.	2.5	3
81	Effective and Efficient Classification of Topically-Enriched Domain-Specific Text Snippets. International Journal of Strategic Decision Sciences, 2015, 6, 1-17.	0.0	3
82	The Social Score - Determining the Relative Importance of Webpages Based on Online Social Signals. , 2014, , .		3
83	Towards Reusability of Computational Experiments - Capturing and Sharing Research Objects from Knowledge Discovery Processes. , 2015, , .		3
84	Bootstrapping a Semantic Lexicon on Verb Similarities. , 2016, , .		3
85	Speech Technology in Dutch Health Care: A Qualitative Study. , 2018, , .		3
86	Self-service Data Science for Healthcare Professionals: A Data Preparation Approach. , 2020, , .		3
87	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
88	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
89	A Lightweight API-Based Approach for Building Flexible Clinical NLP Systems. Journal of Healthcare Engineering, 2019, 2019, 1-11.	1.9	2
90	Big Data Framework for Scalable and Efficient Biomedical Literature Mining in the Cloud. , 2019, , .		2

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91	Contextualized Word Embeddings in a Neural Open Information Extraction Model. Lecture Notes in Computer Science, 2019, , 359-367.	1.3	2
92	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
93	The Performance Mining Method. International Journal of Business Intelligence Research, 2015, 6, 11-29.	0.9	2
94	PMOMM. International Journal of Knowledge Society Research, 2016, 7, 47-61.	0.8	2
95	Supporting Reuse of EHR Data in Healthcare Organizations: The CARED Research Infrastructure Framework. , 2019, , .		2
96	Risk Mediation in Association Rules. Lecture Notes in Computer Science, 2017, , 327-331.	1.3	2
97	Applied Data Science in Financial Industry. Springer Proceedings in Complexity, 2019, , 351-367.	0.3	2
98	Exploring the Impact of Web 2.0 on Knowledge Management. , 0, , 17-43.		2
99	The Effect of Countermeasure Readability on Security Intentions. Journal of Cybersecurity and Privacy, 2021, 1, 675-704.	3.9	2
100	Information Architecture in High Throughput Screening. Procedia Technology, 2012, 5, 696-705.	1.1	1
101	CITS. International Journal of Information Security and Privacy, 2012, 6, 94-116.	0.8	1
102	3PM Revisited. International Journal of Business Intelligence Research, 2019, 10, 80-93.	0.9	1
103	Using Cluster Ensembles to Identify Psychiatric Patient Subgroups. Lecture Notes in Computer Science, 2019, , 252-262.	1.3	1
104	Clinical decision support for infection control in surgical care. , 2020, , 101-121.		1
105	Self-Service Data Science for Adverse Event Prediction in Electronic Healthcare Records. Springer Proceedings in Complexity, 2021, , 517-535.	0.3	1
106	Cybersecurity Standardisation for SMEs. , 2021, , 1252-1278.		1
107	Laboratory Forensics for Open Science Readiness: an Investigative Approach to Research Data Management. Information Systems Frontiers, 0, , 1.	6.4	1
108	Designing Laboratory Forensics. Lecture Notes in Computer Science, 2019, , 238-251.	1.3	1

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109	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
110	The SeCA Model. , 2013, , 19-35.		1
111	Towards Improved Music Recommendation. International Journal of Multimedia Data Engineering and Management, 2014, 5, 34-51.	0.4	1
112	CIRA: A Competitive Intelligence Reference Architecture for Dynamic Solutions. , 2015, , .		1
113	LOCATE: A Web Application to Link Open-source Clinical Software with Literature. , 2019, , .		1
114	PreMedOnto: A Computer Assisted Ontology for Precision Medicine. Lecture Notes in Computer Science, 2019, , 329-336.	1.3	1
115	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
116	Addressing SME Characteristics for Designing Information Security Maturity Models. IFIP Advances in Information and Communication Technology, 2020, , 161-174.	0.7	1
117	Evaluating Dutch Named Entity Recognition and De-Identification Methods in the Human Resource Domain. , 2020, , .		1
118	Integrating Knowledge Engineering and Data Mining in e-commerce Fraud Prediction. Communications in Computer and Information Science, 2013, , 460-466.	0.5	0
119	Asynchronous social search as a single point of access to information. Library Hi Tech, 2017, 35, 649-664.	5.1	0
120	Managing Student Engagement in Higher Education Institutions: The Case of Curpa. , 2019, , 167-187.		0
121	Computer-Assisted Relevance Assessment: A Case Study of Updating Systematic Medical Reviews. Applied Sciences (Switzerland), 2020, 10, 2845.	2.5	0
122	Business Intelligence in Secondary Education. , 2021, , 565-597.		0
123	Automated Business Goal Extraction from E-mail Repositories to Bootstrap Business Understanding. Future Internet, 2021, 13, 243.	3.8	0
124	Bridging the Gap between Web 2.0 Technologies and Social Computing Principles. Communications in Computer and Information Science, 2010, , 430-443.	0.5	0
125	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
126	Introducing the CoRETeSt Feasibility Analysis in Medical Informatics. , 2013, , 1066-1087.		0

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127	The Performance Mining Method. , 2016, , 181-199.		0
128	STRIPA. Advances in Medical Technologies and Clinical Practice Book Series, 2016, , 114-135.	0.3	0
129	Quantifying Education Quality in Secondary Schools. , 2016, , 1632-1664.		0
130	Business Intelligence as a Service. , 2016, , 2030-2048.		0
131	Sign-Lingo - Feasibility of a Serious Game for Involving Parents in the Language Development of Their Deaf or Hearing Impaired Child. , 2017, , .		0
132	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
133	Business Intelligence in Secondary Education. Advances in Knowledge Acquisition, Transfer and Management Book Series, 2018, , 56-90.	0.2	0
134	Devices Used for Non-Invasive Tele Homecare for Cardiovascular Patients - A Systematic Literature Review. , 2018, , .		0
135	STRIPA. , 2019, , 764-784.		0
136	The CRISP-DCW Method for Distributed Computing Workflows. Springer Proceedings in Complexity, 2019, , 325-341.	0.3	0
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