

# Daniel Siahaan

## List of Publications by Year in descending order

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Version: 2024-02-01

68  
papers

401  
citations

1163065

8  
h-index

1199563

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g-index

69  
all docs

69  
docs citations

69  
times ranked

111  
citing authors

#	ARTICLE	IF	CITATIONS
1	LONTAR_DETCT: Dense and High Variance Balinese Character Detection Method in <i>Lontar</i> Manuscripts. IEEE Access, 2022, 10, 14600-14609.	4.2	2
2	Automatic question generation with various difficulty levels based on knowledge ontology using a query template. Knowledge-Based Systems, 2022, 249, 108906.	7.1	4
3	User Stories and Natural Language Processing: A Systematic Literature Review. IEEE Access, 2021, 9, 53811-53826.	4.2	44
4	Modeling Business Rule Parallelism by Introducing Inclusive and Complex Gateways in Semantics of Business Vocabulary and Rules. International Journal of Intelligent Engineering and Systems, 2021, 14, 281-295.	0.6	1
5	Software Requirement-Related Information Extraction from Online News using Domain Specificity for Requirements Elicitation. , 2021, , .		1
6	A Different Approach on Automated Use Case Diagram Semantic Assessment. International Journal of Intelligent Engineering and Systems, 2021, 14, 496-505.	0.6	8
7	Automated Class Diagram Assessment using Semantic and Structural Similarities. International Journal of Intelligent Engineering and Systems, 2021, 14, 52-66.	0.6	1
8	MAT-AGCA: Multi Augmentation Technique on small dataset for Balinese character recognition using Convolutional Neural Network. ICT Express, 2021, 7, 521-529.	4.8	12
9	A Novel Approach to Automated Behavioral Diagram Assessment using Label Similarity and Subgraph Edit Distance. Computer Science, 2021, 22, .	0.6	3
10	Software similarity measurements using UML diagrams: A systematic literature review. Register: Jurnal Ilmiah Teknologi Sistem Informasi, 2021, 8, 10.	1.1	4
11	Information security vulnerability prediction based on business process model using machine learning approach. Computers and Security, 2021, 110, 102422.	6.0	8
12	A Performance Comparison of Balinese Carving Motif Detection and Recognition using YOLOv5 and Mask R-CNN. , 2021, , .		6
13	Adapting The User-Centered Cognitive Walkthrough (UC-CW) for Assessing the User Experience of Smart Regency Mobile-Apps Service in Indonesia. , 2021, , .		1
14	Smart Regency E-Service Quality Analysis with Multidimensional Hierarchical Model (MHM) approach: an empirical study of Madura District. , 2020, , .		6
15	A model of smart regency framework using Meta-ethnography approach and TOGAF ADM 9.1. Journal of Physics: Conference Series, 2020, 1569, 022005.	0.4	11
16	Understanding Indonesian Citizenâ€™s Continuance Intention to Use Mobile-based Smart City: A Perspective of Modified Expectation Confirmation Model (M-ECM). , 2020, , .		2
17	Text Summarization of Indonesian Folklore with Word Frequency Concept. , 2020, , .		0
18	Neural Style Transfer and Geometric Transformations for Data Augmentation on Balinese Carving Recognition using MobileNet. International Journal of Intelligent Engineering and Systems, 2020, 13, 349-363.	0.6	9

#	ARTICLE	IF	CITATIONS
19	Extraction Dependency Based on Evolutionary Requirement Using Natural Language Processing. , 2020, , .		3
20	Exploring Success Factor for Mobile based Smart Regency Service using TRUTAUT Model Approach. , 2020, , .		7
21	Inter-Structure and Intra-Structure Similarity of Use Case Diagram using Greedy Graph Edit Distance. , 2020, , .		3
22	Structural Similarity Measurement using Graph Edit Distance-Greedy on State chart Diagrams. , 2020, , .		1
23	Automatic Question Generation In Education Domain Based On Ontology. , 2020, , .		1
24	Exploring Factors Influencing Smart Sustainable City Adoption using E-Government Services Effectiveness Evaluation Framework (E-GEEF). , 2020, , .		6
25	E-Service Quality Assesment of Mobile-based Smart Regency with M-S-QUAL Approach. , 2020, , .		2
26	Hienâ€™s Framework for Examining Information System Quality of Mobile-based Smart Regency Service in Madura Island Districts. , 2020, , .		2
27	A hybrid Approach with Balanced Score Card and Fuzzy Topsis Method for Identifying Critical Factors Affecting Smart Regency Development. , 2020, , .		5
28	Identifying the Differing Service Maturity Levels of Mobile-based Smart Regency with e-Government Adoption Model (GAM) framework. , 2020, , .		9
29	Transfer Learning on Balinese Character Recognition of Lontar Manuscript Using MobileNet. , 2020, , .		5
30	Mobile-based Smart District Holistic Values And Social Dimensions: a Citizen-centric Perspective. , 2020, , .		5
31	Balinese Carving Recognition using Pre-Trained Convolutional Neural Network. , 2020, , .		4
32	User Interface and Usability Assessment of mobile- based Smart City using Webqual 4.0 Approach: an insight of Madura Island Districts. , 2020, , .		2
33	Weighted knn using grey relational analysis for cross-project defect prediction. Journal of Physics: Conference Series, 2019, 1230, 012062.	0.4	0
34	Requirements Dependency Graph Modeling on Software Requirements Specification Using Text Analysis. , 2019, , .		7
35	Use Case Diagram Similarity Measurement: A New Approach. , 2019, , .		11
36	Classification of Non-Functional Requirements Using Fuzzy Similarity KNN Based on ISO / IEC 25010. , 2019, , .		9

#	ARTICLE	IF	CITATIONS
37	Feature extraction from app reviews in google play store by considering infrequent feature and app description. Journal of Physics: Conference Series, 2019, 1230, 012007.	0.4	4
38	Automatic Question Generation with Classification Based on Mind Map. , 2019, , .		4
39	Sequence Diagram Similarity Measurement: A Different Approach. , 2019, , .		8
40	Pair Extraction of Aspect and Implicit Opinion Word based on its Co-occurrence in Corpus of Bahasa Indonesia. , 2019, , .		4
41	User Story Extraction from Online News for Software Requirements Elicitation: A Conceptual Model. , 2019, , .		21
42	Detecting Non-Atomic Requirements in Software Requirements Specifications Using Classification Methods. , 2019, , .		7
43	Software defect detection based on selected complexity metrics using fuzzy association rule mining and defective module oversampling. , 2019, , .		1
44	Identifying Success Factors in Smart City Readiness using a Structure Equation Modelling Approach. , 2019, , .		23
45	Object-Oriented Data Flow Diagram Similarity Measurement Using Greedy Algorithm. , 2019, , .		1
46	Generating Requirement Dependency Graph Based on Class Dependency. IPTEK: the Journal for Technology and Science, 2019, 29, 56.	0.3	2
47	A Conceptual Model for Information Security Risk Considering Business Process Perspective. , 2018, , .		8
48	Activity Diagram Similarity Measurement: A Different Approach. , 2018, , .		9
49	Class Diagram Similarity Measurement: A Different Approach. , 2018, , .		12
50	Indonesian Question Generation Based on Bloom's Taxonomy Using Text Analysis. , 2018, , .		1
51	Mobile App Review Labeling Using LDA Similarity and Term Frequency-Inverse Cluster Frequency (TF-ICF). , 2018, , .		8
52	Rekomendasi Perbaikan Pernyataan Kebutuhan yang Rancu dalam Spesifikasi Kebutuhan Perangkat Lunak Menggunakan Teknik Berbasis Aturan. Jurnal Teknologi Informasi Dan Ilmu Komputer, 2018, 5, 207-216.	0.1	2
53	A new approach for modeling researcher community based on scientific article metadata using natural language processing. , 2017, , .		3
54	A new strategy for developing scientific community model based on scientific article publication. , 2017, , .		0

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55	Mapping requirements into e-commerce adoption level: A case study Indonesia SMEs. , 2017, , .		4
56	Structural and semantic similarity measurement of UML sequence diagrams. , 2017, , .		8
57	A Maturity Model for E-Commerce Adoption By Small And Medium Enterprises In Indonesia. Journal of Electronic Commerce in Organizations, 2017, 15, 44-58.	1.1	11
58	Accuracy Improvement of the Estimations Effort in Constructive Cost Model II Based on Logic Model of Fuzzy. Advanced Science Letters, 2017, 23, 2478-2480.	0.2	10
59	Software feature extraction using infrequent feature extraction. , 2016, , .		4
60	Liquid volume monitoring based on ultrasonic sensor and Arduino microcontroller. IOP Conference Series: Materials Science and Engineering, 2016, 128, 012026.	0.6	11
61	Mapping Metric Between Meaningful Learning Characteristics and Moodle Activities. International Review on Computers and Software, 2016, 11, 1083.	0.1	3
62	Automatic Indonesia's questions classification based on bloom's taxonomy using Natural Language Processing a preliminary study. , 2015, , .		7
63	Using Semantic Similarity for Identifying Relevant Page Numbers for Indexed Term of Textual Book. Communications in Computer and Information Science, 2015, , 183-192.	0.5	2
64	A new model of students participation measurement in e-learning systems based on meaningful learning characteristics: An initial investigation. , 2014, , .		2
65	Determining e-commerce adoption level by SMEs in Indonesia based on customer-oriented benefits. , 2014, , .		4
66	Development of a conceptual model of E-commerce adoption for SMEs in Indonesia. , 2013, , .		4
67	Advanced Methodology for Requirements Engineering Technique Solution (AMRETS). International Journal of Advancements in Computing Technology, 2012, 4, 75-82.	0.1	7
68	Pavement Distress Classification Using Deep Learning Method Based on Digital Image. , 0, , .		0