

Riyanarto Sarno

List of Publications by Year in descending order

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Version: 2024-02-01

91
papers

1,200
citations

430874

18
h-index

526287

27
g-index

93
all docs

93
docs citations

93
times ranked

562
citing authors

#	ARTICLE	IF	CITATIONS
1	DWTLSTM for electronic nose signal processing in beef quality monitoring. Sensors and Actuators B: Chemical, 2021, 326, 128931.	7.8	63
2	Development of mobile electronic nose for beef quality monitoring. Procedia Computer Science, 2017, 124, 728-735.	2.0	58
3	Noise filtering framework for electronic nose signals: An application for beef quality monitoring. Computers and Electronics in Agriculture, 2019, 157, 305-321.	7.7	57
4	Sentiment Analysis of Restaurant Customer Reviews on TripAdvisor using Naïve Bayes. , 2019, , .		47
5	Information Quality Ratio as a novel metric for mother wavelet selection. Chemometrics and Intelligent Laboratory Systems, 2017, 160, 59-71.	3.5	46
6	Detecting Pork Adulteration in Beef for Halal Authentication Using an Optimized Electronic Nose System. IEEE Access, 2020, 8, 221700-221711.	4.2	34
7	Anomaly detection in business processes using process mining and fuzzy association rule learning. Journal of Big Data, 2020, 7, .	11.0	33
8	Estimating Gas Concentration using Artificial Neural Network for Electronic Nose. Procedia Computer Science, 2017, 124, 181-188.	2.0	31
9	Optimization Solar Farm site selection using Multi-Criteria Decision Making Fuzzy AHP and PROMETHEE: case study in Bali. , 2016, , .		29
10	Electronic nose dataset for beef quality monitoring in uncontrolled ambient conditions. Data in Brief, 2018, 21, 2414-2420.	1.0	29
11	Detection of diabetes from gas analysis of human breath using e-Nose. , 2017, , .		27
12	Hidden Markov Model for Process Mining of Parallel Business Processes. International Review on Computers and Software, 2016, 11, 290.	0.1	27
13	Coupled Hidden Markov Model for Process Mining of Invisible Prime Tasks. International Review on Computers and Software, 2016, 11, 539.	0.1	27
14	Fuzzy MADM Approach for Rating of Process-Based Fraud. Journal of ICT Research and Applications, 2015, 9, 111-128.	0.8	26
15	Modified Time-Based Heuristics Miner for Parallel Business Processes. International Review on Computers and Software, 2016, 11, 249.	0.1	25
16	Decision mining for multi choice workflow patterns. , 2013, , .		24
17	A comparative study of sentiment analysis using SVM and SentiWordNet. Indonesian Journal of Electrical Engineering and Computer Science, 2019, 13, 902.	0.8	24
18	Sensor Array Optimization for Mobile Electronic Nose: Wavelet Transform and Filter Based Feature Selection Approach. International Review on Computers and Software, 2016, 11, 659.	0.1	24

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19	The effect of gas concentration on detection and classification of beef and pork mixtures using E-nose. Computers and Electronics in Agriculture, 2022, 195, 106838.	7.7	22
20	Electronic nose dataset for pork adulteration in beef. Data in Brief, 2020, 32, 106139.	1.0	21
21	Deep learning in a sensor array system based on the distribution of volatile compounds from meat cuts using GC-MS analysis. Sensing and Bio-Sensing Research, 2020, 29, 100371.	4.2	20
22	Ontology and semantic matching for diabetic food recommendations. , 2013, , .		19
23	Identification of process-based fraud patterns in credit application. , 2014, , .		19
24	A Hybrid Cuckoo Optimization and Harmony Search Algorithm for Software Cost Estimation. Procedia Computer Science, 2017, 124, 461-469.	2.0	19
25	Clustering of ERP business process fragments. , 2013, , .		18
26	Capability Maturity Model Integration (CMMI) for Optimizing Object-Oriented Analysis and Design (OOAD). Procedia Computer Science, 2015, 72, 40-48.	2.0	18
27	Developing Distributed System with Service Resource Oriented Architecture. Telkomnika (Telecommunication Computing Electronics and Control), 2012, 10, 389.	0.8	18
28	Determining Process Model Using Time-Based Process Mining and Control-Flow Pattern. Telkomnika (Telecommunication Computing Electronics and Control), 2016, 14, 349.	0.8	18
29	Fraud detection on event logs of goods and services procurement business process using Heuristics Miner algorithm. , 2016, , .		17
30	Classification of Music Mood Using MPEG-7 Audio Features and SVM with Confidence Interval. International Journal on Artificial Intelligence Tools, 2018, 27, 1850016.	1.0	16
31	Coupled Hidden Markov Model for Process Discovery of Non-Free Choice and Invisible Prime Tasks. Procedia Computer Science, 2017, 124, 134-141.	2.0	15
32	Fraud detection on event log of bank financial credit business process using Hidden Markov Model algorithm. , 2017, , .		14
33	Optimizing effort and time parameters of COCOMO II estimation using fuzzy multi-objective PSO. , 2017, , .		14
34	Sentiment Analysis of Hotel Aspect Using Probabilistic Latent Semantic Analysis, Word Embedding and LSTM. International Journal of Intelligent Engineering and Systems, 2019, 12, 275-290.	0.6	14
35	Refining business process ontology model with invisible prime tasks using SWRL rules. , 2017, , .		12
36	A Robust Segmentation for Malaria Parasite Detection of Thick Blood Smear Microscopic Images. International Journal on Advanced Science, Engineering and Information Technology, 2019, 9, 1450-1459.	0.4	12

#	ARTICLE	IF	CITATIONS
37	Recognition of Original Arabica Civet Coffee based on Odor using Electronic Nose and Machine Learning. , 2020, , .		11
38	Recent development in electronic nose data processing for beef quality assessment. Telkomnika (Telecommunication Computing Electronics and Control), 2019, 17, 337.	0.8	11
39	Sales forecasting using Holt-Winters in Enterprise Resource Planning at sales and distribution module. , 2016, , .		10
40	Patterns of fraud detection using coupled Hidden Markov Model. , 2017, , .		10
41	Reconstructing and resizing 3D images from DICOM files. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 3517-3526.	3.9	10
42	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
43	Aspect Based Sentiment Analysis for Restaurant Reviews Using Hybrid ELMoWikipedia and Hybrid Expanded Opinion Lexicon-SentiCircle. International Journal of Intelligent Engineering and Systems, 2019, 12, 47-58.	0.6	10
44	Detection and Classification of Indonesian Civet and Non-Civet Coffee Based on Statistical Analysis Comparison Using E-Nose. International Journal of Intelligent Engineering and Systems, 2020, 13, 56-65.	0.6	10
45	Optimizing COCOMO II parameters using particle swarm method. , 2017, , .		9
46	Cyclomatic Complexity for Determining Product Complexity Level in COCOMO II. Procedia Computer Science, 2017, 124, 478-486.	2.0	9
47	Optimization of forecasted port container terminal performance using goal programming. , 2018, , .		9
48	Anomaly Detection based on Control-flow Pattern of Parallel Business Processes. Telkomnika (Telecommunication Computing Electronics and Control), 2018, 16, 2809.	0.8	9
49	Process Mining in Supply Chains: A Systematic Literature Review. International Journal of Electrical and Computer Engineering, 2018, 8, 4626.	0.7	9
50	Detection of Infectious Respiratory Disease Through Sweat From Axillary Using an E-Nose With Stacked Deep Neural Network. IEEE Access, 2022, 10, 51285-51298.	4.2	9
51	CHMM for discovering intentional process model from event logs by considering sequence of activities. , 2017, , .		8
52	E-Nose Sensor Array Optimization Based on Volatile Compound Concentration Data. Journal of Physics: Conference Series, 2019, 1201, 012003.	0.4	8
53	Weighted Ontology and weighted tree similarity algorithm for diagnosing Diabetes Mellitus. , 2013, , .		7
54	Classification of Human Gender from Sweat Odor using Electronic Nose with Machine Learning Methods. , 2021, , .		7

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55	Aspect-Based Sentiment Analysis Using Grammatical Rules, Word Similarity and SentiCircle. International Journal of Intelligent Engineering and Systems, 2019, 12, 190-201.	0.6	7
56	Workflow common fragments extraction based on WSDL similarity and graph dependency. , 2015, , .		6
57	Account charting and financial reporting at accounting module on Enterprise Resource Planning using tree traversal algorithm. , 2016, , .		6
58	Time based Discovery of parallel business processes. , 2015, , .		5
59	Dynamics simulation model of demand and supply electricity energy public facilities and social sector case study East Java. , 2016, , .		5
60	Improving the accuracy of COCOMO II using fuzzy logic and local calibration method. , 2017, , .		5
61	PARALLEL PROCESS DISCOVERY USING A NEW TIME-BASED ALPHA++ MINER. IIUM Engineering Journal, 2020, 21, 126-141.	0.8	5
62	Electronic nose homogeneous data sets for beef quality classification and microbial population prediction. BMC Research Notes, 2022, 15, .	1.4	5
63	Performance analysis of VoIP client with integrated encryption module. , 2013, , .		4
64	Ensemble Learning for Optimizing Classification of Pork Adulteration in Beef Based on Electronic Nose Dataset. International Journal of Intelligent Engineering and Systems, 2021, 14, 44-55.	0.6	4
65	PENERAPAN ALGORITMA WEIGHTED TREE SIMILARITY UNTUK PENCARIAN SEMANTIK. JUTI: Jurnal Ilmiah Teknologi Informasi, 2008, 7, 39.	0.1	4
66	Enhancing the performance of sentiment analysis task on product reviews by handling both local and global context. International Journal of Information and Decision Sciences, 2020, 12, 75.	0.1	4
67	Adaptive filter for detection outlier data on electronic nose signal. Sensing and Bio-Sensing Research, 2022, 36, 100492.	4.2	4
68	The development of 3D multiplayer mobile racing games based on 3D photo satellite map. , 2008, , .		3
69	Weighted ontology for subject search in Learning Content Management System. , 2011, , .		3
70	Classification of Male and Female Sweat Odor in the Morning Using Electronic Nose. , 2021, , .		3
71	Model discovery of parallel business processes using modified Heuristic Miner. , 2015, , .		2
72	Job Performance Analysis Using Factor Evaluation System and Process Mining. , 2018, , .		2

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73	Workflow Complexity in Constructive Cost Model II. , 2019, , .		2
74	Determination of Hospital Rank by Using Analytic Hierarchy Process (AHP) and Multi Objective Optimization on the Basis of Ratio Analysis (MOORA). , 2019, , .		2
75	Recovering Truncated Streaming Event Log Using Coupled Hidden Markov Model. International Journal of Pattern Recognition and Artificial Intelligence, 2020, 34, 2059012.	1.2	2
76	Graph-based Process Discovery containing Invisible Non-Prime Task in Procurement of Animal-Based Ingredient of Halal Restaurants. , 2021, , .		2
77	Business Processes Discovery in Halal Restaurant Kitchen Using Graph-Based Algorithm. , 2021, , .		2
78	Classification and Gas Concentration Measurements of Human Axillary Odor using Electronic Nose. , 2021, , .		2
79	Interpretation of urine dipstick results based on color similarity using linear interpolation curve fitting. , 2013, , .		1
80	Web service similarity with standardized descriptions. , 2015, , .		1
81	Determining bonus in Enterprise Resource Planning at Human Resource Management module using Key Performance Indicator. , 2016, , .		1
82	Sugarcane variety identification using Dynamic Weighted Directed Acyclic Graph Similarity. , 2016, , .		1
83	Time Performance Evaluation of Agile Software Development. , 2019, , .		1
84	Vim line technique thalamotomy for Parkinson tremor: Case series. International Journal of Surgery Case Reports, 2020, 77, 573-575.	0.6	1
85	Modification of Alpha++ for Discovering Collaboration Business Processes Containing Non-Free Choice. , 2021, , .		1
86	Mining Collaboration Business Process Containing Invisible Task by Using Modified Alpha. , 2021, , .		1
87	Reusability metric on procurement of goods and services. , 2017, , .		0
88	Process Discovery of Collaboration Business Process Containing Invisible Task in Non-Free Choice by using Modified Alpha ++. , 2021, , .		0
89	Optimizing Process Discovery Quality Criteria and Model Measurements using Receiver Operating Characteristic Analysis and Infrequent Inductive Miner. , 2021, , .		0
90	Checking Wrong Pattern in Process Model Containing Invisible Task by Using Declarative Miner. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
91	A New Hybrid Region-Based Segmentation for 2D Corpus Callosum Segmentation. , 2021, , .		0