

Sobhan Sarkar

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

44
papers

458
citations

12
h-index

19
g-index

48
ext. papers

640
ext. citations

2.4
avg, IF

4.65
L-index

#	Paper	IF	Citations
44	Application of optimized machine learning techniques for prediction of occupational accidents. <i>Computers and Operations Research</i> , 2019 , 106, 210-224	4.6	63
43	An optimization-based decision tree approach for predicting slip-trip-fall accidents at work. <i>Safety Science</i> , 2019 , 118, 57-69	5.8	36
42	An integrated fuzzy multiple criteria supplier selection approach and its application in a welding company. <i>Journal of Manufacturing Systems</i> , 2018 , 46, 163-178	9.1	35
41	Predicting and analyzing injury severity: A machine learning-based approach using class-imbalanced proactive and reactive data. <i>Safety Science</i> , 2020 , 125, 104616	5.8	29
40	Text mining based safety risk assessment and prediction of occupational accidents in a steel plant 2016 ,		24
39	Prediction of occupational accidents using decision tree approach 2016 ,		22
38	Machine learning in occupational accident analysis: A review using science mapping approach with citation network analysis. <i>Safety Science</i> , 2020 , 131, 104900	5.8	21
37	Predictive model for incident occurrences in steel plant in India 2017 ,		18
36	Study of optimized SVM for incident prediction of a steel plant in India 2016 ,		17
35	Segmented point process models for work system safety analysis. <i>Safety Science</i> , 2017 , 95, 15-27	5.8	16
34	Application of hybrid clustering technique for pattern extraction of accident at work: A case study of a steel industry 2018 ,		15
33	A real-time video surveillance system for traffic pre-events detection. <i>Accident Analysis and Prevention</i> , 2021 , 154, 106019	6.1	14
32	Modelling safety of gantry crane operations using Petri nets. <i>International Journal of Injury Control and Safety Promotion</i> , 2017 , 24, 32-43	1.8	12
31	Measurement and Modeling of Job Stress of Electric Overhead Traveling Crane Operators. <i>Safety and Health at Work</i> , 2015 , 6, 279-88	4	12
30	Application of rough set theory in accident analysis at work: A case study 2017 ,		12
29	Data-driven Mapping Between Proactive and Reactive Measures of Occupational Safety Performance. <i>Managing the Asian Century</i> , 2018 , 53-63		12
28	Prediction of Occupational Incidents Using Proactive and Reactive Data: A Data Mining Approach. <i>Managing the Asian Century</i> , 2018 , 65-79		12

27	Genetic Algorithm-Based Association Rule Mining Approach Towards Rule Generation of Occupational Accidents. <i>Communications in Computer and Information Science</i> , 2017 , 517-530	0.3	10
26	Decision Support System for Prediction of Occupational Accident: A Case Study from a Steel Plant. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 787-796	0.4	10
25	Oil Spill Detection Using Image Processing Technique: An Occupational Safety Perspective of a Steel Plant. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 247-257	0.4	9
24	Application of Bayesian network model in explaining occupational accidents in a steel industry 2017 ,		8
23	Supplier Selection in Uncertain Environment: A Fuzzy MCDM Approach. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 257-266	0.4	7
22	RT-GSOM: Rough tolerance growing self-organizing map. <i>Information Sciences</i> , 2021 , 566, 19-37	7.7	6
21	Region proposal and object detection using HoG-based CNN feature map 2020 ,		5
20	An Ensemble Learning-Based Undersampling Technique for Handling Class-Imbalance Problem. <i>Lecture Notes in Electrical Engineering</i> , 2020 , 586-595	0.2	5
19	An Investigation of the Effects of Missing Data Handling Using R Packages. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 275-284	0.4	4
18	A Novel Feature Extraction-based Human Identification Approach using 2D Ear Biometric 2018 ,		4
17	Parametric and Non-Parametric Analyses for Pedestrian Crash Severity Prediction in Great Britain. <i>Sustainability</i> , 2022 , 14, 3188	3.6	4
16	Root Cause Analysis of Incidents Using Text Clustering and Classification Algorithms. <i>Lecture Notes in Electrical Engineering</i> , 2020 , 707-718	0.2	3
15	Text-clustering based deep neural network for prediction of occupational accident risk: A case study 2018 ,		3
14	COVID-19 outbreak: A data-driven optimization model for allocation of patients. <i>Computers and Industrial Engineering</i> , 2021 , 161, 107675	6.4	3
13	GSEL: A Genetic Stacking-Based Ensemble Learning Approach for Incident Classification. <i>Lecture Notes in Electrical Engineering</i> , 2020 , 719-730	0.2	2
12	A Structural Topic Modeling-Based Machine Learning Approach for Pattern Extraction from Accident Data. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 555-564	0.4	1
11	Semi-automated Ontology Creation and Upgradation for Rail-Road Incidents: A Case of a Steel Plant in India. <i>Lecture Notes in Networks and Systems</i> , 2021 , 285-294	0.5	1
10	Dynamic Functional Bandwidth Kernel-Based SVM: An Efficient Approach for Functional Data Analysis. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 673-681	0.4	1

9	Classification and pattern extraction of incidents: a deep learning-based approach. <i>Neural Computing and Applications</i> , 1	4.8	o
8	Pattern Extraction Using Proactive and Reactive Data: A Case Study of Contractors Safety in a Steel Plant. <i>Lecture Notes in Electrical Engineering</i> , 2020, 731-742	0.2	o
7	Text Mining-Based Association Rule Mining for Incident Analysis: A Case Study of a Steel Plant in India. <i>Communications in Computer and Information Science</i> , 2021, 257-273	0.3	o
6	Personality Traits Identification Through Handwriting Analysis. <i>Communications in Computer and Information Science</i> , 2021, 155-169	0.3	o
5	A Novel Optimized Method for Feature Selection Using Non-linear Kernel-Free Twin Quadratic Surface Support Vector Machine. <i>Communications in Computer and Information Science</i> , 2022, 339-353	0.3	o
4	Multivariate Deep Learning Model with Ensemble Pruning for Time Series Forecasting. <i>Advances in Intelligent Systems and Computing</i> , 2022, 321-334	0.4	
3	Predicting and Analysing Pedestrian Injury Severity: A Machine Learning-Based Approach. <i>Advances in Intelligent Systems and Computing</i> , 2022, 485-497	0.4	
2	A Two-Fold Multi-objective Multi-verse Optimization-Based Time Series Forecasting. <i>Advances in Intelligent Systems and Computing</i> , 2022, 743-754	0.4	
1	Real-Time Detection of Traffic Anomalies Near Roundabouts. <i>Communications in Computer and Information Science</i> , 2022, 253-264	0.3	