

Jhareswar Maiti

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,127
citations

567281

15
h-index

454955

30
g-index

53
all docs

53
docs citations

53
times ranked

706
citing authors

#	ARTICLE	IF	CITATIONS
1	Occupational injury and accident research: A comprehensive review. Safety Science, 2012, 50, 1355-1367.	4.9	208
2	Deep learning in multi-object detection and tracking: state of the art. Applied Intelligence, 2021, 51, 6400-6429.	5.3	120
3	Risk analysis using FMEA: Fuzzy similarity value and possibility theory based approach. Expert Systems With Applications, 2014, 41, 3527-3537.	7.6	117
4	Granulated RCNN and Multi-Class Deep SORT for Multi-Object Detection and Tracking. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 171-181.	4.9	56
5	Z-number integrated weighted VIKOR technique for hazard prioritization and its application in virtual prototype based EOT crane operations. Applied Soft Computing Journal, 2020, 94, 106419.	7.2	44
6	Decision support system for safety improvement: An approach using multiple correspondence analysis, t-SNE algorithm and K-means clustering. Computers and Industrial Engineering, 2019, 128, 277-289.	6.3	39
7	A real-time video surveillance system for traffic pre-events detection. Accident Analysis and Prevention, 2021, 154, 106019.	5.7	35
8	Prediction of occupational accidents using decision tree approach. , 2016, , .		29
9	Text mining based safety risk assessment and prediction of occupational accidents in a steel plant. , 2016, , .		29
10	Granulized Z-VIKOR Model for Failure Mode and Effect Analysis. IEEE Transactions on Fuzzy Systems, 2022, 30, 297-309.	9.8	28
11	Chain of events model for safety management: Data analytics approach. Safety Science, 2019, 118, 568-582.	4.9	26
12	Predictive model for incident occurrences in steel plant in India. , 2017, , .		25
13	Development of environmental consequence index (ECI) using fuzzy composite programming. Journal of Hazardous Materials, 2009, 162, 29-43.	12.4	23
14	Safe-aaS: Decision Virtualization for Effecting Safety-as-a-Service. IEEE Internet of Things Journal, 2018, 5, 1690-1697.	8.7	21
15	Study of optimized SVM for incident prediction of a steel plant in India. , 2016, , .		20
16	A Weighted Similarity Measure Between Z -Numbers and Bow-Tie Quantification. IEEE Transactions on Fuzzy Systems, 2020, 28, 2131-2142.	9.8	20
17	Application of hybrid clustering technique for pattern extraction of accident at work: A case study of a steel industry. , 2018, , .		18
18	RT-GSOM: Rough tolerance growing self-organizing map. Information Sciences, 2021, 566, 19-37.	6.9	18

#	ARTICLE	IF	CITATIONS
19	An integrated RFUCOM " RTOPSIS approach for failure modes and effects analysis: A case of manufacturing industry. Reliability Engineering and System Safety, 2022, 221, 108333.	8.9	16
20	Measurement and Modeling of Job Stress of Electric Overhead Traveling Crane Operators. Safety and Health at Work, 2015, 6, 279-288.	0.6	15
21	A novel data mining approach for analysis of accident paths and performance assessment of risk control systems. Reliability Engineering and System Safety, 2020, 202, 107041.	8.9	15
22	Application of rough set theory in accident analysis at work: A case study. , 2017, , .		14
23	Text-document clustering-based cause and effect analysis methodology for steel plant incident data. International Journal of Injury Control and Safety Promotion, 2018, 25, 416-426.	2.0	14
24	DENSE: Dynamic Edge Node Selection for Safety-as-a-Service. , 2019, , .		13
25	Development of worksystem safety capability index (WSCI). Safety Science, 2010, 48, 1369-1379.	4.9	12
26	Modelling safety of gantry crane operations using Petri nets. International Journal of Injury Control and Safety Promotion, 2017, 24, 32-43.	2.0	12
27	Application of Bayesian network model in explaining occupational accidents in a steel industry. , 2017, , .		12
28	Text-clustering based deep neural network for prediction of occupational accident risk: A case study. , 2018, , .		12
29	COVID-19 outbreak: A data-driven optimization model for allocation of patients. Computers and Industrial Engineering, 2021, 161, 107675.	6.3	11
30	On accident causation models, safety training and virtual reality. International Journal of Occupational Safety and Ergonomics, 2022, 28, 28-44.	1.9	10
31	Region proposal and object detection using HoG-based CNN feature map. , 2020, , .		10
32	A preliminary analysis of incident investigation reports of an integrated steel plant: some reflection. International Journal of Injury Control and Safety Promotion, 2018, 25, 180-194.	2.0	9
33	Dual hesitant <i>Zâ€œ</i> number (DHZN), correlated distance, and risk quantification. International Journal of Intelligent Systems, 2022, 37, 625-660.	5.7	9
34	Analysis of categorical incident data and design for safety interventions using axiomatic design framework. Safety Science, 2020, 123, 104557.	4.9	8
35	A comprehensive methodology for quantification of Bow-tie under type II fuzzy data. Applied Soft Computing Journal, 2021, 103, 107148.	7.2	8
36	Granulized Zâ€œOWA aggregation operator and its application in fuzzy risk assessment. International Journal of Intelligent Systems, 2022, 37, 1479-1508.	5.7	8

#	ARTICLE	IF	CITATIONS
37	Application of the Cube Model for Biomechanical Exposure Assessment of Combined Manual Material Handling Tasks in a Manufacturing Plant in India. IIE Transactions on Occupational Ergonomics and Human Factors, 2014, 2, 39-51.	0.4	5
38	Modelling process robustness: a case study of centrifugal casting. Production Planning and Control, 2016, 27, 169-182.	8.8	5
39	Assessment of work compatibility across employees' demographics: a case study. International Journal of Injury Control and Safety Promotion, 2017, 24, 106-119.	2.0	5
40	An integrated TRIZ coupled safety function deployment and capital budgeting methodology for occupational safety improvement: A case of manufacturing industry. Chemical Engineering Research and Design, 2022, 165, 31-45.	5.6	5
41	Prioritization of human errors in EOT crane operations and its visualisation using virtual simulation. , 2018, , .		4
42	Virtual Prototype based Simulator for EOT Crane. Managing the Asian Century, 2018, , 11-26.	0.2	3
43	An integrated approach using growing self-organizing map-based genetic K-means clustering and tolerance rough set in occupational risk analysis. Neural Computing and Applications, 0, , .	5.6	3
44	Diff-Price: Differential Pricing Scheme for Provisioning Safety-as-a-Service in Vehicular IoT Applications. IEEE Transactions on Vehicular Technology, 2022, 71, 8189-8198.	6.3	3
45	A self-tuning neuromorphic controller to minimize swing angle for overhead cranes. , 2018, , .		2
46	Classification and pattern extraction of incidents: a deep learning-based approach. Neural Computing and Applications, 2022, 34, 14253-14274.	5.6	2
47	A data-driven penalty-reward methodology for performance assessment of risk control systems. Journal of Loss Prevention in the Process Industries, 2022, 77, 104756.	3.3	2
48	DQ-Map: Dynamic Decision Query Mapping for Provisioning Safety-as-a-Service in IoT. IEEE Internet of Things Journal, 2022, 9, 3150-3157.	8.7	1
49	EdgeSafe: Dynamic Load Balancing Among Edge Nodes for Provisioning Safety-as-a-Service in Vehicular IoT Applications. IEEE Transactions on Vehicular Technology, 2021, 70, 9320-9329.	6.3	1
50	Mobility-Aware Controller Orchestration in Multi-Tier Service-Oriented Architecture for IoT. IEEE Transactions on Vehicular Technology, 2022, 71, 1820-1831.	6.3	1