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List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

946
citations

567281

15
h-index

526287

27
g-index

40
all docs

40
docs citations

40
times ranked

796
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of a fuzzy based decision making methodology to construction project risk assessment. International Journal of Project Management, 2007, 25, 589-600.	5.6	408
2	A fuzzy reasoning and fuzzy-analytical hierarchy process based approach to the process of railway risk information: A railway risk management system. Information Sciences, 2011, 181, 3946-3966.	6.9	110
3	Bayesian Network-based probability analysis of train derailments caused by various extreme weather patterns on railway turnouts. Safety Science, 2018, 110, 20-30.	4.9	54
4	Aggregation of group fuzzy risk information in the railway risk decision making process. Safety Science, 2016, 82, 18-28.	4.9	36
5	A Deep Learning Approach Towards Railway Safety Risk Assessment. IEEE Access, 2020, 8, 102811-102832.	4.2	35
6	Learning From Accidents: Machine Learning for Safety at Railway Stations. IEEE Access, 2020, 8, 633-648.	4.2	34
7	Identification of appropriate risk analysis techniques for railway turnout systems. Journal of Risk Research, 2018, 21, 974-995.	2.6	32
8	Utilizing an Adaptive Neuro-Fuzzy Inference System (ANFIS) for Overcrowding Level Risk Assessment in Railway Stations. Applied Sciences (Switzerland), 2020, 10, 5156.	2.5	28
9	Bayesian network-based human error reliability assessment of derailments. Reliability Engineering and System Safety, 2020, 197, 106825.	8.9	27
10	Natural Hazard Risks on Railway Turnout Systems. Procedia Engineering, 2016, 161, 1254-1259.	1.2	22
11	Knowledge management implementation in construction projects: a KM model for Knowledge Creation, Collection and Updating (KCCU). International Journal of Project Organisation and Management, 2008, 1, 133.	0.1	20
12	Knowledge Management in Construction Projects. International Journal of Information Technology Project Management, 2010, 1, 16-42.	0.5	19
13	An Intelligent Railway Safety Risk Assessment Support System for Railway Operation and Maintenance Analysis. Open Transportation Journal, 2013, 7, 27-42.	0.6	17
14	A hierarchical Bayesian-based model for hazard analysis of climate effect on failures of railway turnout components. Reliability Engineering and System Safety, 2022, 218, 108130.	8.9	17
15	Rail accident analysis using large-scale investigations of train derailments on switches and crossings: Comparing the performances of a novel stochastic mathematical prediction and various assumptions. Engineering Failure Analysis, 2019, 103, 203-216.	4.0	15
16	Project Portfolio Resource Risk Assessment considering Project Interdependency by the Fuzzy Bayesian Network. Complexity, 2020, 2020, 1-21.	1.6	12
17	A methodology for strategy-oriented project portfolio selection taking dynamic synergy into considerations. AEJ - Alexandria Engineering Journal, 2022, 61, 6357-6369.	6.4	10
18	Derailment-based Fault Tree Analysis on Risk Management of Railway Turnout Systems. IOP Conference Series: Materials Science and Engineering, 2017, 245, 042020.	0.6	9

#	ARTICLE	IF	CITATIONS
19	A Risk-Based Maintenance Decision-Making Approach for Railway Asset Management. International Journal of Software Engineering and Knowledge Engineering, 2018, 28, 453-483.	0.8	8
20	Modelling cascade dynamics of passenger flow congestion in urban rail transit network induced by train delay. AEJ - Alexandria Engineering Journal, 2022, 61, 8797-8807.	6.4	7
21	An Integration of Train Timetabling, Platforming and Routing-Based Cooperative Adjustment Methodology for Dealing with Train Delay. International Journal of Software Engineering and Knowledge Engineering, 2020, 30, 901-919.	0.8	6
22	Disruption: A new component in the track inspection schedule. , 2016, , .		4
23	Application of Complex Network Principles to Key Station Identification in Railway Network Efficiency Analysis. Journal of Advanced Transportation, 2019, 2019, 1-13.	1.7	4
24	Railway safety risk assessment using FRA and FAHP approaches - a case study on risk analysis of shunting at Waterloo depot. , 2007, , .		3
25	Overview of Optimization Models and Algorithms for Train Platforming Problem. Lecture Notes in Electrical Engineering, 2020, , 707-716.	0.4	3
26	Editorial: Safety, Risk and Uncertainties in Transportation and Transit Systems. Frontiers in Built Environment, 2019, 5, .	2.3	2
27	Reliability Allocation of High-Speed Train Bogie System. Lecture Notes in Electrical Engineering, 2016, , 609-617.	0.4	1
28	Development of an intelligent system for railway risk analysis. , 2008, , .		1
29	Development of a railway out-of-gauge freight transport routing optimal method. Physica A: Statistical Mechanics and Its Applications, 2022, 595, 127081.	2.6	1
30	High-Speed Railway Timetable Rescheduling Method: A Bi-level Integrated Programming Approach. Lecture Notes in Electrical Engineering, 2018, , 639-647.	0.4	0
31	Analysis of Related Factors Influencing Reliability of Railway Signaling Systems Based on Fuzzy Analytical Hierarchy Process. Lecture Notes in Electrical Engineering, 2014, , 333-340.	0.4	0
32	Challenges of Railway Safety Risk Assessment and Maintenance Decision Making. Advances in Civil and Industrial Engineering Book Series, 2016, , 173-211.	0.2	0
33	Characteristic Analysis of High-Speed Railway Network in China. Lecture Notes in Electrical Engineering, 2018, , 649-659.	0.4	0
34	Track Assignment Adjustment Problem in Complex Railway Passenger Stations. Lecture Notes in Electrical Engineering, 2018, , 561-569.	0.4	0
35	Railway Capacity Calculation in Emergency Using Modified Fuzzy Random Optimization Methodology. Lecture Notes in Electrical Engineering, 2020, , 269-281.	0.4	0
36	Knowledge Management in Construction Projects. , 0, , 86-114.		0

#	ARTICLE	IF	CITATIONS
37	Railway Out-of-Gauge Cargo Transportation Route Selection Method Considering Gauge Modification. Lecture Notes in Electrical Engineering, 2022, , 271-279.	0.4	0