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List of Publications by Year
in descending order

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	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
2	A methodology for strategy-oriented project portfolio selection taking dynamic synergy into considerations. AEJ - Alexandria Engineering Journal, 2022, 61, 6357-6369.	6.4	10
3	Railway Out-of-Gauge Cargo Transportation Route Selection Method Considering Gauge Modification. Lecture Notes in Electrical Engineering, 2022, , 271-279.	0.4	0
4	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
5	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
6	Learning From Accidents: Machine Learning for Safety at Railway Stations. IEEE Access, 2020, 8, 633-648.	4.2	34
7	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
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	Project Portfolio Resource Risk Assessment considering Project Interdependency by the Fuzzy Bayesian Network. Complexity, 2020, 2020, 1-21.	1.6	12
10	A Deep Learning Approach Towards Railway Safety Risk Assessment. IEEE Access, 2020, 8, 102811-102832.	4.2	35
11	Bayesian network-based human error reliability assessment of derailments. Reliability Engineering and System Safety, 2020, 197, 106825.	8.9	27
12	Railway Capacity Calculation in Emergency Using Modified Fuzzy Random Optimization Methodology. Lecture Notes in Electrical Engineering, 2020, , 269-281.	0.4	0
13	Overview of Optimization Models and Algorithms for Train Platforming Problem. Lecture Notes in Electrical Engineering, 2020, , 707-716.	0.4	3
14	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
15	Editorial: Safety, Risk and Uncertainties in Transportation and Transit Systems. Frontiers in Built Environment, 2019, 5, .	2.3	2
16	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
17	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
18	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

#	Article	IF	Citations
19	Identification of appropriate risk analysis techniques for railway turnout systems. Journal of Risk Research, 2018, 21, 974-995.	2.6	32
20	High-Speed Railway Timetable Rescheduling Method: A Bi-level Integrated Programming Approach. Lecture Notes in Electrical Engineering, 2018, , 639-647.	0.4	0
21	Characteristic Analysis of High-Speed Railway Network in China. Lecture Notes in Electrical Engineering, 2018, , 649-659.	0.4	0
22	Track Assignment Adjustment Problem in Complex Railway Passenger Stations. Lecture Notes in Electrical Engineering, 2018, , 561-569.	0.4	0
23	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
24	Natural Hazard Risks on Railway Turnout Systems. Procedia Engineering, 2016, 161, 1254-1259.	1.2	22
25	Disruption: A new component in the track inspection schedule. , 2016, , .		4
26	Aggregation of group fuzzy risk information in the railway risk decision making process. Safety Science, 2016, 82, 18-28.	4.9	36
27	Reliability Allocation of High-Speed Train Bogie System. Lecture Notes in Electrical Engineering, 2016, , 609-617.	0.4	1
28	Challenges of Railway Safety Risk Assessment and Maintenance Decision Making. Advances in Civil and Industrial Engineering Book Series, 2016, , 173-211.	0.2	0
29	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
30	An Intelligent Railway Safety Risk Assessment Support System for Railway Operation and Maintenance Analysis. Open Transportation Journal, 2013, 7, 27-42.	0.6	17
31	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
32	Knowledge Management in Construction Projects. International Journal of Information Technology Project Management, 2010, 1, 16-42.	0.5	19
33	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
34	Development of an intelligent system for railway risk analysis. , 2008, , .		1
35	Railway safety risk assessment using FRA and FAHP approaches - a case study on risk analysis of shunting at Waterloo depot. , 2007, , .		3
36	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

#	Article	IF	Citations
37	Knowledge Management in Construction Projects. , 0, , 86-114.		0