

Indra Gunawan

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

265
citations

932766
10
h-index

940134
16
g-index

24
all docs

24
docs citations

24
times ranked

226
citing authors

#	ARTICLE	IF	CITATIONS
1	The Implementation of Industry 4.0 – A Systematic Literature Review of the Key Factors. <i>Systems Research and Behavioral Science</i> , 2020, 37, 557-578.	0.9	40
2	A value-driven approach for optimizing reliability-redundancy allocation problem in multi-state weighted k-out-of-n system. <i>Journal of Manufacturing Systems</i> , 2016, 40, 54-62.	7.6	35
3	System Dynamics Modelling Process in Water Sector: a Review of Research Literature. <i>Systems Research and Behavioral Science</i> , 2018, 35, 776-790.	0.9	29
4	Integrating entropy theory and cospanning tree technique for redundancy analysis of water distribution networks. <i>Reliability Engineering and System Safety</i> , 2018, 176, 102-112.	5.1	25
5	On Reliability Evaluation of Multistate Weighted k-out-of-n System Using Present Value. <i>Engineering Economist</i> , 2015, 60, 22-39.	0.3	20
6	The four Rs performance indicators of water distribution networks. <i>International Journal of Quality and Reliability Management</i> , 2017, 34, 720-732.	1.3	19
7	Entropy of centrality values for topological vulnerability analysis of water distribution networks. <i>Built Environment Project and Asset Management</i> , 2019, 9, 412-425.	0.9	18
8	Scheduling rotationally arranged robotic cells served by a multi-function robot. <i>International Journal of Production Research</i> , 2014, 52, 4037-4058.	4.9	16
9	Exact reliability evaluation of infrastructure networks using graph theory. <i>Quality and Reliability Engineering International</i> , 2020, 36, 498-510.	1.4	11
10	A domain-specific measure of centrality for water distribution networks. <i>Engineering, Construction and Architectural Management</i> , 2019, 27, 341-355.	1.8	10
11	A fuzzy-based vulnerability assessment model for infrastructure networks incorporating reliability and centrality. <i>Engineering, Construction and Architectural Management</i> , 2019, 27, 725-744.	1.8	8
12	Utilisation of data mining in mining industry: Improvement of the shearer loader productivity in underground mines. , 2012, , .		7
13	Forecasting the Impact of Population Growth on Robustness of Water Distribution Networks: A System Dynamics Approach. <i>IEEE Transactions on Engineering Management</i> , 2023, 70, 605-614.	2.4	6
14	Resolving Energy Losses Caused by End-Users in Electrical Grid Systems. <i>Designs</i> , 2021, 5, 23.	1.3	4
15	Energy Loss Impact in Electrical Smart Grid Systems in Australia. <i>Sustainability</i> , 2021, 13, 7221.	1.6	4
16	The emergence and evolution of reliability theory for water distribution networks. <i>Built Environment Project and Asset Management</i> , 2021, 11, 251-265.	0.9	3
17	Asset management strategies using reliability, availability, and maintainability (RAM) analysis. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2021, 43, 1.	0.8	3
18	Application of Dual Concern Theory in Elucidating Conflict Behavior in Infrastructure Public-Private Partnership Projects. <i>Journal of Construction Engineering and Management - ASCE</i> , 2021, 147, .	2.0	2

#	ARTICLE	IF	CITATIONS
19	Integrating Topological and Hydraulic Attributes for Robustness Analysis of Water Distribution Networks. <i>International Journal of Industrial Engineering and Operations Management</i> , 2019, 01, 1-11.	0.6	2
20	A framework of designing reliable disaster response operation using axiomatic design. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	1
21	A reliabilityâ€cost optimisation model for maintenance scheduling of wastewater treatment's power generation engines. <i>Quality and Reliability Engineering International</i> , 0, , .	1.4	1
22	Graph Theory and Its Role in Vulnerability Evaluation of Infrastructure Networks. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 91-101.	0.3	1
23	Investment Decision-Making for Transport Infrastructure Projects: optimizing vs. Satisficing. , 2020, , .		0
24	An application of anticipatory FMEA for preventing failures in humanitarian response operation. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0