Indra Gunawan

List of Publications by Year
in descending order

24 papers	265 citations	933264 10 h-index	940416 16 g-index
24 all docs	24 docs citations	24 times ranked	226 citing authors

#	ARTICLE	IF	CITATIONS
1	Forecasting the Impact of Population Growth on Robustness of Water Distribution Networks: A System Dynamics Approach. IEEE Transactions on Engineering Management, 2023, 70, 605-614.	2.4	6
2	Resolving Energy Losses Caused by End-Users in Electrical Grid Systems. Designs, 2021, 5, 23.	1.3	4
3	Energy Loss Impact in Electrical Smart Grid Systems in Australia. Sustainability, 2021, 13, 7221.	1.6	4
4	Application of Dual Concern Theory in Elucidating Conflict Behavior in Infrastructure Public-Private Partnership Projects. Journal of Construction Engineering and Management - ASCE, 2021, 147, .	2.0	2
5	The emergence and evolution of reliability theory for water distribution networks. Built Environment Project and Asset Management, 2021, 11, 251-265.	0.9	3
6	Asset management strategies using reliability, availability, and maintainability (RAM) analysis. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	0.8	3
7	Graph Theory and Its Role in Vulnerability Evaluation of Infrastructure Networks. Lecture Notes in Mechanical Engineering, 2021, , 91-101.	0.3	1
8	Exact reliability evaluation of infrastructure networks using graph theory. Quality and Reliability Engineering International, 2020, 36, 498-510.	1.4	11
9	Investment Decision-Making for Transport Infrastructure Projects: optimizing vs. Satisficing. , 2020, , .		0
10	The Implementation of Industry 4.0 â€" A Systematic Literature Review of the Key Factors. Systems Research and Behavioral Science, 2020, 37, 557-578.	0.9	40
11	An application of anticipatory FMEA for preventing failures in humanitarian response operation. AIP Conference Proceedings, 2020, , .	0.3	0
12	A framework of designing reliable disaster response operation using axiomatic design. AIP Conference Proceedings, 2020, , .	0.3	1
13	A domain-specific measure of centrality for water distribution networks. Engineering, Construction and Architectural Management, 2019, 27, 341-355.	1.8	10
14	A fuzzy-based vulnerability assessment model for infrastructure networks incorporating reliability and centrality. Engineering, Construction and Architectural Management, 2019, 27, 725-744.	1.8	8
15	Entropy of centrality values for topological vulnerability analysis of water distribution networks. Built Environment Project and Asset Management, 2019, 9, 412-425.	0.9	18
16	Integrating Topological and Hydraulic Attributes for Robustness Analysis of Water Distribution Networks. International Journal of Industrial Engineering and Operations Management, 2019, 01, 1-11.	0.6	2
17	Integrating entropy theory and cospanning tree technique for redundancy analysis of water distribution networks. Reliability Engineering and System Safety, 2018, 176, 102-112.	5.1	25
18	System Dynamics Modelling Process in Water Sector: a Review of Research Literature. Systems Research and Behavioral Science, 2018, 35, 776-790.	0.9	29

#	Article	IF	Citations
19	The four Rs performance indicators of water distribution networks. International Journal of Quality and Reliability Management, 2017, 34, 720-732.	1.3	19
20	A value-driven approach for optimizing reliability-redundancy allocation problem in multi-state weighted k-out-of-n system. Journal of Manufacturing Systems, 2016, 40, 54-62.	7.6	35
21	On Reliability Evaluation of Multistate Weighted k-out-of-n System Using Present Value. Engineering Economist, 2015, 60, 22-39.	0.3	20
22	Scheduling rotationally arranged robotic cells served by a multi-function robot. International Journal of Production Research, 2014, 52, 4037-4058.	4.9	16
23	Utilisation of data mining in mining industry: Improvement of the shearer loader productivity in underground mines. , 2012, , .		7
24	A reliability–cost optimisation model for maintenance scheduling of wastewater treatment's power generation engines. Quality and Reliability Engineering International, 0, , .	1.4	1