

Raed Jaradat

List of Publications by Year in descending order

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35
papers

1,008
citations

516710

16
h-index

434195

31
g-index

35
all docs

35
docs citations

35
times ranked

730
citing authors

#	ARTICLE	IF	CITATIONS
1	A framework for modeling and assessing system resilience using a Bayesian network: A case study of an interdependent electrical infrastructure system. <i>International Journal of Critical Infrastructure Protection</i> , 2019, 25, 62-83.	4.6	101
2	A Bayesian network based approach for modeling and assessing resilience: A case study of a full service deep water port. <i>Reliability Engineering and System Safety</i> , 2019, 189, 378-396.	8.9	97
3	Sustainability driven multi-criteria project portfolio selection under uncertain decision-making environment. <i>Computers and Industrial Engineering</i> , 2020, 140, 106236.	6.3	86
4	A collaborative energy sharing optimization model among electric vehicle charging stations, commercial buildings, and power grid. <i>Applied Energy</i> , 2018, 229, 841-857.	10.1	85
5	An exploratory investigation of Additively Manufactured Product life cycle sustainability assessment. <i>Journal of Cleaner Production</i> , 2018, 192, 55-70.	9.3	84
6	Modeling and assessing interdependencies between critical infrastructures using Bayesian network: A case study of inland waterway port and surrounding supply chain network. <i>Reliability Engineering and System Safety</i> , 2020, 198, 106898.	8.9	80
7	Leveraging a Bayesian network approach to model and analyze supplier vulnerability to severe weather risk: A case study of the U.S. pharmaceutical supply chain following Hurricane Maria. <i>International Journal of Disaster Risk Reduction</i> , 2020, 49, 101607.	3.9	65
8	Systems Thinking: A Review and Bibliometric Analysis. <i>Systems</i> , 2020, 8, 23.	2.3	51
9	An assessment of probabilistic disaster in the oil and gas supply chain leveraging Bayesian belief network. <i>International Journal of Production Economics</i> , 2021, 235, 108107.	8.9	50
10	Enablers of resilience in the healthcare supply chain: A case study of U.S healthcare industry during COVID-19 pandemic. <i>Research in Transportation Economics</i> , 2022, 93, 101174.	4.1	36
11	Integrating systems thinking skills with multi-criteria decision-making technology to recruit employee candidates. <i>Expert Systems With Applications</i> , 2020, 160, 113585.	7.6	32
12	Modelling and assessing sustainability of a supply chain network leveraging multi Echelon Bayesian Network. <i>Journal of Cleaner Production</i> , 2021, 302, 126855.	9.3	29
13	Modeling and assessing cyber resilience of smart grid using Bayesian network-based approach: a system of systems problem. <i>Journal of Computational Design and Engineering</i> , 2020, 7, 352-366.	3.1	27
14	Efficacy Investigation of Virtual Reality Teaching Module in Manufacturing System Design Course. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2019, 141, .	2.9	22
15	A systemic approach for disruption risk assessment in oil and gas supply chains. <i>International Journal of Critical Infrastructures</i> , 2019, 15, 230.	0.2	20
16	Metrics for Assessing Overall Performance of Inland Waterway Ports: A Bayesian Network Based Approach. <i>Complexity</i> , 2019, 2019, 1-17.	1.6	19
17	The Complementary Perspective of System of Systems in Collaboration, Integration, and Logistics: A Value-Chain Based Paradigm of Supply Chain Management. <i>Systems</i> , 2017, 5, 50.	2.3	18
18	The Impact of Practitioners'™ Personality Traits on Their Level of Systems-Thinking Skills Preferences. <i>EMJ - Engineering Management Journal</i> , 2021, 33, 156-173.	2.3	14

#	ARTICLE	IF	CITATIONS
19	Role of systems engineering attributes in enhancing supply chain resilience: Healthcare in context of COVID-19 pandemic. Heliyon, 2022, 8, e09592.	3.2	14
20	Vehicle operating state anomaly detection and results virtual reality interpretation. Expert Systems With Applications, 2021, 177, 114928.	7.6	12
21	Moderation Effect of Managerial Experience on the Level of Systems-Thinking Skills. , 2019, , .		10
22	Holistic and reductionist thinker: a comparison study based on individuals' skillset and personality types. International Journal of System of Systems Engineering, 2020, 10, 337.	0.5	7
23	Assessing the Social Impacts of Additive Manufacturing Using Hierarchical Evidential Reasoning Approach. Global Journal of Flexible Systems Management, 2022, 23, 201-220.	6.3	7
24	The Relationship between Personality Types and the Cognitive - Metacognitive Strategies. Journal of Studies in Education, 2018, 8, 29.	0.2	6
25	Classification of individual managers' systems thinking skills based on different organizational ownership structures. Systems Research and Behavioral Science, 2022, 39, 258-273.	1.6	6
26	The effect of an individual's education level on their systems skills in the system of systems domain. Journal of Management Analytics, 2020, 7, 510-531.	2.5	5
27	A data driven decision model for assessing the enablers of quality dimensions: Context of industry 4.0. CIRP Journal of Manufacturing Science and Technology, 2021, 35, 896-910.	4.5	5
28	Assessment of Workforce Systems Preferences/Skills Based on Employment Domain. EMJ - Engineering Management Journal, 2020, 32, 61-73.	2.3	4
29	The Architecture Design of Electrical Vehicle Infrastructure Using Viable System Model Approach. Systems, 2021, 9, 19.	2.3	4
30	Moderation Effect of Managerial Experience on the Level of Systems-Thinking Skills. SSRN Electronic Journal, 2019, , .	0.4	3
31	Selecting a Biomass Pelletizing Processing Depot Using a Data Driven Decision-Making Approach. Systems, 2021, 9, 32.	2.3	3
32	An Assessment of Individuals'™ Systems Thinking Skills via Immersive Virtual Reality Complex System Scenarios. Systems, 2021, 9, 40.	2.3	2
33	Do the Practitioners'™ Level of Systems-Thinking Skills Differ across Sector Types?. , 2020, , .		2
34	Effect of Individual Differences in Predicting Engineering Students' Performance: A Case of Education for Sustainable Development. , 2020, , .		2
35	Development of Perceived Complex Problem-Solving Instrument in Domain of Complex Systems. Systems, 2021, 9, 51.	2.3	0