Cheng-Fu Huang

List of Publications by Year
in descending order

49 papers	452 citations	623188 14 h-index	839053 18 g-index
49 all docs	49 docs citations	49 times ranked	250 citing authors

#	Article	IF	Citations
1	System reliability for a multi-state distribution network with multiple terminals under stocks. Annals of Operations Research, 2022, 311, 117-130.	2.6	7
2	Reliability of spare routing via intersectional minimal paths within budget and time constraints by simulation. Annals of Operations Research, 2022, 312, 345-368.	2.6	6
3	Reliability Evaluation of a Cloudâ€“Fog Computing Network Considering Transmission Mechanisms. IEEE Transactions on Reliability, 2022, 71, 1355-1367.	3.5	4
4	Network reliability evaluation for multi-state computing networks considering demand as the non-integer type. Reliability Engineering and System Safety, 2022, 219, 108226.	5.1	5
5	System Reliability Assessment of a Fast Retransmit Through ${k}$ Separate Minimal Paths Under the Latency. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 1395-1405.	5.9	6
6	A Binding Algorithm of Lower Boundary Points Generation for Network Reliability Evaluation. IEEE Transactions on Reliability, 2020, 69, 1087-1096.	3.5	6
7	A novel minimal cut-based algorithm to find all minimal capacity vectors for multi-state flow networks. European Journal of Operational Research, 2020, 282, 1107-1114.	3.5	12
8	Exact project reliability for a multi-state project network subject to time and budget constraints. Reliability Engineering and System Safety, 2020, 195, 106744.	5.1	19
9	Reliability Analysis for Multi-state Projects by Decomposition Subsets. , 2020, , .		0
10	Network reliability evaluation for a distributed network with edge computing. Computers and Industrial Engineering, 2020, 147, 106492.	3.4	17
11	Reliability Evaluation for a Cloud Computer Network with Fog Computing. , 2020, , .		1
12	Reliability Evaluation for a Stochastic Flow Network Based on Upper and Lower Boundary Vectors. Mathematics, 2019, 7, 1115.	1.1	8
13	Evaluation of system reliability for a stochastic delivery-flow distribution network with inventory. Annals of Operations Research, 2019, 277, 33-45.	2.6	23
14	Reliability of a stochastic intermodal logistics network under spoilage and time considerations. Annals of Operations Research, 2019, 277, 95-118.	2.6	10
15	Reliability assessment of a multistate freight network for perishable merchandise with multiple suppliers and buyers. International Journal of Systems Science, 2017, 48, 74-83.	3.7	13
16	A mathematical programming model for constructing the confidence interval of process capability indexC_{pm}in evaluating process performance: an example of five-way pipe. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 2017, 40, 126-133.	0.6	29
17	System Reliability of an Intermittent Production System. , 2017, , 213-233.		0
18	Project Reliability Interval for a Stochastic Project Network Subject to Time and Budget Constraints. IEEE Transactions on Reliability, 2017, 66, 689-699.	3.5	12

#	Article	IF	Citations
19	System reliability for a multistate intermodal logistics network with time windows. International Journal of Production Research, 2017, 55, 1957-1969.	4.9	31
20	Assessment of system reliability for a stochastic-flow distribution network with the spoilage property. International Journal of Systems Science, 2016, 47, 1421-1432.	3.7	5
21	Vehicle glass distribution reliability measurement under transportation cost constraint. European Journal of Industrial Engineering, 2016, 10, 243.	0.5	3
22	Estimated network reliability evaluation for a stochastic flexible flow shop network with different types of jobs. Computers and Industrial Engineering, 2016, 98, 401-412.	3.4	21
23	Reliability of a Multi-State Computer Network ThroughkMinimal Paths Within Tolerable Error Rate and Time Threshold. Quality and Reliability Engineering International, 2016, 32, 1393-1405.	1.4	3
24	Reliability evaluation according to a routing scheme for multi-state computer networks under assured accuracy rate. Annals of Operations Research, 2016, 244, 221-240.	2.6	4
25	A simple algorithm to evaluate supply-chain reliability for brittle commodity logistics under production and delivery constraints. Annals of Operations Research, 2016, 244, 67-83.	2.6	15
26	Routing scheme of a multi-state computer network employing a retransmission mechanism within a time threshold. Information Sciences, 2016, 340-341, 321-336.	4.0	15
27	Assessment of spare reliability for multi-state computer networks within tolerable packet unreliability. International Journal of Systems Science, 2015, 46, 1020-1035.	3.7	5
28	Spare Reliability for Capacitated Computer Networks Under Tolerable Error Rate and Latency Considerations. Communications in Statistics Part B: Simulation and Computation, 2014, 43, 1879-1899.	0.6	1
29	Network reliability with deteriorating product and production capacity through a multi-state delivery network. International Journal of Production Research, 2014, 52, 6681-6694.	4.9	20
30	Reliability Evaluation of a Multi-state Network with Multiple Sinks under Individual Accuracy Rate Constraint. Communications in Statistics - Theory and Methods, 2014, 43, 4519-4533.	0.6	2
31	A reliability indicator to measure a stochastic supply chain network with transportation damage and limited production capacity. IIE Transactions, 2014, 46, 1066-1078.	2.1	15
32	Reliability assessment of a stochastic node-failure network with multiple sinks under tolerable error rate. International Journal of Computer Mathematics, 2014, 91, 819-833.	1.0	1
33	Reliability evaluation subject to assured accuracy rate and time for stochastic unreliable-node computer networks. Journal of Statistical Computation and Simulation, 2014, 84, 1530-1542.	0.7	1
34	Performance assessment of stochastic node-failure computer networks according to routing scheme under packet reliability. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 2014, 37, 722-730.	0.6	1
35	A stochastic node-failure network with individual tolerable error rate at multiple sinks. International Journal of Systems Science, 2014, 45, 935-946.	3.7	1
36	System reliability of assured accuracy rate for multi-state computer networks from service level agreements viewpoint. Journal of Systems Science and Systems Engineering, 2014, 23, 196-211.	0.8	6

#	Article	IF	Citations
37	Backup reliability assessment within tolerable packet error rate for a multi-state unreliable vertex computer network. Information Sciences, 2014, 277, 582-596.	4.0	11
38	Reliability evaluation of a stochastic-flow distribution network with delivery spoilage. Computers and Industrial Engineering, 2013, 66, 352-359.	3.4	24
39	Stochastic computer network with multiple terminals under total accuracy rate. Journal of Zhejiang University: Science C, 2013, 14, 75-84.	0.7	0
40	System reliability evaluation of a touch panel manufacturing system with defect rate and reworking. Reliability Engineering and System Safety, 2013, 118, 51-60.	5.1	17
41	Delivery reliability of computer networks for data transmission within the permitted packet error rate and latency. Computers and Electrical Engineering, 2013, 39, 2161-2172.	3.0	3
42	Stochastic computer network under accuracy rate constraint from QoS viewpoint. Information Sciences, 2013, 239, 241-252.	4.0	13
43	TRANSMISSION RELIABILITY OF A STOCHASTIC IMPERFECT VERTEX COMPUTER NETWORK WITH PACKET UNRELIABILITY AND TIME ATTRIBUTES. International Journal of Reliability, Quality and Safety Engineering, 2013, 20, 1350018.	0.4	0
44	Backup reliability of stochastic imperfect-node computer networks subject to packet accuracy rate and time constraints. International Journal of Computer Mathematics, 2013, 90, 457-474.	1.0	1
45	Assessing reliability within error rate and time constraint for a stochastic node-imperfect computer network. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2013, 227, 80-85.	0.6	7
46	Stochastic Flow Network Reliability with Tolerable Error Rate. Quality Technology and Quantitative Management, 2013, 10, 57-73.	1.1	19
47	A multi-state computer network within transmission error rate and time constraints. Journal of the Chinese Institute of Industrial Engineers, 2012, 29, 477-484.	0.5	3
48	Application of RPN analysis to parameter optimization of passive components. Microelectronics Reliability, 2010, 50, 2012-2019.	0.9	20
49	System reliability analysis for a cloud-based network under edge server capacity and budget constraints. Annals of Operations Research, 0, , 1.	2.6	6