

# Cheng-Fu Huang

## List of Publications by Year in descending order

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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 multistate intermodal logistics network with time windows. <i>International Journal of Production Research</i> , 2017, 55, 1957-1969.	4.9	31
2	A mathematical programming model for constructing the confidence interval of process capability index $C_{pm}$ in evaluating process performance: an example of five-way pipe. <i>Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A</i> / <i>Chung-kuo Kung Ch'eng Hsueh K'an</i> , 2017, 40, 126-133.	0.6	29
3	Reliability evaluation of a stochastic-flow distribution network with delivery spoilage. <i>Computers and Industrial Engineering</i> , 2013, 66, 352-359.	3.4	24
4	Evaluation of system reliability for a stochastic delivery-flow distribution network with inventory. <i>Annals of Operations Research</i> , 2019, 277, 33-45.	2.6	23
5	Estimated network reliability evaluation for a stochastic flexible flow shop network with different types of jobs. <i>Computers and Industrial Engineering</i> , 2016, 98, 401-412.	3.4	21
6	Application of RPN analysis to parameter optimization of passive components. <i>Microelectronics Reliability</i> , 2010, 50, 2012-2019.	0.9	20
7	Network reliability with deteriorating product and production capacity through a multi-state delivery network. <i>International Journal of Production Research</i> , 2014, 52, 6681-6694.	4.9	20
8	Stochastic Flow Network Reliability with Tolerable Error Rate. <i>Quality Technology and Quantitative Management</i> , 2013, 10, 57-73.	1.1	19
9	Exact project reliability for a multi-state project network subject to time and budget constraints. <i>Reliability Engineering and System Safety</i> , 2020, 195, 106744.	5.1	19
10	System reliability evaluation of a touch panel manufacturing system with defect rate and reworking. <i>Reliability Engineering and System Safety</i> , 2013, 118, 51-60.	5.1	17
11	Network reliability evaluation for a distributed network with edge computing. <i>Computers and Industrial Engineering</i> , 2020, 147, 106492.	3.4	17
12	A reliability indicator to measure a stochastic supply chain network with transportation damage and limited production capacity. <i>IIE Transactions</i> , 2014, 46, 1066-1078.	2.1	15
13	A simple algorithm to evaluate supply-chain reliability for brittle commodity logistics under production and delivery constraints. <i>Annals of Operations Research</i> , 2016, 244, 67-83.	2.6	15
14	Routing scheme of a multi-state computer network employing a retransmission mechanism within a time threshold. <i>Information Sciences</i> , 2016, 340-341, 321-336.	4.0	15
15	Stochastic computer network under accuracy rate constraint from QoS viewpoint. <i>Information Sciences</i> , 2013, 239, 241-252.	4.0	13
16	Reliability assessment of a multistate freight network for perishable merchandise with multiple suppliers and buyers. <i>International Journal of Systems Science</i> , 2017, 48, 74-83.	3.7	13
17	Project Reliability Interval for a Stochastic Project Network Subject to Time and Budget Constraints. <i>IEEE Transactions on Reliability</i> , 2017, 66, 689-699.	3.5	12
18	A novel minimal cut-based algorithm to find all minimal capacity vectors for multi-state flow networks. <i>European Journal of Operational Research</i> , 2020, 282, 1107-1114.	3.5	12

#	ARTICLE	IF	CITATIONS
19	Backup reliability assessment within tolerable packet error rate for a multi-state unreliable vertex computer network. <i>Information Sciences</i> , 2014, 277, 582-596.	4.0	11
20	Reliability of a stochastic intermodal logistics network under spoilage and time considerations. <i>Annals of Operations Research</i> , 2019, 277, 95-118.	2.6	10
21	Reliability Evaluation for a Stochastic Flow Network Based on Upper and Lower Boundary Vectors. <i>Mathematics</i> , 2019, 7, 1115.	1.1	8
22	Assessing reliability within error rate and time constraint for a stochastic node-imperfect computer network. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , 2013, 227, 80-85.	0.6	7
23	System reliability for a multi-state distribution network with multiple terminals under stocks. <i>Annals of Operations Research</i> , 2022, 311, 117-130.	2.6	7
24	System reliability of assured accuracy rate for multi-state computer networks from service level agreements viewpoint. <i>Journal of Systems Science and Systems Engineering</i> , 2014, 23, 196-211.	0.8	6
25	System Reliability Assessment of a Fast Retransmit Through $\{k\}$ Separate Minimal Paths Under the Latency. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 1395-1405.	5.9	6
26	A Binding Algorithm of Lower Boundary Points Generation for Network Reliability Evaluation. <i>IEEE Transactions on Reliability</i> , 2020, 69, 1087-1096.	3.5	6
27	Reliability of spare routing via intersectional minimal paths within budget and time constraints by simulation. <i>Annals of Operations Research</i> , 2022, 312, 345-368.	2.6	6
28	System reliability analysis for a cloud-based network under edge server capacity and budget constraints. <i>Annals of Operations Research</i> , 0, , 1.	2.6	6
29	Assessment of spare reliability for multi-state computer networks within tolerable packet unreliability. <i>International Journal of Systems Science</i> , 2015, 46, 1020-1035.	3.7	5
30	Assessment of system reliability for a stochastic-flow distribution network with the spoilage property. <i>International Journal of Systems Science</i> , 2016, 47, 1421-1432.	3.7	5
31	Network reliability evaluation for multi-state computing networks considering demand as the non-integer type. <i>Reliability Engineering and System Safety</i> , 2022, 219, 108226.	5.1	5
32	Reliability evaluation according to a routing scheme for multi-state computer networks under assured accuracy rate. <i>Annals of Operations Research</i> , 2016, 244, 221-240.	2.6	4
33	Reliability Evaluation of a Cloud-Fog Computing Network Considering Transmission Mechanisms. <i>IEEE Transactions on Reliability</i> , 2022, 71, 1355-1367.	3.5	4
34	A multi-state computer network within transmission error rate and time constraints. <i>Journal of the Chinese Institute of Industrial Engineers</i> , 2012, 29, 477-484.	0.5	3
35	Delivery reliability of computer networks for data transmission within the permitted packet error rate and latency. <i>Computers and Electrical Engineering</i> , 2013, 39, 2161-2172.	3.0	3
36	Vehicle glass distribution reliability measurement under transportation cost constraint. <i>European Journal of Industrial Engineering</i> , 2016, 10, 243.	0.5	3

#	ARTICLE	IF	CITATIONS
37	Reliability of a Multi-State Computer Network Through Minimal Paths Within Tolerable Error Rate and Time Threshold. <i>Quality and Reliability Engineering International</i> , 2016, 32, 1393-1405.	1.4	3
38	Reliability Evaluation of a Multi-state Network with Multiple Sinks under Individual Accuracy Rate Constraint. <i>Communications in Statistics - Theory and Methods</i> , 2014, 43, 4519-4533.	0.6	2
39	Backup reliability of stochastic imperfect-node computer networks subject to packet accuracy rate and time constraints. <i>International Journal of Computer Mathematics</i> , 2013, 90, 457-474.	1.0	1
40	Spare Reliability for Capacitated Computer Networks Under Tolerable Error Rate and Latency Considerations. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2014, 43, 1879-1899.	0.6	1
41	Reliability assessment of a stochastic node-failure network with multiple sinks under tolerable error rate. <i>International Journal of Computer Mathematics</i> , 2014, 91, 819-833.	1.0	1
42	Reliability evaluation subject to assured accuracy rate and time for stochastic unreliable-node computer networks. <i>Journal of Statistical Computation and Simulation</i> , 2014, 84, 1530-1542.	0.7	1
43	Performance assessment of stochastic node-failure computer networks according to routing scheme under packet reliability. <i>Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an</i> , 2014, 37, 722-730.	0.6	1
44	A stochastic node-failure network with individual tolerable error rate at multiple sinks. <i>International Journal of Systems Science</i> , 2014, 45, 935-946.	3.7	1
45	Reliability Evaluation for a Cloud Computer Network with Fog Computing. , 2020, , .		1
46	Stochastic computer network with multiple terminals under total accuracy rate. <i>Journal of Zhejiang University: Science C</i> , 2013, 14, 75-84.	0.7	0
47	TRANSMISSION RELIABILITY OF A STOCHASTIC IMPERFECT VERTEX COMPUTER NETWORK WITH PACKET UNRELIABILITY AND TIME ATTRIBUTES. <i>International Journal of Reliability, Quality and Safety Engineering</i> , 2013, 20, 1350018.	0.4	0
48	System Reliability of an Intermittent Production System. , 2017, , 213-233.		0
49	Reliability Analysis for Multi-state Projects by Decomposition Subsets. , 2020, , .		0