Liudong Xing

List of Publications by Year in Descending Order

285 papers	4,939 citations	38 h-index	54 g-index
303 ext. papers	5,998 ext. citations	4.4 avg, IF	6.75 L-index

#	Paper	IF	Citations
285	Bitcoin Selfish Mining Modeling and Dependability Analysis. *International Journal of Mathematical, Engineering and Management Sciences*, **2022**, 7, 16-27	1	
284	Reliability analysis of smart home sensor systems subject to competing failures. *Reliability Engineering and System Safety*, **2022**, 221, 108327	6.3	2
283	Optimal sequencing of elements activation in 1-out-of-n warm standby system with storage. *Reliability Engineering and System Safety*, **2022**, 221, 108380	6.3	3
282	Optimal loading of repairable system with perfect product storage. *Reliability Engineering and System Safety*, **2022**, 220, 108293	6.3	4
281	Minimum cost replacement and maintenance scheduling in dual-dissimilar-unit standby systems. *Reliability Engineering and System Safety*, **2022**, 218, 108127	6.3	0
280	Optimal mission aborting in multistate systems with storage. *Reliability Engineering and System Safety*, **2022**, 218, 108086	6.3	10
279	Data-Driven Maintenance Priority and Resilience Evaluation of Performance Loss in a Main Coolant System. *Mathematics*, **2022**, 10, 563	2.3	3
278	Maintenance cost-based importance analysis under different maintenance strategies. *Reliability Engineering and System Safety*, **2022**, 222, 108435	6.3	0
277	Unrepairable system with single production unit and n failure-prone identical parallel storage units. *Reliability Engineering and System Safety*, **2022**, 222, 108437	6.3	2
276	Co-residence based data theft game in cloud system with virtual machine replication and cancellation. *Reliability Engineering and System Safety*, **2022**, 222, 108415	6.3	1
275	Heterogeneous 1-out-of-n standby systems with limited unit operation time. *Reliability Engineering and System Safety*, **2022**, 108532	6.3	1
274	Combinatorial Reliability Evaluation of Multi-State System with Epistemic Uncertainty. *International Journal of Mathematical, Engineering and Management Sciences*, **2022**, 7, 312-324	1	0
273	Unrepairable system with consecutively used imperfect storage units. *Reliability Engineering and System Safety*, **2022**, 225, 108574	6.3	1
272	Optimizing the maximum filling level of perfect storage in system with imperfect production unit. *Reliability Engineering and System Safety*, **2022**, 108629	6.3	0
271	Data Resilience Under Co-residence Attacks in Cloud Environment **2021**, 739-761		0
270	Mission aborting and system rescue for multi-state systems with arbitrary structure. *Reliability Engineering and System Safety*, **2021**, 108225	6.3	5
269	Efficient reliability analysis of dynamic k -out-of- n phase-AND mission systems. *Quality and Reliability Engineering International*, **2021**, 37, 1783-1795	2.6	1

268	Dependability Analysis of Bitcoin subject to Eclipse Attacks. *International Journal of Mathematical, Engineering and Management Sciences*, **2021**, 6, 469-479	1	1
267	Semi-Markov Based Dependability Modeling of Bitcoin Nodes Under Eclipse Attacks and State-Dependent Mitigation. *International Journal of Mathematical, Engineering and Management Sciences*, **2021**, 6, 480-492	1	2
266	Optimal non-periodic replacement and reactivation in standby systems with protection and maintenance options. *Computers and Industrial Engineering*, **2021**, 155, 107178	6.4	8
265	Joint optimization of budget allocation and maintenance planning of multi-facility transportation infrastructure systems. *European Journal of Operational Research*, **2021**, 288, 382-393	5.6	10
264	Efficient Analysis of Repairable Computing Systems Subject to Scheduled Checkpointing. *IEEE Transactions on Dependable and Secure Computing*, **2021**, 18, 1-14	3.9	16
263	Optimizing preventive replacement schedule in standby systems with time consuming task transfers. *Reliability Engineering and System Safety*, **2021**, 205, 107227	6.3	14
262	Reliability analysis of body sensor networks subject to random isolation time. *Reliability Engineering and System Safety*, **2021**, 207, 107345	6.3	1
261	Cascading Failures in Internet of Things: Review and Perspectives on Reliability and Resilience. *IEEE Internet of Things Journal*, **2021**, 8, 44-64	10.7	32
260	Efficient Analysis of Resource Availability for Cloud Computing Systems to Reduce SLA Violations. *IEEE Transactions on Dependable and Secure Computing*, **2021**, 1-1	3.9	1
259	Reliability Modeling of Wireless Sensor Networks: A Review. *Recent Patents on Engineering*, **2021**, 15, 3-11	0.3	7
258	Optimal operation and maintenance scheduling in m-out-of-n standby systems with reusable elements. *Reliability Engineering and System Safety*, **2021**, 211, 107582	6.3	10
257	A Fast and Accurate Reliability Approximation Method for Heterogeneous Cold Standby Sparing Systems. *Reliability Engineering and System Safety*, **2021**, 212, 107596	6.3	4
256	Mixed failure-driven and shock-driven mission aborts in heterogeneous systems with arbitrary structure. *Reliability Engineering and System Safety*, **2021**, 212, 107581	6.3	3
255	Optimal multiple replacement and maintenance scheduling in two-unit systems. *Reliability Engineering and System Safety*, **2021**, 213, 107803	6.3	4
254	Linear system design with application in wireless sensor networks. *Journal of Industrial Information Integration*, **2021**, 100279	7	2
253	Partial mission aborting in work sharing systems. *Reliability Engineering and System Safety*, **2021**, 214, 107716	6.3	6
252	Minimization of Expected User Losses Considering Co-resident Attacks in Cloud System with Task Replication and Cancellation. *Reliability Engineering and System Safety*, **2021**, 214, 107705	6.3	3
251	Dynamic task distribution balancing primary mission work and damage reduction work in parallel systems exposed to shocks. *Reliability Engineering and System Safety*, **2021**, 215, 107907	6.3	2

250	Probabilities of mission success and system survival in multi-state systems with arbitrary structure. *Computers and Industrial Engineering*, **2021**, 161, 107597	6.4	2
249	Importance measure-based maintenance optimization strategy for pod slewing system. *Reliability Engineering and System Safety*, **2021**, 216, 108001	6.3	5
248	Security and reliability of N-version cloud-based task solvers with individual version cancellation under data theft attacks. *Reliability Engineering and System Safety*, **2021**, 216, 107920	6.3	2
247	Influence of storage on mission success probability of m-out-of-n standby systems with reusable elements. *Reliability Engineering and System Safety*, **2021**, 216, 107976	6.3	7
246	Joint optimal mission aborting and replacement and maintenance scheduling in dual-unit standby systems. *Reliability Engineering and System Safety*, **2021**, 216, 107921	6.3	7
245	Mission Aborting in n-Unit Systems With Work Sharing. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-12	7.3	5
244	A behavior-driven reliability modeling method for complex smart systems. *Quality and Reliability Engineering International*, **2021**, 37, 2065-2084	2.6	2
243	Influence of Load on Reliability of Storage Area Networks. *International Journal of Mathematical, Engineering and Management Sciences*, **2021**, 6, 1533-1552	1	1
242	Optimal early warning defense of N-version programming service against co-resident attacks in cloud system. *Reliability Engineering and System Safety*, **2020**, 201, 106969	6.3	7
241	Reliability in Internet of Things: Current Status and Future Perspectives. *IEEE Internet of Things Journal*, **2020**, 7, 6704-6721	10.7	42
240	Series phased-mission systems with heterogeneous warm standby components. *Computers and Industrial Engineering*, **2020**, 145, 106552	6.4	14
239	Reliability of a two-dimensional demand-based networked system with multistate components. *Naval Research Logistics*, **2020**, 67, 453-468	1.5	19
238	Mapping grid based online taxi anomalous trajectory detection. *International Journal of Systems Science*, **2020**, 51, 1589-1603	2.3	2
237	Performability analysis of multi-state sliding window systems. *Reliability Engineering and System Safety*, **2020**, 202, 107003	6.3	5
236	Co-Residence Data Theft Attacks on N-Version Programming-Based Cloud Services With Task Cancelation. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-10	7.3	4
235	A new combinatorial model for deterministic competing failure analysis. *Quality and Reliability Engineering International*, **2020**, 36, 1475-1493	2.6	3
234	Optimizing Imperfect Coverage Cloud-RAID Systems Considering Reliability and Cost. *International Journal of Reliability, Quality and Safety Engineering*, **2020**, 27, 2040001	0.6	4
233	Survivability and Vulnerability Analysis of Cloud RAID Systems under Disk Faults and Attacks. *International Journal of Mathematical, Engineering and Management Sciences*, **2020**, 6, 15-29	1	1

232	Efficient Mincuts Identification for Phased-Mission Systems. *IEEE Access*, **2020**, 8, 223652-223660	3.5	0
231	Optimizing software rejuvenation policy for tasks with periodic inspections and time limitation. *Reliability Engineering and System Safety*, **2020**, 197, 106776	6.3	3
230	Reliability modeling of correlated competitions and dependent components with random failure propagation time. *Quality and Reliability Engineering International*, **2020**, 36, 947-964	2.6	7
229	Multivalued decision diagram-based common cause failure analysis in phased-mission systems. *Computers and Industrial Engineering*, **2020**, 146, 106622	6.4	13
228	Mission Abort Policy for Systems with Observable States of Standby Components. *Risk Analysis*, **2020**, 40, 1900-1912	3.9	15
227	Optimal replacement and reactivation in warm standby systems performing random duration missions. *Computers and Industrial Engineering*, **2020**, 149, 106791	6.4	12
226	Reliability analysis of IoT systems with competitions from cascading probabilistic function dependence. *Reliability Engineering and System Safety*, **2020**, 198, 106812	6.3	18
225	Network Simplification and K-Terminal Reliability Evaluation of Sensor-Cloud Systems. *IEEE Access*, **2020**, 8, 177206-177218	3.5	4
224	Reliability Model Based Dynamic Multi-Level Trust Analysis. *Applied Sciences (Switzerland)*, **2020**, 10, 5854	4.6	1
223	An improved matrix-based endovascular guidewire position simulation using fusiform ternary tree. *International Journal of Medical Robotics and Computer Assisted Surgery*, **2020**, 16, 1-11	2.9	0
222	Reliability vs. Vulnerability of N-version Programming Cloud Service Component with Dynamic Decision Time under Co-resident Attacks. *IEEE Transactions on Services Computing*, **2020**, 1-1	4.8	2
221	Reliability Analysis of IoT Networks with Community Structures. *IEEE Transactions on Network Science and Engineering*, **2020**, 7, 304-315	4.9	5
220	Optimization of time constrained N-version programming service components with competing task execution and version corruption processes. *Reliability Engineering and System Safety*, **2020**, 193, 106666	6.3	12
219	Efficient reliability analysis of dynamic k-out-of-n heterogeneous phased-mission systems. *Reliability Engineering and System Safety*, **2020**, 193, 106586	6.3	16
218	Cost minimization of real-time mission for software systems with rejuvenation. *Reliability Engineering and System Safety*, **2020**, 193, 106593	6.3	6
217	Aggregated Markov-based reliability analysis of multi-state systems under combined dynamic environments. *Quality and Reliability Engineering International*, **2020**, 36, 846-860	2.6	4
216	Modular Imperfect Coverage **2019**, 49-59		
215	Dynamic Standby Sparing **2019**, 201-227		

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196	Balancing Reliability and Cost in Cloud-RAID Systems with Fault-Level Coverage. *International Journal of Mathematical, Engineering and Management Sciences*, **2019**, 4, 1068-1080	1	3
195	Recent Advances on Reliability of Phased Mission Systems. *Communications in Computer and Information Science*, **2019**, 19-43	0.3	5
194	Multivalued Decision Diagrams-Based Trust Level Analysis for Social Networks. *IEEE Access*, **2019**, 7, 180620-180629	3.9	1
193	Probabilistic modeling and analysis of sequential cyber-attacks. *Engineering Reports*, **2019**, 1, e12065	1.2	7
192	Fault-level coverage analysis of multistate cloud-RAID storage systems. *Engineering Reports*, **2019**, 1, e12045	1.2	
191	. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 1-13	7.3	14
190	Influence of failure propagation on mission abort policy in heterogeneous warm standby systems. *Reliability Engineering and System Safety*, **2019**, 183, 29-38	6.3	45
189	Joint optimal checkpointing and rejuvenation policy for real-time computing tasks. *Reliability Engineering and System Safety*, **2019**, 182, 63-72	6.3	14
188	Security of Separated Data in Cloud Systems with Competing Attack Detection and Data Theft Processes. *Risk Analysis*, **2019**, 39, 846-858	3.9	14
187	Cost effective scheduling of imperfect inspections in systems with hidden failures and rescue possibility. *Applied Mathematical Modelling*, **2019**, 68, 662-674	4.5	16
186	Optimizing dynamic survivability and security of replicated data in cloud systems under co-residence attacks. *Reliability Engineering and System Safety*, **2019**, 192, 106265	6.3	17
185	An analytical method for reliability analysis of hardware-software co-design system. *Quality and Reliability Engineering International*, **2019**, 35, 165-178	2.6	13
184	. *IEEE Transactions on Dependable and Secure Computing*, **2019**, 16, 301-312	3.9	4
183	. *IEEE Transactions on Cloud Computing*, **2019**, 7, 693-704	3.3	13
182	**2019**,		23
181	Performability Analysis of k-to-l-Out-of-n Computing Systems Using Binary Decision Diagrams. *IEEE Transactions on Dependable and Secure Computing*, **2018**, 15, 126-137	3.9	13
180	Optimizing software rejuvenation policy for real time tasks. *Reliability Engineering and System Safety*, **2018**, 176, 202-208	6.3	7
179	Probabilistic competing failure analysis in phased-mission systems. *Reliability Engineering and System Safety*, **2018**, 176, 37-51	6.3	18

178	An efficient phased-mission reliability model considering dynamic k-out-of-n subsystem redundancy. *IISE Transactions*, **2018**, 50, 868-877	3.3	16
177	Optimization of dynamic spot-checking for collusion tolerance in grid computing. *Future Generation Computer Systems*, **2018**, 86, 30-38	7.5	2
176	Co-optimization of state dependent loading and mission abort policy in heterogeneous warm standby systems. *Reliability Engineering and System Safety*, **2018**, 172, 151-158	6.3	32
175	A hierarchical combinatorial reliability model for smart home systems. *Quality and Reliability Engineering International*, **2018**, 34, 37-52	2.6	21
174	Mission Abort Policy in Heterogeneous Nonrepairable 1-Out-of-N Warm Standby Systems. *IEEE Transactions on Reliability*, **2018**, 67, 342-354	4.6	53
173	. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2018**, 48, 1505-1520	7.3	11
172	Optimizing Dynamic Performance of Multistate Systems With Heterogeneous 1-Out-of- ${N}$ Warm Standby Components. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2018**, 48, 920-929	7.3	11
171	System Reliability Modeling Considering Correlated Probabilistic Competing Failures. *IEEE Transactions on Reliability*, **2018**, 67, 416-431	4.6	16
170	Performability Analysis of Large-Scale Multi-State Computing Systems. *IEEE Transactions on Computers*, **2018**, 67, 59-72	2.5	9
169	Connectivity modeling and optimization of linear consecutively connected systems with repairable connecting elements. *European Journal of Operational Research*, **2018**, 264, 732-741	5.6	16
168	Optimal work distribution and backup frequency for two non-identical work sharing elements. *Reliability Engineering and System Safety*, **2018**, 170, 127-136	6.3	3
167	Dynamic Performance of Series Parallel Multi-state Systems with Standby Subsystems or Repairable Binary Elements. *Springer Series in Reliability Engineering*, **2018**, 159-178	0.2	1
166	Imperfect Coverage Analysis for Cloud-RAID 5. *Lecture Notes in Mechanical Engineering*, **2018**, 207-220	0.4	1
165	Aggregated combinatorial reliability model for non-repairable parallel phased-mission systems. *Reliability Engineering and System Safety*, **2018**, 176, 242-250	6.3	27
164	Copula-based reliability and safety analysis of safety-critical systems with dependent failures. *Quality and Reliability Engineering International*, **2018**, 34, 928-938	2.6	9
163	Co-residence based data vulnerability vs. security in cloud computing system with random server assignment. *European Journal of Operational Research*, **2018**, 267, 676-686	5.6	31
162	Heterogeneous 1-out-of-N warm standby systems with online checkpointing. *Reliability Engineering and System Safety*, **2018**, 169, 127-136	6.3	15
161	Probabilistic competing failure analysis in multi-state wireless sensor networks **2018**,		3

160	Probabilistic Security Risk Assessment of Systems Subject to Sequential Attacks **2018**,		2
159	Connectivity evaluation and optimal service centers allocation in repairable linear consecutively connected systems. *Reliability Engineering and System Safety*, **2018**, 176, 187-193	6.3	3
158	Reliability evaluation of unrepairable k -out-of- n : G systems with phased-mission requirements based on record values. *Reliability Engineering and System Safety*, **2018**, 178, 191-197	6.3	36
157	Optimal Periodic Inspections and Activation Sequencing Policy in Standby Systems With Condition-Based Mode Transfer. *IEEE Transactions on Reliability*, **2017**, 66, 189-201	4.6	12
156	Reliability Versus Expected Mission Cost and Uncompleted Work in Heterogeneous Warm Standby Multiphase Systems. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 462-473	7.3	10
155	Preventive Replacements in Real-Time Standby Systems With Periodic Backups. *IEEE Transactions on Reliability*, **2017**, 66, 771-782	4.6	17
154	Reliability of systems subject to competing failure propagation and probabilistic failure isolation. *International Journal of Systems Science: Operations and Logistics*, **2017**, 4, 241-259	2.6	5
153	Competing failure analysis in phased-mission systems with multiple functional dependence groups. *Reliability Engineering and System Safety*, **2017**, 164, 24-33	6.3	51
152	. *IEEE Transactions on Computers*, **2017**, 66, 1449-1456	2.5	14
151	A new reliability evaluation method for networks with imperfect vertices using BDD. *Quality and Reliability Engineering International*, **2017**, 33, 1957-1967	2.6	8
150	Optimal arrangement of connecting elements in linear consecutively connected systems with heterogeneous warm standby groups. *Reliability Engineering and System Safety*, **2017**, 165, 395-401	6.3	10
149	Discrete and Continuous Consecutive 2-Out-of-n:F System Reliability with Correlated Components. *International Journal of Reliability, Quality and Safety Engineering*, **2017**, 24, 1750016	0.6	1
148	Balancing theft and corruption threats by data partition in cloud system with independent server protection. *Reliability Engineering and System Safety*, **2017**, 167, 248-254	6.3	26
147	Layered reliability modeling of smart home system **2017**,		1
146	Optimal loading of series parallel systems with arbitrary element time-to-failure and time-to-repair distributions. *Reliability Engineering and System Safety*, **2017**, 164, 34-44	6.3	15
145	. *IEEE Transactions on Reliability*, **2017**, 66, 980-988	4.6	27
144	Optimal data partitioning in cloud computing system with random server assignment. *Future Generation Computer Systems*, **2017**, 70, 17-25	7.5	32
143	Framework of Probabilistic Risk Assessment for Security and Reliability **2017**,		1

142	Reliability Modeling of Mesh Storage Area Networks for Internet of Things. *IEEE Internet of Things Journal*, **2017**, 4, 2047-2057	10.7	25
141	An efficient variable ordering heuristic for binary decision diagram–based reliability analysis of network with imperfect nodes. *Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability*, **2017**, 231, 628-642	0.8	0
140	Optimal Distribution of Nonperiodic Full and Incremental Backups. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 3310-3320	7.3	3
139	MDD-based performability analysis of multi-state linear consecutive-k-out-of-n: F systems. *Reliability Engineering and System Safety*, **2017**, 166, 124-131	6.3	24
138	Communication Reliability Analysis of Wireless Sensor Networks Using Phased-Mission Model. *Quality and Reliability Engineering International*, **2017**, 33, 823-837	2.6	27
137	**2017**,		2
136	Reliability Evaluation of Network Systems with Dependent Propagated Failures Using Decision Diagrams. *IEEE Transactions on Dependable and Secure Computing*, **2016**, 13, 672-683	3.9	28
135	Optimization of Full versus Incremental Periodic Backup Policy. *IEEE Transactions on Dependable and Secure Computing*, **2016**, 13, 644-656	3.9	28
134	Combinatorial competing failure analysis considering random propagation time **2016**,		2
133	. *IEEE Transactions on Reliability*, **2016**, 65, 394-409	4.6	25
132	Reliability analysis and optimal structure of series-parallel phased-mission systems subject to fault-level coverage. *IIE Transactions*, **2016**, 48, 736-746		66
131	. *IEEE Transactions on Reliability*, **2016**, 65, 1798-1809	4.6	8
130	. *IEEE Transactions on Reliability*, **2016**, 65, 381-393	4.6	17
129	A novel flux-fluctuation law for network with self-similar traffic. *Physica A: Statistical Mechanics and Its Applications*, **2016**, 452, 299-310	3.3	6
128	. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2016**, 46, 401-412	7.3	31
127	Standby Systems with Backups. *Springer Series in Reliability Engineering*, **2016**, 373-399	0.2	
126	Hybrid wireless sensor networks: a reliability, cost and energy-aware approach. *IET Wireless Sensor Systems*, **2016**, 6, 42-48	1.6	32
125	Optimal task partition and state-dependent loading in heterogeneous two-element work sharing system. *Reliability Engineering and System Safety*, **2016**, 156, 97-108	6.3	7

124	Optimal completed work dependent loading of components in cold standby systems. *International Journal of General Systems*, **2015**, 44, 471-484	2.1	9
123	Optimal Design of Hybrid Redundant Systems With Delayed Failure-Driven Standby Mode Transfer. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2015**, 45, 1336-1344	7.3	15
122	. *IEEE Transactions on Reliability*, **2015**, 64, 454-462	4.6	16
121	Probabilistic competing failure analysis in body sensor networks **2015**,		1
120	Combinatorial analysis of body sensor networks subject to probabilistic competing failures. *Reliability Engineering and System Safety*, **2015**, 142, 388-398	6.3	25
119	Optimal backup frequency in system with random repair time. *Reliability Engineering and System Safety*, **2015**, 144, 12-22	6.3	7
118	Optimal choice of standby modes in 1-out-of-N system with respect to mission reliability and cost. *Applied Mathematics and Computation*, **2015**, 258, 587-596	2.7	5
117	. *IEEE Transactions on Reliability*, **2015**, 64, 410-419	4.6	20
116	Probabilistic common cause failures in phased-mission systems. *Reliability Engineering and System Safety*, **2015**, 144, 53-60	6.3	45
115	Optimal loading of system with random repair time. *European Journal of Operational Research*, **2015**, 247, 137-143	5.6	10
114	. *IEEE Transactions on Computers*, **2015**, 64, 1043-1057	2.5	39
113	m/nCCS: linear consecutively connected systems subject to combined gap constraints. *International Journal of General Systems*, **2015**, 44, 833-848	2.1	9
112	Multi-Valued Decision Diagram-Based Reliability Analysis of k -out-of-n Cold Standby Systems Subject to Scheduled Backups. *IEEE Transactions on Reliability*, **2015**, 64, 1310-1324	4.6	37
111	A Study of Online Social Network Privacy Via the TAPE Framework. *IEEE Journal on Selected Topics in Signal Processing*, **2015**, 9, 1270-1284	7.5	6
110	Linear multistate consecutively-connected systems subject to a constrained number of gaps. *Reliability Engineering and System Safety*, **2015**, 133, 246-252	6.3	23
109	Discrete and continuous reliability models for systems with identically distributed correlated components. *Reliability Engineering and System Safety*, **2015**, 133, 1-10	6.3	21
108	Efficient analysis of multi-state k-out-of-n systems. *Reliability Engineering and System Safety*, **2015**, 133, 95-105	6.3	54
107	Application communication reliability of wireless sensor networks. *IET Wireless Sensor Systems*, **2015**, 5, 58-67	1.6	12

#	Reference	Metric	Count
106	. *IEEE Transactions on Reliability*, **2015**, 64, 1325-1339	4.6	15
105	Optimal Backup Distribution in 1-out-of- ${N}$ Cold Standby Systems. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2015**, 45, 636-646	7.3	18
104	Reliability analysis of cold standby system with scheduled backups **2015**,		1
103	. *IEEE Transactions on Reliability*, **2015**, 64, 819-828	4.6	20
102	. *IEEE Transactions on Reliability*, **2015**, 64, 444-453	4.6	17
101	Reliability Modeling of Cloud-RAID-6 Storage System. *International Journal of Future Computer and Communication*, **2015**, 4, 415-420	4.6	9
100	**2015**,		52
99	Reliability of demand-based phased-mission systems subject to fault level coverage. *Reliability Engineering and System Safety*, **2014**, 121, 18-25	6.3	96
98	Cold vs. hot standby mission operation cost minimization for 1-out-of-N systems. *European Journal of Operational Research*, **2014**, 234, 155-162	5.6	58
97	**2014**,		9
96	Reliability of two failure mode systems subject to correlated failures **2014**,		4
95	A phased-mission framework for communication reliability in WSN **2014**,		4
94	Energy consumption modelling and optimisation in heterogeneous cold-standby systems. *International Journal of Systems Science: Operations and Logistics*, **2014**, 1, 142-152	2.6	
93	Reliability-Oriented Single-Path Routing Protocols in Wireless Sensor Networks. *IEEE Sensors Journal*, **2014**, 14, 4059-4068	4	51
92	Reliability of warm-standby systems subject to imperfect fault coverage. *Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability*, **2014**, 228, 606-620	0.8	8
91	MDD-Based Method for Efficient Analysis on Phased-Mission Systems With Multimode Failures. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2014**, 44, 757-769	7.3	46
90	Mission Cost and Reliability of 1-out-of- N Warm Standby Systems With Imperfect Switching Mechanisms. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2014**, 44, 1262-1271	7.3	45
89	Combinatorial Reliability Analysis of Imperfect Coverage Systems Subject to Functional Dependence. *IEEE Transactions on Reliability*, **2014**, 63, 367-382	4.6	38

88	Choosing a heuristic and root node for edge ordering in BDD-based network reliability analysis. *Reliability Engineering and System Safety*, **2014**, 131, 83-93	6.3	13
87	Explicit and implicit methods for probabilistic common-cause failure analysis. *Reliability Engineering and System Safety*, **2014**, 131, 175-184	6.3	32
86	A Multiple-Valued Decision Diagram Based Method for Efficient Reliability Analysis of Non-Repairable Phased-Mission Systems. *IEEE Transactions on Reliability*, **2014**, 63, 320-330	4.6	81
85	. *IEEE Systems Journal*, **2014**, 8, 313-321	4.3	11
84	Optimal connecting elements allocation in linear consecutively-connected systems with phased mission and common cause failures. *Reliability Engineering and System Safety*, **2014**, 130, 85-94	6.3	21
83	Optimal component loading in 1-out-of-N cold standby systems. *Reliability Engineering and System Safety*, **2014**, 127, 58-64	6.3	22
82	Optimization of predetermined standby mode transfers in 1-out-of-N: G systems. *Computers and Industrial Engineering*, **2014**, 72, 106-113	6.4	18
81	Cost-effective design and evaluation of wireless sensor networks using topology-planning methods in small-world context. *IET Wireless Sensor Systems*, **2014**, 4, 43-53	1.6	5
80	Optimal elements separation in non-repairable phased-mission systems. *International Journal of General Systems*, **2014**, 43, 864-879	2.1	8
79	Integrated importance of multi-state fault tree based on multi-state multi-valued decision diagram. *Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability*, **2014**, 228, 200-208	0.8	1
78	. *IEEE Transactions on Reliability*, **2014**, 63, 251-258	4.6	25
77	New insights into breadth-first search edge ordering of regular networks for terminal-pair reliability analysis. *Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability*, **2014**, 228, 83-92	0.8	2
76	Reliability and lifetime modeling of wireless sensor nodes. *Microelectronics Reliability*, **2014**, 54, 160-166	1.2	29
75	Structure Optimization of Nonrepairable Phased Mission Systems. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2014**, 44, 121-129	7.3	17
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