Yuanshun Dai

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11647269/publications.pdf

Version: 2024-02-01

122 papers	3,824 citations	147801 31 h-index	155660 55 g-index
122 all docs	122 docs citations	122 times ranked	1930 citing authors

#	Article	IF	Citations
1	Identity-Based Remote Data Integrity Checking With Perfect Data Privacy Preserving for Cloud Storage. IEEE Transactions on Information Forensics and Security, 2017, 12, 767-778.	6.9	342
2	A New Decision-Diagram-Based Method for Efficient Analysis on Multistate Systems. IEEE Transactions on Dependable and Secure Computing, 2009, 6, 161-174.	5.4	162
3	Enabling Efficient Multi-Keyword Ranked Search Over Encrypted Mobile Cloud Data Through Blind Storage. IEEE Transactions on Emerging Topics in Computing, 2015, 3, 127-138.	4.6	157
4	Enabling Efficient and Geometric Range Query With Access Control Over Encrypted Spatial Data. IEEE Transactions on Information Forensics and Security, 2019, 14, 870-885.	6.9	156
5	Engineering searchable encryption of mobile cloud networks: when QoE meets QoP. IEEE Wireless Communications, 2015, 22, 74-80.	9.0	149
6	Personalized Search Over Encrypted Data With Efficient and Secure Updates in Mobile Clouds. IEEE Transactions on Emerging Topics in Computing, 2018, 6, 97-109.	4.6	110
7	Mission Abort Policy in Heterogeneous Nonrepairable 1-Out-of-N Warm Standby Systems. IEEE Transactions on Reliability, 2018, 67, 342-354.	4.6	78
8	Decision Diagram Based Methods and Complexity Analysis for Multi-State Systems. IEEE Transactions on Reliability, 2010, 59, 145-161.	4.6	77
9	Optimal sequencing of warm standby elements. Computers and Industrial Engineering, 2013, 65, 570-576.	6.3	74
10	Feature selection based on feature interactions with application to text categorization. Expert Systems With Applications, 2019, 120, 207-216.	7.6	69
11	Cold vs. hot standby mission operation cost minimization for 1-out-of-N systems. European Journal of Operational Research, 2014, 234, 155-162.	5.7	67
12	Achieving efficient and privacy-preserving truth discovery in crowd sensing systems. Computers and Security, 2017, 69, 114-126.	6.0	63
13	Reliability Analysis of Multistate Phased-Mission Systems With Unordered and Ordered States. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2011, 41, 625-636.	2.9	61
14	Reliability of Series-Parallel Systems With Random Failure Propagation Time. IEEE Transactions on Reliability, 2013, 62, 637-647.	4.6	58
15	Cold-standby sequencing optimization considering mission cost. Reliability Engineering and System Safety, 2013, 118, 28-34.	8.9	58
16	Reliability of non-repairable phased-mission systems with propagated failures. Reliability Engineering and System Safety, 2013, 119, 218-228.	8.9	56
17	Co-optimization of state dependent loading and mission abort policy in heterogeneous warm standby systems. Reliability Engineering and System Safety, 2018, 172, 151-158.	8.9	56
18	Optimizing survivability of multi-state systems with multi-level protection by multi-processor genetic algorithm. Reliability Engineering and System Safety, 2003, 82, 93-104.	8.9	55

#	Article	IF	Citations
19	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.	9.3	55
20	Exact combinatorial reliability analysis of dynamic systems with sequence-dependent failures. Reliability Engineering and System Safety, 2011, 96, 1375-1385.	8.9	53
21	Mission Reliability, Cost and Time for Cold Standby Computing Systems with Periodic Backup. IEEE Transactions on Computers, 2015, 64, 1043-1057.	3.4	52
22	Reliability of Nonrepairable Phased-Mission Systems With Common Cause Failures. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2013, 43, 967-978.	9.3	50
23	A Hierarchical Correlation Model for Evaluating Reliability, Performance, and Power Consumption of a Cloud Service. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 401-412.	9.3	50
24	Mission Abort Policy for Systems with Observable States of Standby Components. Risk Analysis, 2020, 40, 1900-1912.	2.7	39
25	Sequencing Optimization ink-out-of-nCold-Standby Systems Considering Mission Cost. International Journal of General Systems, 2013, 42, 870-882.	2.5	38
26	Optimal data partitioning in cloud computing system with random server assignment. Future Generation Computer Systems, 2017, 70, 17-25.	7.5	38
27	Reliability of Systems Subject to Failures With Dependent Propagation Effect. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2013, 43, 277-290.	9.3	37
28	Co-residence based data vulnerability vs. security in cloud computing system with random server assignment. European Journal of Operational Research, 2018, 267, 676-686.	5.7	36
29	Mission abort policy optimization for series systems with overlapping primary and rescue subsystems operating in a random environment. Reliability Engineering and System Safety, 2020, 193, 106590.	8.9	36
30	Heterogeneous Non-Repairable Warm Standby Systems With Periodic Inspections. IEEE Transactions on Reliability, 2016, 65, 394-409.	4.6	33
31	Redundancy optimization for series-parallel phased mission systems exposed to random shocks. Reliability Engineering and System Safety, 2017, 167, 554-560.	8.9	33
32	Optimization of Full versus Incremental Periodic Backup Policy. IEEE Transactions on Dependable and Secure Computing, 2016, 13, 644-656.	5.4	32
33	Optimization of Component Allocation/Distribution and Sequencing in Warm Standby Series-Parallel Systems. IEEE Transactions on Reliability, 2017, 66, 980-988.	4.6	32
34	Multi-state systems with selective propagated failures and imperfect individual and group protections. Reliability Engineering and System Safety, 2011, 96, 1657-1666.	8.9	31
35	Minimum Mission Cost Cold-Standby Sequencing in Non-Repairable Multi-Phase Systems. IEEE Transactions on Reliability, 2014, 63, 251-258.	4.6	31
36	Optimal component loading in 1-out-of-N cold standby systems. Reliability Engineering and System Safety, 2014, 127, 58-64.	8.9	31

#	Article	IF	Citations
37	Optimal defense with variable number of overarching and individual protections. Reliability Engineering and System Safety, 2014, 123, 81-90.	8.9	29
38	Verifiable Outsourcing Computation for Matrix Multiplication With Improved Efficiency and Applicability. IEEE Internet of Things Journal, 2018, 5, 5076-5088.	8.7	29
39	State-based mission abort policies for multistate systems. Reliability Engineering and System Safety, 2020, 204, 107122.	8.9	28
40	Reliability of multi-state systems with free access to repairable standby elements. Reliability Engineering and System Safety, 2017, 167, 192-197.	8.9	27
41	Mission abort policy balancing the uncompleted mission penalty and system loss risk. Reliability Engineering and System Safety, 2018, 176, 194-201.	8.9	27
42	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.	9.3	26
43	Effect of Failure Propagation on Cold vs. Hot Standby Tradeoff in Heterogeneous 1-Out-of-<formula formulatype="inline"><tex Notation="TeX">N</tex></formula>:G Systems. IEEE Transactions on Reliability, 2015, 64, 410-419.	4.6	25
44	Linear multistate consecutively-connected systems subject to a constrained number of gaps. Reliability Engineering and System Safety, 2015, 133, 246-252.	8.9	25
45	Optimal mission aborting in multistate systems with storage. Reliability Engineering and System Safety, 2022, 218, 108086.	8.9	25
46	Optimization of predetermined standby mode transfers in 1-out-of-N: G systems. Computers and Industrial Engineering, 2014, 72, 106-113.	6.3	24
47	Reliability and Mission Cost of 1-Out-of-<formula formulatype="inline"><tex Notation="TeX">N</tex></formula>:G Systems With State-Dependent Standby Mode Transfers. IEEE Transactions on Reliability, 2015, 64, 454-462.	4.6	24
48	Optimal Scheduling and Management on Correlating Reliability, Performance, and Energy Consumption for Multiagent Cloud Systems. IEEE Transactions on Reliability, 2017, 66, 547-558.	4.6	23
49	Optimizing Dynamic Performance of Multistate Systems With Heterogeneous 1-Out-of-<inline-formula> <tex-math notation="LaTeX">${N}$ </tex-math> </inline-formula> Warm Standby Components. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 920-929.	9.3	23
50	Heterogeneous standby systems with shocks-driven preventive replacements. European Journal of Operational Research, 2018, 266, 1189-1197.	5.7	23
51	Heterogeneous 1-out-of-N warm standby systems with online checkpointing. Reliability Engineering and System Safety, 2018, 169, 127-136.	8.9	23
52	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.	8.9	23
53	k-out-of-n sliding window systems. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2012, 42, 707-714.	2.9	22
54	Non-Homogeneous 1-Out-of-<formula formulatype="inline"><tex Notation="TeX">${N}$</tex></formula> Warm Standby Systems With Random Replacement Times. IEEE Transactions on Reliability, 2015, 64, 819-828.	4.6	22

#	Article	IF	Citations
55	Reliability of Non-Coherent Warm Standby Systems With Reworking. IEEE Transactions on Reliability, 2015, 64, 444-453.	4.6	22
56	Dynamic Checkpointing Policy in Heterogeneous Real-Time Standby Systems. IEEE Transactions on Computers, 2017, 66, 1449-1456.	3.4	22
57	Optimizing availability of heterogeneous standby systems exposed to shocks. Reliability Engineering and System Safety, 2018, 170, 137-145.	8.9	22
58	Structure Optimization of Nonrepairable Phased Mission Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2014, 44, 121-129.	9.3	21
59	Optimal Backup Distribution in 1-out-of-<inline-formula> <tex-math notation="LaTeX">${N}$ </tex-math></inline-formula> Cold Standby Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2015, 45, 636-646.	9.3	21
60	Privacy-Enhanced and Multifunctional Health Data Aggregation under Differential Privacy Guarantees. Sensors, 2016, 16, 1463.	3.8	21
61	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.	8.9	21
62	Optimal sequencing of elements activation in 1-out-of-n warm standby system with storage. Reliability Engineering and System Safety, 2022, 221, 108380.	8.9	21
63	Consequence Oriented Self-Healing and Autonomous Diagnosis for Highly Reliable Systems and Software. IEEE Transactions on Reliability, 2011, 60, 369-380.	4.6	20
64	Heterogeneous Warm Standby Multi-Phase Systems With Variable Mission Time. IEEE Transactions on Reliability, 2016, 65, 381-393.	4.6	20
65	Mission aborting and system rescue for multi-state systems with arbitrary structure. Reliability Engineering and System Safety, 2022, 219, 108225.	8.9	20
66	MBDD versus MMDD for Multistate Systems Analysis. , 2007, , .		19
67	Optimal Allocation of Connecting Elements in Phase Mission Linear Consecutively-Connected Systems. IEEE Transactions on Reliability, 2013, 62, 618-627.	4.6	19
68	Heterogeneous 1-Out-of-N Warm Standby Systems With Dynamic Uneven Backups. IEEE Transactions on Reliability, 2015, 64, 1325-1339.	4.6	19
69	Optimal structure of series system with 1-out-of-n warm standby subsystems performing operation and rescue functions. Reliability Engineering and System Safety, 2019, 188, 523-531.	8.9	19
70	Mission Aborting in<i>n</i>-Unit Systems With Work Sharing. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 4875-4886.	9.3	19
71	Efficient Secure Outsourcing Computation of Matrix Multiplication in Cloud Computing. , 2016, , .		17
72	Preventive Replacements in Real-Time Standby Systems With Periodic Backups. IEEE Transactions on Reliability, 2017, 66, 771-782.	4.6	17

#	Article	IF	Citations
73	Improving Failure Tolerance in Large-Scale Cloud Computing Systems. IEEE Transactions on Reliability, 2019, 68, 620-632.	4.6	17
74	Mission abort and rescue for multistate systems operating under the Poisson process of shocks. Reliability Engineering and System Safety, 2020, 202, 107027.	8.9	17
75	Optimal operation and maintenance scheduling in m-out-of-n standby systems with reusable elements. Reliability Engineering and System Safety, 2021, 211, 107582.	8.9	17
76	Optimal loading of system with random repair time. European Journal of Operational Research, 2015, 247, 137-143.	5.7	16
77	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	16
78	Optimization of cyclic preventive replacement in homogeneous warm-standby system with reusable elements exposed to shocks. Reliability Engineering and System Safety, 2021, 207, 107351.	8.9	16
79	Linear Multistate Consecutively-Connected Systems With Gap Constraints. IEEE Transactions on Reliability, 2012, 61, 208-214.	4.6	14
80	Optimal completed work dependent loading of components in cold standby systems. International Journal of General Systems, 2015, 44, 471-484.	2.5	14
81	Optimizing Computational Mission Operation by Periodic Backups and Preventive Replacements. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1505-1520.	9.3	14
82	Interaction-based feature selection using Factorial Design. Neurocomputing, 2018, 281, 47-54.	5.9	14
83	Optimal preventive replacement policy for homogeneous cold standby systems with reusable elements. Reliability Engineering and System Safety, 2020, 204, 107135.	8.9	14
84	Optimal loading of repairable system with perfect product storage. Reliability Engineering and System Safety, 2022, 220, 108293.	8.9	14
85	Optimal Allocation of Multistate Components in Consecutive Sliding Window Systems. IEEE Transactions on Reliability, 2013, 62, 267-275.	4.6	13
86	Optimal arrangement of connecting elements in linear consecutively connected systems with heterogeneous warm standby groups. Reliability Engineering and System Safety, 2017, 165, 395-401.	8.9	13
87	Optimal shock-driven switching strategies with elements reuse in heterogeneous warm-standby systems. Reliability Engineering and System Safety, 2021, 210, 107517.	8.9	13
88	Individual vs. overarching protection for minimizing the expected damage caused by an attack. Reliability Engineering and System Safety, 2013, 119, 117-125.	8.9	12
89	Performance Analysis of Media Cloud-Based Multimedia Systems With Retrying Fault-Tolerance Technique. IEEE Systems Journal, 2014, 8, 313-321.	4.6	12
90	Efficient e-health data release with consistency guarantee under differential privacy. , 2015, , .		12

#	Article	IF	Citations
91	m/nCCS: linear consecutively connected systems subject to combined gap constraints. International Journal of General Systems, 2015, 44, 833-848.	2.5	11
92	Cold Standby Systems With Imperfect Backup. IEEE Transactions on Reliability, 2016, 65, 1798-1809.	4.6	11
93	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.	9.3	11
94	Optimal task partition and state-dependent loading in heterogeneous two-element work sharing system. Reliability Engineering and System Safety, 2016, 156, 97-108.	8.9	10
95	CryptMDB: A practical encrypted MongoDB over big data. , 2017, , .		10
96	Optimal non-periodic replacement and reactivation in standby systems with protection and maintenance options. Computers and Industrial Engineering, 2021, 155, 107178.	6.3	10
97	Unrepairable system with single production unit and n failure-prone identical parallel storage units. Reliability Engineering and System Safety, 2022, 222, 108437.	8.9	9
98	Co-residence based data theft game in cloud system with virtual machine replication and cancellation. Reliability Engineering and System Safety, 2022, 222, 108415.	8.9	9
99	Unrepairable system with consecutively used imperfect storage units. Reliability Engineering and System Safety, 2022, 225, 108574.	8.9	9
100	Optimal elements separation in non-repairable phased-mission systems. International Journal of General Systems, 2014, 43, 864-879.	2.5	8
101	Enabling efficient publicly verifiable outsourcing computation for matrix multiplication. , 2015, , .		8
102	Optimal task replication considering reliability, performance, and energy consumption for parallel computing in cloud systems. Reliability Engineering and System Safety, 2021, 215, 107834.	8.9	8
103	Probabilities of mission success and system survival in multi-state systems with arbitrary structure. Computers and Industrial Engineering, 2021, 161, 107597.	6.3	8
104	Processing time analysis of cloud services with retrying fault-tolerance technique. , 2012, , .		7
105	Optimal backup frequency in system with random repair time. Reliability Engineering and System Safety, 2015, 144, 12-22.	8.9	7
106	Towards Efficient Privacy-Preserving Truth Discovery in Crowd Sensing Systems. , 2016, , .		7
107	Minimizing mission cost for production system with unreliable storage. Reliability Engineering and System Safety, 2022, 227, 108724.	8.9	7
108	Diverse multi-keyword ranked search over encrypted cloud data supporting range query. , 2015, , .		6

#	Article	IF	Citations
109	Service-Oriented Reliability Modeling and Autonomous Optimization of Reliability for Public Cloud Computing Systems. IEEE Transactions on Reliability, 2022, 71, 527-538.	4.6	6
110	Optimizing the maximum filling level of perfect storage in system with imperfect production unit. Reliability Engineering and System Safety, 2022, 225, 108629.	8.9	6
111	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.	2.2	5
112	Mixed failure-driven and shock-driven mission aborts in heterogeneous systems with arbitrary structure. Reliability Engineering and System Safety, 2021, 212, 107581.	8.9	5
113	Optimal Distribution of Nonperiodic Full and Incremental Backups. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 3310-3320.	9.3	4
114	Connectivity evaluation and optimal service centers allocation in repairable linear consecutively connected systems. Reliability Engineering and System Safety, 2018, 176, 187-193.	8.9	4
115	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.	8.9	4
116	Heterogeneous 1-out-of-n standby systems with limited unit operation time. Reliability Engineering and System Safety, 2022, 224, 108532.	8.9	4
117	An enhanced engineering perspective of global climate systems and statistical formulation of terrestrial CO2 exchanges. Theoretical and Applied Climatology, 2012, 107, 347-359.	2.8	3
118	Optimal work distribution and backup frequency for two non-identical work sharing elements. Reliability Engineering and System Safety, 2018, 170, 127-136.	8.9	3
119	PHM Technology for Memory Anomalies in Cloud Computing for IaaS. , 2020, , .		2
120	EPP-DMM: An Efficient and Privacy-Protected Delegation Scheme for Matrix Multiplication. , 2017, , .		1
121	Reliability Modeling and Optimization for Large-Scale Network Systems. , 2019, , .		0
122	MBDD versus MMDD for Multistate Systems Analysis. , 2007, , .		0